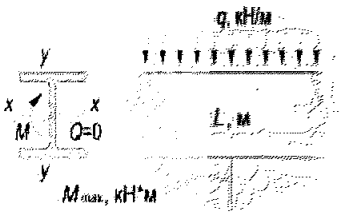
**ТАБЛИЦА 6.4.1** – Предельная равномерно распределённая нагрузка ( $q$ ) на балку по предельному изгибающему моменту ( $M_{max}$ ) в середине пролета при расчётах на прочность шарнирно опёртых балок 1-го класса (без учета развития пластических деформаций), при изгибе в плоскости с наибольшей жёсткостью *y-y*




| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| | **Тип Б - Балочные нормальные двутавры** | | | | | | | | | | | | | | | | | |
| **10Б1** | 30.40 | 17.10 | 10.94 | 7.60 | 5.58 | 4.28 | 3.38 | 2.74 | 2.26 | 1.90 | 1.40 | 1.07 | 0.84 | 0.68 | 0.57 | 0.48 | 0.40 | 0.35 |
| **12Б1** | 38.93 | 21.90 | 14.02 | 9.73 | 7.15 | 5.48 | 4.33 | 3.50 | 2.90 | 2.43 | 1.79 | 1.37 | 1.08 | 0.88 | 0.72 | 0.61 | 0.52 | 0.45 |
| **12Б2** | 47.11 | 26.50 | 16.96 | 11.78 | 8.65 | 6.63 | 5.23 | 4.24 | 3.50 | 2.94 | 2.16 | 1.66 | 1.31 | 1.06 | 0.88 | 0.74 | 0.63 | 0.54 |
| **14Б1** | 56.27 | 31.65 | 20.26 | 14.07 | 10.33 | 7.91 | 6.25 | 5.06 | 4.19 | 3.52 | 2.58 | 1.98 | 1.56 | 1.27 | 1.05 | 0.88 | 0.75 | 0.65 |
| **14Б2** | 68.71 | 38.65 | 24.74 | 17.18 | 12.62 | 9.66 | 7.63 | 6.18 | 5.11 | 4.29 | 3.16 | 2.42 | 1.91 | 1.55 | 1.28 | 1.07 | 0.91 | 0.79 |
| **16Б1** | 78.04 | 43.90 | 28.10 | 19.51 | 14.33 | 10.98 | 8.67 | 7.02 | 5.80 | 4.88 | 3.58 | 2.74 | 2.17 | 1.76 | 1.45 | 1.22 | 1.04 | 0.90 |
| **16Б2** | 96.62 | 54.35 | 34.78 | 24.16 | 17.75 | 13.59 | 10.74 | 8.70 | 7.19 | 6.04 | 4.44 | 3.40 | 2.68 | 2.17 | 1.80 | 1.51 | 1.29 | 1.11 |
| **18Б1** | 106.76 | 60.05 | 38.43 | 26.69 | 19.61 | 15.01 | 11.86 | 9.61 | 7.94 | 6.67 | 4.90 | 3.75 | 2.97 | 2.40 | 1.99 | 1.67 | 1.42 | 1.23 |
| **18Б2** | 130.04 | 73.15 | 46.82 | 32.51 | 23.89 | 18.29 | 14.45 | 11.70 | 9.67 | 8.13 | 5.97 | 4.57 | 3.61 | 2.93 | 2.42 | 2.03 | 1.73 | 1.49 |
| **20Б0** | 142.22 | 80.00 | 51.20 | 35.56 | 26.12 | 20.00 | 15.80 | 12.80 | 10.58 | 8.89 | 6.53 | 5.00 | 3.95 | 3.20 | 2.64 | 2.22 | 1.89 | 1.63 |
| **20Б1** | 163.56 | 92.00 | 58.88 | 40.89 | 30.04 | 23.00 | 18.17 | 14.72 | 12.17 | 10.22 | 7.51 | 5.75 | 4.54 | 3.68 | 3.04 | 2.56 | 2.18 | 1.88 |
| **20Б2** | 194.67 | 109.50 | 70.08 | 48.67 | 35.76 | 27.38 | 21.63 | 17.52 | 14.48 | 12.17 | 8.94 | 6.84 | 5.41 | 4.38 | 3.62 | 3.04 | 2.59 | 2.23 |
| **20Б3** | 233.81 | 131.52 | 84.17 | 58.45 | 42.95 | 32.88 | 25.98 | 21.04 | 17.39 | 14.61 | 10.74 | 8.22 | 6.49 | 5.26 | 4.35 | 3.65 | 3.11 | 2.68 |
| **25Б1** | 253.33 | 142.50 | 91.20 | 63.33 | 46.53 | 35.63 | 28.15 | 22.80 | 18.84 | 15.83 | 11.63 | 8.91 | 7.04 | 5.70 | 4.71 | 3.96 | 3.37 | 2.91 |
| **25Б2** | 288.00 | 162.00 | 103.68 | 72.00 | 52.90 | 40.50 | 32.00 | 25.92 | 21.42 | 18.00 | 13.22 | 10.13 | 8.00 | 6.48 | 5.36 | 4.50 | 3.83 | 3.31 |
| **25Б3** | 350.72 | 197.28 | 126.26 | 87.68 | 64.42 | 49.32 | 38.97 | 31.56 | 26.09 | 21.92 | 16.10 | 12.33 | 9.74 | 7.89 | 6.52 | 5.48 | 4.67 | 4.03 |
| **25Б4** | 425.81 | 239.52 | 153.29 | 106.45 | 78.21 | 59.88 | 47.31 | 38.32 | 31.67 | 26.61 | 19.55 | 14.97 | 11.83 | 9.58 | 7.92 | 6.65 | 5.67 | 4.89 |
| **30Б1** | 376.89 | 212.00 | 135.68 | 94.22 | 69.22 | 53.00 | 41.88 | 33.92 | 28.03 | 23.56 | 17.31 | 13.25 | 10.47 | 8.48 | 7.01 | 5.89 | 5.02 | 4.33 |
| **30Б2** | 427.56 | 240.50 | 153.92 | 106.89 | 78.53 | 60.13 | 47.51 | 38.48 | 31.80 | 26.72 | 19.63 | 15.03 | 11.88 | 9.62 | 7.95 | 6.68 | 5.69 | 4.91 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **30Б3** | 517.97 | 291.36 | 186.47 | 129.49 | 95.14 | 72.84 | 57.55 | 46.62 | 38.53 | 32.37 | 23.78 | 18.21 | 14.39 | 11.65 | 9.63 | 8.09 | 6.90 | 5.95 |
| **30Б4** | 626.35 | 352.32 | 225.48 | 156.59 | 115.04 | 88.08 | 69.59 | 56.37 | 46.59 | 39.15 | 28.76 | 22.02 | 17.40 | 14.09 | 11.65 | 9.79 | 8.34 | 7.19 |
| **35Б1** | 569.78 | 320.50 | 205.12 | 142.44 | 104.65 | 80.13 | 63.31 | 51.28 | 42.38 | 35.61 | 26.16 | 20.03 | 15.83 | 12.82 | 10.60 | 8.90 | 7.59 | 6.54 |
| **35Б2** | 661.33 | 372.00 | 238.08 | 165.33 | 121.47 | 93.00 | 73.48 | 59.52 | 49.19 | 41.33 | 30.37 | 23.25 | 18.37 | 14.88 | 12.30 | 10.33 | 8.80 | 7.59 |
| **35Б3** | 807.25 | 454.08 | 290.61 | 201.81 | 148.27 | 113.52 | 89.69 | 72.65 | 60.04 | 50.45 | 37.07 | 28.38 | 22.42 | 18.16 | 15.01 | 12.61 | 10.75 | 9.27 |
| **35Б4** | 979.63 | 551.04 | 352.67 | 244.91 | 179.93 | 137.76 | 108.85 | 88.17 | 72.86 | 61.23 | 44.98 | 34.44 | 27.21 | 22.04 | 18.22 | 15.31 | 13.04 | 11.25 |
| **40Б1** | 862.72 | 485.28 | 310.58 | 215.68 | 158.46 | 121.32 | 95.86 | 77.64 | 64.17 | 53.92 | 39.61 | 30.33 | 23.96 | 19.41 | 16.04 | 13.48 | 11.49 | 9.90 |
| **40Б2** | 1011.20 | 568.80 | 364.03 | 252.80 | 185.73 | 142.20 | 112.36 | 91.01 | 75.21 | 63.20 | 46.43 | 35.55 | 28.09 | 22.75 | 18.80 | 15.80 | 13.46 | 11.61 |
| **40Б3** | 1233.92 | 694.08 | 444.21 | 308.48 | 226.64 | 173.52 | 137.10 | 111.05 | 91.78 | 77.12 | 56.66 | 43.38 | 34.28 | 27.76 | 22.94 | 19.28 | 16.43 | 14.16 |
| **40Б4** | 1458.35 | 820.32 | 525.00 | 364.59 | 267.86 | 205.08 | 162.04 | 131.25 | 108.47 | 91.15 | 66.96 | 51.27 | 40.51 | 32.81 | 27.12 | 22.79 | 19.42 | 16.74 |
| **45Б1** | 1098.24 | 617.76 | 395.37 | 274.56 | 201.72 | 154.44 | 122.03 | 98.84 | 81.69 | 68.64 | 50.43 | 38.61 | 30.51 | 24.71 | 20.42 | 17.16 | 14.62 | 12.61 |
| **45Б2** | 1268.91 | 713.76 | 456.81 | 317.23 | 233.06 | 178.44 | 140.99 | 114.20 | 94.38 | 79.31 | 58.27 | 44.61 | 35.25 | 28.55 | 23.60 | 19.83 | 16.89 | 14.57 |
| **45Б3** | 1524.05 | 857.28 | 548.66 | 381.01 | 279.93 | 214.32 | 169.34 | 137.16 | 113.36 | 95.25 | 69.98 | 53.58 | 42.33 | 34.29 | 28.34 | 23.81 | 20.29 | 17.50 |
| **45Б4** | 1780.91 | 1001.76 | 641.13 | 445.23 | 327.11 | 250.44 | 197.88 | 160.28 | 132.46 | 111.31 | 81.78 | 62.61 | 49.47 | 40.07 | 33.12 | 27.83 | 23.71 | 20.44 |
| **50Б1** | 1278.29 | 719.04 | 460.19 | 319.57 | 234.79 | 179.76 | 142.03 | 115.05 | 95.08 | 79.89 | 58.70 | 44.94 | 35.51 | 28.76 | 23.77 | 19.97 | 17.02 | 14.67 |
| **50Б2** | 1440.43 | 810.24 | 518.55 | 360.11 | 264.57 | 202.56 | 160.05 | 129.64 | 107.14 | 90.03 | 66.14 | 50.64 | 40.01 | 32.41 | 26.78 | 22.51 | 19.18 | 16.54 |
| **50Б3** | 1633.28 | 918.72 | 587.98 | 408.32 | 299.99 | 229.68 | 181.48 | 147.00 | 121.48 | 102.08 | 75.00 | 57.42 | 45.37 | 36.75 | 30.37 | 25.52 | 21.74 | 18.75 |
| **50Б4** | 2013.87 | 1132.80 | 724.99 | 503.47 | 369.89 | 283.20 | 223.76 | 181.25 | 149.79 | 125.87 | 92.47 | 70.80 | 55.94 | 45.31 | 37.45 | 31.47 | 26.81 | 23.12 |
| **50Б5** | 2324.94 | 1307.78 | 836.98 | 581.24 | 427.03 | 326.95 | 258.33 | 209.24 | 172.93 | 145.31 | 106.76 | 81.74 | 64.58 | 52.31 | 43.23 | 36.33 | 30.95 | 26.69 |
| **55Б1** | 1750.19 | 984.48 | 630.07 | 437.55 | 321.46 | 246.12 | 194.47 | 157.52 | 130.18 | 109.39 | 80.37 | 61.53 | 48.62 | 39.38 | 32.54 | 27.35 | 23.30 | 20.09 |
| **55Б2** | 1959.25 | 1102.08 | 705.33 | 489.81 | 359.86 | 275.52 | 217.69 | 176.33 | 145.73 | 122.45 | 89.97 | 68.88 | 54.42 | 44.08 | 36.43 | 30.61 | 26.08 | 22.49 |
| **55Б3** | 2324.48 | 1307.52 | 836.81 | 581.12 | 426.95 | 326.88 | 258.28 | 209.20 | 172.90 | 145.28 | 106.74 | 81.72 | 64.57 | 52.30 | 43.22 | 36.32 | 30.95 | 26.68 |
| **55Б4** | 2625.88 | 1477.06 | 945.32 | 656.47 | 482.31 | 369.27 | 291.76 | 236.33 | 195.31 | 164.12 | 120.58 | 92.32 | 72.94 | 59.08 | 48.83 | 41.03 | 34.96 | 30.14 |
| **60Б1** | 1967.79 | 1106.88 | 708.40 | 491.95 | 361.43 | 276.72 | 218.64 | 177.10 | 146.36 | 122.99 | 90.36 | 69.18 | 54.66 | 44.28 | 36.59 | 30.75 | 26.20 | 22.59 |
| **60Б2** | 2208.43 | 1242.24 | 795.03 | 552.11 | 405.63 | 310.56 | 245.38 | 198.76 | 164.26 | 138.03 | 101.41 | 77.64 | 61.35 | 49.69 | 41.07 | 34.51 | 29.40 | 25.35 |
| **60Б3** | 2472.11 | 1390.56 | 889.96 | 618.03 | 454.06 | 347.64 | 274.68 | 222.49 | 183.88 | 154.51 | 113.52 | 86.91 | 68.67 | 55.62 | 45.97 | 38.63 | 32.91 | 28.38 |
| **60Б4** | 2846.68 | 1601.26 | 1024.81 | 711.67 | 522.86 | 400.32 | 316.30 | 256.20 | 211.74 | 177.92 | 130.72 | 100.08 | 79.07 | 64.05 | 52.93 | 44.48 | 37.90 | 32.68 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

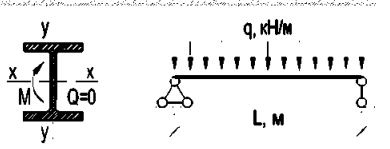





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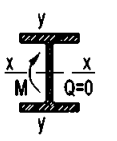
Таблица 6.4.1

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **70Б1** | 3110.40 | 1749.60 | 1119.74 | 777.60 | 571.30 | 437.40 | 345.60 | 279.94 | 231.35 | 194.40 | 142.82 | 109.35 | 86.40 | 69.98 | 57.84 | 48.60 | 41.41 | 35.71 |
| **70Б2** | 3601.92 | 2026.08 | 1296.69 | 900.48 | 661.58 | 506.52 | 400.21 | 324.17 | 267.91 | 225.12 | 165.39 | 126.63 | 100.05 | 81.04 | 66.98 | 56.28 | 47.95 | 41.35 |
| **70Б3** | 3893.44 | 2190.06 | 1401.64 | 973.36 | 715.12 | 547.52 | 432.60 | 350.41 | 289.59 | 243.34 | 178.78 | 136.88 | 108.15 | 87.60 | 72.40 | 60.84 | 51.84 | 44.70 |
| **70Б4** | 4600.00 | 2587.50 | 1656.00 | 1150.00 | 844.90 | 646.88 | 511.11 | 414.00 | 342.15 | 287.50 | 211.22 | 161.72 | 127.78 | 103.50 | 85.54 | 71.88 | 61.24 | 52.81 |
| | **Тип Ш - Балочные широкополочные двутавры** | | | | | | | | | | | | | | | | | |
| **20Ш0** | 194.58 | 109.45 | 70.05 | 48.64 | 35.74 | 27.36 | 21.62 | 17.51 | 14.47 | 12.16 | 8.93 | 6.84 | 5.40 | 4.38 | 3.62 | 3.04 | 2.59 | 2.23 |
| **20Ш1** | 246.49 | 138.65 | 88.74 | 61.62 | 45.27 | 34.66 | 27.39 | 22.18 | 18.33 | 15.41 | 11.32 | 8.67 | 6.85 | 5.55 | 4.58 | 3.85 | 3.28 | 2.83 |
| **20Ш2** | 300.37 | 168.96 | 108.13 | 75.09 | 55.17 | 42.24 | 33.37 | 27.03 | 22.34 | 18.77 | 13.79 | 10.56 | 8.34 | 6.76 | 5.59 | 4.69 | 4.00 | 3.45 |
| **20Ш3** | 364.97 | 205.30 | 131.39 | 91.24 | 67.04 | 51.32 | 40.55 | 32.85 | 27.15 | 22.81 | 16.76 | 12.83 | 10.14 | 8.21 | 6.79 | 5.70 | 4.86 | 4.19 |
| **20Ш4** | 460.80 | 259.20 | 165.89 | 115.20 | 84.64 | 64.80 | 51.20 | 41.47 | 34.27 | 28.80 | 21.16 | 16.20 | 12.80 | 10.37 | 8.57 | 7.20 | 6.13 | 5.29 |
| **20Ш5** | 534.01 | 300.38 | 192.24 | 133.50 | 98.08 | 75.10 | 59.33 | 48.06 | 39.72 | 33.38 | 24.52 | 18.77 | 14.83 | 12.02 | 9.93 | 8.34 | 7.11 | 6.13 |
| **20Ш6** | 668.04 | 375.77 | 240.50 | 167.01 | 122.70 | 93.94 | 74.23 | 60.12 | 49.69 | 41.75 | 30.68 | 23.49 | 18.56 | 15.03 | 12.42 | 10.44 | 8.89 | 7.67 |
| **25Ш0** | 368.98 | 207.55 | 132.83 | 92.24 | 67.77 | 51.89 | 41.00 | 33.21 | 27.44 | 23.06 | 16.94 | 12.97 | 10.25 | 8.30 | 6.86 | 5.77 | 4.91 | 4.24 |
| **25Ш1** | 428.20 | 240.86 | 154.15 | 107.05 | 78.65 | 60.22 | 47.58 | 38.54 | 31.85 | 26.76 | 19.66 | 15.05 | 11.89 | 9.63 | 7.96 | 6.69 | 5.70 | 4.92 |
| **25Ш2** | 522.58 | 293.95 | 188.13 | 130.65 | 95.98 | 73.49 | 58.06 | 47.03 | 38.87 | 32.66 | 24.00 | 18.37 | 14.52 | 11.76 | 9.72 | 8.17 | 6.96 | 6.00 |
| **25Ш3** | 654.68 | 368.26 | 235.68 | 163.67 | 120.25 | 92.06 | 72.74 | 58.92 | 48.70 | 40.92 | 30.06 | 23.02 | 18.19 | 14.73 | 12.17 | 10.23 | 8.72 | 7.52 |
| **25Ш4** | 789.97 | 444.36 | 284.39 | 197.49 | 145.10 | 111.09 | 87.77 | 71.10 | 58.76 | 49.37 | 36.27 | 27.77 | 21.94 | 17.77 | 14.69 | 12.34 | 10.52 | 9.07 |
| **25Ш5** | 983.62 | 553.29 | 354.10 | 245.91 | 180.67 | 138.32 | 109.29 | 88.53 | 73.16 | 61.48 | 45.17 | 34.58 | 27.32 | 22.13 | 18.29 | 15.37 | 13.10 | 11.29 |
| **25Ш6** | 1217.43 | 684.80 | 438.27 | 304.36 | 223.61 | 171.20 | 135.27 | 109.57 | 90.55 | 76.09 | 55.90 | 42.80 | 33.82 | 27.39 | 22.64 | 19.02 | 16.21 | 13.98 |
| **30Ш0** | 578.13 | 325.20 | 208.13 | 144.53 | 106.19 | 81.30 | 64.24 | 52.03 | 43.00 | 36.13 | 26.55 | 20.33 | 16.06 | 13.01 | 10.75 | 9.03 | 7.70 | 6.64 |
| **30Ш1** | 658.26 | 370.27 | 236.97 | 164.57 | 120.91 | 92.57 | 73.14 | 59.24 | 48.96 | 41.14 | 30.23 | 23.14 | 18.29 | 14.81 | 12.24 | 10.29 | 8.76 | 7.56 |
| **30Ш2** | 808.45 | 454.75 | 291.04 | 202.11 | 148.49 | 113.69 | 89.83 | 72.76 | 60.13 | 50.53 | 37.12 | 28.42 | 22.46 | 18.19 | 15.03 | 12.63 | 10.76 | 9.28 |
| **30Ш3** | 973.57 | 547.63 | 350.48 | 243.39 | 178.82 | 136.91 | 108.17 | 87.62 | 72.41 | 60.85 | 44.70 | 34.23 | 27.04 | 21.91 | 18.10 | 15.21 | 12.96 | 11.18 |
| **30Ш4** | 1144.23 | 643.63 | 411.92 | 286.06 | 210.17 | 160.91 | 127.14 | 102.98 | 85.11 | 71.51 | 52.54 | 40.23 | 31.78 | 25.75 | 21.28 | 17.88 | 15.23 | 13.14 |
| **30Ш5** | 1456.87 | 819.49 | 524.47 | 364.22 | 267.59 | 204.87 | 161.87 | 131.12 | 108.36 | 91.05 | 66.90 | 51.22 | 40.47 | 32.78 | 27.09 | 22.76 | 19.40 | 16.72 |
| **30Ш6** | 1880.23 | 1057.63 | 676.88 | 470.06 | 345.35 | 264.41 | 208.91 | 169.22 | 139.85 | 117.51 | 86.34 | 66.10 | 52.23 | 42.31 | 34.96 | 29.38 | 25.03 | 21.58 |
| **35Ш1** | 874.15 | 491.71 | 314.70 | 218.54 | 160.56 | 122.93 | 97.13 | 78.67 | 65.02 | 54.63 | 40.14 | 30.73 | 24.28 | 19.67 | 16.25 | 13.66 | 11.64 | 10.03 |
| **35Ш2** | 1088.17 | 612.10 | 391.74 | 272.04 | 199.87 | 153.02 | 120.91 | 97.94 | 80.94 | 68.01 | 49.97 | 38.26 | 30.23 | 24.48 | 20.23 | 17.00 | 14.49 | 12.49 |
| **35Ш3** | 1354.33 | 761.81 | 487.56 | 338.58 | 248.75 | 190.45 | 150.48 | 121.89 | 100.73 | 84.65 | 62.19 | 47.61 | 37.62 | 30.47 | 25.18 | 21.16 | 18.03 | 15.55 |
| **35Ш4** | 1556.72 | 875.66 | 560.42 | 389.18 | 285.93 | 218.91 | 172.97 | 140.10 | 115.79 | 97.30 | 71.48 | 54.73 | 43.24 | 35.03 | 28.95 | 24.32 | 20.73 | 17.87 |
| **35Ш5** | 1942.55 | 1092.68 | 699.32 | 485.64 | 356.79 | 273.17 | 215.84 | 174.83 | 144.49 | 121.41 | 89.20 | 68.29 | 53.96 | 43.71 | 36.12 | 30.35 | 25.86 | 22.30 |
| **35Ш6** | 2391.10 | 1344.99 | 860.80 | 597.78 | 439.18 | 336.25 | 265.68 | 215.20 | 177.85 | 149.44 | 109.80 | 84.06 | 66.42 | 53.80 | 44.46 | 37.36 | 31.83 | 27.45 |
| **35Ш7** | 2996.42 | 1685.49 | 1078.71 | 749.10 | 550.36 | 421.37 | 332.94 | 269.68 | 222.87 | 187.28 | 137.59 | 105.34 | 83.23 | 67.42 | 55.72 | 46.82 | 39.89 | 34.40 |
| **40Ш1** | 1361.58 | 765.89 | 490.17 | 340.39 | 250.09 | 191.47 | 151.29 | 122.54 | 101.27 | 85.10 | 62.52 | 47.87 | 37.82 | 30.64 | 25.32 | 21.27 | 18.13 | 15.63 |
| **40Ш2** | 1692.50 | 952.03 | 609.30 | 423.13 | 310.87 | 238.01 | 188.06 | 152.33 | 125.89 | 105.78 | 77.72 | 59.50 | 47.01 | 38.08 | 31.47 | 26.45 | 22.53 | 19.43 |
| **40Ш3** | 2056.96 | 1157.04 | 740.51 | 514.24 | 377.81 | 289.26 | 228.55 | 185.13 | 153.00 | 128.56 | 94.45 | 72.32 | 57.14 | 46.28 | 38.25 | 32.14 | 27.39 | 23.61 |
| **40Ш4** | 2421.44 | 1362.06 | 871.72 | 605.36 | 444.75 | 340.52 | 269.05 | 217.93 | 180.11 | 151.34 | 111.19 | 85.13 | 67.26 | 54.48 | 45.03 | 37.84 | 32.24 | 27.80 |
| **40Ш5** | 3046.88 | 1713.87 | 1096.88 | 761.72 | 559.63 | 428.47 | 338.54 | 274.22 | 226.63 | 190.43 | 139.91 | 107.12 | 84.64 | 68.55 | 56.66 | 47.61 | 40.56 | 34.98 |
| **40Ш6** | 3667.98 | 2063.24 | 1320.47 | 916.99 | 673.71 | 515.81 | 407.55 | 330.12 | 272.82 | 229.25 | 168.43 | 128.95 | 101.89 | 82.53 | 68.21 | 57.31 | 48.83 | 42.11 |
| **40Ш7** | 4493.93 | 2527.84 | 1617.82 | 1123.48 | 825.42 | 631.96 | 499.33 | 404.45 | 334.26 | 280.87 | 206.35 | 157.99 | 124.83 | 101.11 | 83.56 | 70.22 | 59.83 | 51.59 |
| **45Ш0** | 1840.21 | 1035.12 | 662.48 | 460.05 | 338.00 | 258.78 | 204.47 | 165.62 | 136.88 | 115.01 | 84.50 | 64.70 | 51.12 | 41.40 | 34.22 | 28.75 | 24.50 | 21.12 |
| **45Ш1** | 2174.89 | 1223.38 | 782.96 | 543.72 | 399.47 | 305.84 | 241.65 | 195.74 | 161.77 | 135.93 | 99.87 | 76.46 | 60.41 | 48.94 | 40.44 | 33.98 | 28.96 | 24.97 |
| **45Ш2** | 2434.36 | 1369.33 | 876.37 | 608.59 | 447.13 | 342.33 | 270.48 | 219.09 | 181.07 | 152.15 | 111.78 | 85.58 | 67.62 | 54.77 | 45.27 | 38.04 | 32.41 | 27.95 |
| **45Ш3** | 2788.13 | 1568.32 | 1003.73 | 697.03 | 512.11 | 392.08 | 309.79 | 250.93 | 207.38 | 174.26 | 128.03 | 98.02 | 77.45 | 62.73 | 51.85 | 43.56 | 37.12 | 32.01 |
| **45Ш4** | 3488.48 | 1962.27 | 1255.85 | 872.12 | 640.74 | 490.57 | 387.61 | 313.96 | 259.47 | 218.03 | 160.19 | 122.64 | 96.90 | 78.49 | 64.87 | 54.51 | 46.44 | 40.05 |
| **45Ш5** | 4162.52 | 2352.67 | 1505.71 | 1045.63 | 768.22 | 588.17 | 464.72 | 376.43 | 311.10 | 261.41 | 192.05 | 147.04 | 116.18 | 94.11 | 77.77 | 65.35 | 55.68 | 48.01 |
| **45Ш6** | 5114.71 | 2877.02 | 1841.30 | 1278.68 | 939.44 | 719.26 | 568.30 | 460.32 | 380.43 | 319.67 | 234.86 | 179.81 | 142.08 | 115.08 | 95.11 | 79.92 | 68.10 | 58.71 |
| **50Ш1** | 2137.60 | 1202.40 | 769.54 | 534.40 | 392.62 | 300.60 | 237.51 | 192.38 | 159.00 | 133.60 | 98.16 | 75.15 | 59.38 | 48.10 | 39.75 | 33.40 | 28.46 | 24.54 |
| **50Ш2** | 2518.53 | 1416.67 | 906.67 | 629.63 | 462.59 | 354.17 | 279.84 | 226.67 | 187.33 | 157.41 | 115.65 | 88.54 | 69.96 | 56.67 | 46.83 | 39.35 | 33.53 | 28.91 |
| **50Ш3** | 2768.18 | 1557.10 | 996.54 | 692.04 | 508.44 | 389.28 | 307.58 | 249.14 | 205.90 | 173.01 | 127.11 | 97.32 | 76.89 | 62.28 | 51.47 | 43.25 | 36.85 | 31.78 |
| **50Ш4** | 3123.01 | 1756.69 | 1124.28 | 780.75 | 573.61 | 439.17 | 347.00 | 281.07 | 232.29 | 195.19 | 143.40 | 109.79 | 86.75 | 70.27 | 58.07 | 48.80 | 41.58 | 35.85 |
| **50Ш5** | 3701.34 | 2082.01 | 1332.48 | 925.34 | 679.84 | 520.50 | 411.26 | 333.12 | 275.31 | 231.33 | 169.96 | 130.13 | 102.82 | 83.28 | 68.83 | 57.83 | 49.28 | 42.49 |
| **50Ш6** | 4428.35 | 2490.95 | 1594.21 | 1107.09 | 813.37 | 622.74 | 492.04 | 398.55 | 329.38 | 276.77 | 203.34 | 155.68 | 123.01 | 99.64 | 82.35 | 69.19 | 58.96 | 50.84 |
| **50Ш7** | 5355.79 | 3012.63 | 1928.08 | 1338.95 | 983.72 | 753.16 | 595.09 | 482.02 | 398.36 | 334.74 | 245.93 | 188.29 | 148.77 | 120.51 | 99.59 | 83.68 | 71.30 | 61.48 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



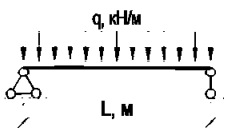



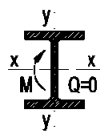
Таблица 6.4.1

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 50Ш8 | 6413.42 | 3607.55 | 2308.83 | 1603.36 | 1177.98 | 901.89 | 712.60 | 577.21 | 477.03 | 400.84 | 294.49 | 225.47 | 178.15 | 144.30 | 119.26 | 100.21 | 85.39 | 73.62 |
| 60Ш1 | 3012.10 | 1694.30 | 1084.35 | 753.02 | 553.24 | 423.58 | 334.68 | 271.09 | 224.04 | 188.26 | 138.31 | 105.89 | 83.67 | 67.77 | 56.01 | 47.06 | 40.10 | 34.58 |
| 60Ш2 | 3504.42 | 1971.24 | 1261.59 | 876.11 | 643.67 | 492.81 | 389.38 | 315.40 | 260.66 | 219.03 | 160.92 | 123.20 | 97.35 | 78.85 | 65.16 | 54.76 | 46.66 | 40.23 |
| 60Ш3 | 4110.64 | 2312.24 | 1479.83 | 1027.66 | 755.02 | 578.06 | 456.74 | 369.96 | 305.75 | 256.92 | 188.75 | 144.51 | 114.18 | 92.49 | 76.44 | 64.23 | 54.73 | 47.19 |
| 60Ш4 | 4716.29 | 2652.91 | 1697.86 | 1179.07 | 866.26 | 663.23 | 524.03 | 424.47 | 350.80 | 294.77 | 216.56 | 165.81 | 131.01 | 106.12 | 87.70 | 73.69 | 62.79 | 54.14 |
| 60Ш5 | 5588.37 | 3143.46 | 2011.81 | 1397.09 | 1026.43 | 785.86 | 620.93 | 502.95 | 415.66 | 349.27 | 256.61 | 196.47 | 155.23 | 125.74 | 103.92 | 87.32 | 74.40 | 64.15 |
| 60Ш6 | 6912.10 | 3888.06 | 2488.36 | 1728.03 | 1269.57 | 972.01 | 768.01 | 622.09 | 514.12 | 432.01 | 317.39 | 243.00 | 192.00 | 155.52 | 128.53 | 108.00 | 92.03 | 79.35 |
| 60Ш7 | 8080.79 | 4545.44 | 2909.08 | 2020.20 | 1484.23 | 1136.36 | 897.87 | 727.27 | 601.05 | 505.05 | 371.06 | 284.09 | 224.47 | 181.82 | 150.26 | 126.26 | 107.58 | 92.76 |
| 60Ш8 | 9728.86 | 5472.48 | 3502.39 | 2432.21 | 1786.93 | 1368.12 | 1080.98 | 875.60 | 723.63 | 608.05 | 446.73 | 342.03 | 270.25 | 218.90 | 180.91 | 152.01 | 129.53 | 111.68 |
| 70Ш1 | 4252.76 | 2392.18 | 1530.99 | 1063.19 | 781.12 | 598.04 | 472.53 | 382.75 | 316.32 | 265.80 | 195.28 | 149.51 | 118.13 | 95.69 | 79.08 | 66.45 | 56.62 | 48.82 |
| 70Ш2 | 4658.06 | 2620.16 | 1676.90 | 1164.52 | 855.56 | 655.04 | 517.56 | 419.23 | 346.47 | 291.13 | 213.89 | 163.76 | 129.39 | 104.81 | 86.62 | 72.78 | 62.02 | 53.47 |
| 70Ш3 | 5529.73 | 3110.47 | 1990.70 | 1382.43 | 1015.66 | 777.62 | 614.41 | 497.68 | 411.30 | 345.61 | 253.92 | 194.40 | 153.60 | 124.42 | 102.83 | 86.40 | 73.62 | 63.48 |
| 70Ш4 | 6293.78 | 3540.25 | 2265.76 | 1573.45 | 1156.00 | 885.06 | 699.31 | 566.44 | 468.13 | 393.36 | 289.00 | 221.27 | 174.83 | 141.61 | 117.03 | 98.34 | 83.79 | 72.25 |
| 70Ш5 | 7214.35 | 4058.07 | 2597.17 | 1803.59 | 1325.09 | 1014.52 | 801.59 | 649.29 | 536.60 | 450.90 | 331.27 | 253.63 | 200.40 | 162.32 | 134.15 | 112.72 | 96.05 | 82.82 |
| 70Ш6 | 8913.12 | 5013.63 | 3208.72 | 2228.28 | 1637.10 | 1253.41 | 990.35 | 802.18 | 662.96 | 557.07 | 409.28 | 313.35 | 247.59 | 200.55 | 165.74 | 139.27 | 118.67 | 102.32 |
| 70Ш7 | 10712.64 | 6025.86 | 3856.55 | 2678.16 | 1967.63 | 1506.47 | 1190.29 | 964.14 | 796.81 | 669.54 | 491.91 | 376.62 | 297.57 | 241.03 | 199.20 | 167.39 | 142.62 | 122.98 |
| 70Ш8 | 12356.84 | 6950.72 | 4448.46 | 3089.21 | 2269.62 | 1737.68 | 1372.98 | 1112.12 | 919.10 | 772.30 | 567.41 | 434.42 | 343.25 | 278.03 | 229.78 | 193.08 | 164.51 | 141.85 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | 165.33 | 93.00 | 59.52 | 41.33 | 30.37 | 23.25 | 18.37 | 14.88 | 12.30 | 10.33 | 7.59 | 5.81 | 4.59 | 3.72 | 3.07 | 2.58 | 2.20 | 1.90 |
| 15К2 | 194.49 | 109.40 | 70.02 | 48.62 | 35.72 | 27.35 | 21.61 | 17.50 | 14.47 | 12.16 | 8.93 | 6.84 | 5.40 | 4.38 | 3.62 | 3.04 | 2.59 | 2.23 |
| 15К3 | 233.13 | 131.14 | 83.93 | 58.28 | 42.82 | 32.78 | 25.90 | 20.98 | 17.34 | 14.57 | 10.70 | 8.20 | 6.48 | 5.25 | 4.34 | 3.64 | 3.10 | 2.68 |
| 15К4 | 280.41 | 157.73 | 100.95 | 70.10 | 51.50 | 39.43 | 31.16 | 25.24 | 20.86 | 17.53 | 12.88 | 9.86 | 7.79 | 6.31 | 5.21 | 4.38 | 3.73 | 3.22 |
| 15К5 | 338.43 | 190.37 | 121.84 | 84.61 | 62.16 | 47.59 | 37.60 | 30.46 | 25.17 | 21.15 | 15.54 | 11.90 | 9.40 | 7.61 | 6.29 | 5.29 | 4.51 | 3.89 |
| 20К1 | 348.89 | 196.25 | 125.60 | 87.22 | 64.08 | 49.06 | 38.77 | 31.40 | 25.95 | 21.81 | 16.02 | 12.27 | 9.69 | 7.85 | 6.49 | 5.45 | 4.64 | 4.01 |
| 20К2 | 402.43 | 226.37 | 144.88 | 100.61 | 73.92 | 56.59 | 44.71 | 36.22 | 29.93 | 25.15 | 18.48 | 14.15 | 11.18 | 9.05 | 7.48 | 6.29 | 5.36 | 4.62 |
| 20К3 | 468.74 | 263.66 | 168.74 | 117.18 | 86.09 | 65.92 | 52.08 | 42.19 | 34.86 | 29.30 | 21.52 | 16.48 | 13.02 | 10.55 | 8.72 | 7.32 | 6.24 | 5.38 |
| 20К4 | 565.85 | 318.29 | 203.70 | 141.46 | 103.93 | 79.57 | 62.87 | 50.93 | 42.09 | 35.37 | 25.98 | 19.89 | 15.72 | 12.73 | 10.52 | 8.84 | 7.53 | 6.50 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 20К5 | 635.65 | 357.55 | 228.83 | 158.91 | 116.75 | 89.39 | 70.63 | 57.21 | 47.28 | 39.73 | 29.19 | 22.35 | 17.66 | 14.30 | 11.82 | 9.93 | 8.46 | 7.30 |
| 20К6 | 705.42 | 396.80 | 253.95 | 176.35 | 129.57 | 99.20 | 78.38 | 63.49 | 52.47 | 44.09 | 32.39 | 24.80 | 19.59 | 15.87 | 13.12 | 11.02 | 9.39 | 8.10 |
| 20К7 | 806.00 | 453.38 | 290.16 | 201.50 | 148.04 | 113.34 | 89.56 | 72.54 | 59.95 | 50.38 | 37.01 | 28.34 | 22.39 | 18.14 | 14.99 | 12.59 | 10.73 | 9.25 |
| 20К8 | 934.88 | 525.87 | 336.56 | 233.72 | 171.71 | 131.47 | 103.88 | 84.14 | 69.54 | 58.43 | 42.93 | 32.87 | 25.97 | 21.03 | 17.38 | 14.61 | 12.45 | 10.73 |
| 25К1 | 636.25 | 357.89 | 229.05 | 159.06 | 116.86 | 89.47 | 70.69 | 57.26 | 47.32 | 39.77 | 29.22 | 22.37 | 17.67 | 14.32 | 11.83 | 9.94 | 8.47 | 7.30 |
| 25К2 | 739.50 | 415.97 | 266.22 | 184.87 | 135.83 | 103.99 | 82.17 | 66.55 | 55.00 | 46.22 | 33.96 | 26.00 | 20.54 | 16.64 | 13.75 | 11.55 | 9.85 | 8.49 |
| 25К3 | 819.88 | 461.18 | 295.16 | 204.97 | 150.59 | 115.30 | 91.10 | 73.79 | 60.98 | 51.24 | 37.65 | 28.82 | 22.77 | 18.45 | 15.25 | 12.81 | 10.92 | 9.41 |
| 25К4 | 924.93 | 520.27 | 332.97 | 231.23 | 169.88 | 130.07 | 102.77 | 83.24 | 68.80 | 57.81 | 42.47 | 32.52 | 25.69 | 20.81 | 17.20 | 14.45 | 12.31 | 10.62 |
| 25К5 | 1058.13 | 595.20 | 380.93 | 264.53 | 194.35 | 148.80 | 117.57 | 95.23 | 78.70 | 66.13 | 48.59 | 37.20 | 29.39 | 23.81 | 19.68 | 16.53 | 14.09 | 12.15 |
| 25К6 | 1139.00 | 640.69 | 410.04 | 284.75 | 209.20 | 160.17 | 126.56 | 102.51 | 84.72 | 71.19 | 52.30 | 40.04 | 31.64 | 25.63 | 21.18 | 17.80 | 15.16 | 13.08 |
| 25К7 | 1338.13 | 752.70 | 481.73 | 334.53 | 245.78 | 188.17 | 148.68 | 120.43 | 99.53 | 83.63 | 61.44 | 47.04 | 37.17 | 30.11 | 24.88 | 20.91 | 17.82 | 15.36 |
| 25К8 | 1523.19 | 856.80 | 548.35 | 380.80 | 279.77 | 214.20 | 169.24 | 137.09 | 113.30 | 95.20 | 69.94 | 53.55 | 42.31 | 34.27 | 28.32 | 23.80 | 20.28 | 17.49 |
| 25К9 | 1711.04 | 962.46 | 615.97 | 427.76 | 314.27 | 240.61 | 190.12 | 153.99 | 127.27 | 106.94 | 78.57 | 60.15 | 47.53 | 38.50 | 31.82 | 26.73 | 22.78 | 19.64 |
| 25К10 | 1982.05 | 1114.90 | 713.54 | 495.51 | 364.05 | 278.73 | 220.23 | 178.38 | 147.43 | 123.88 | 91.01 | 69.68 | 55.06 | 44.60 | 36.86 | 30.97 | 26.39 | 22.75 |
| 30К1 | 1079.55 | 607.25 | 388.64 | 269.89 | 198.29 | 151.81 | 119.95 | 97.16 | 80.30 | 67.47 | 49.57 | 37.95 | 29.99 | 24.29 | 20.07 | 16.87 | 14.37 | 12.39 |
| 30К2 | 1161.13 | 653.14 | 418.01 | 290.28 | 213.27 | 163.28 | 129.01 | 104.50 | 86.37 | 72.57 | 53.32 | 40.82 | 32.25 | 26.13 | 21.59 | 18.14 | 15.46 | 13.33 |
| 30К3 | 1225.13 | 689.14 | 441.05 | 306.28 | 225.02 | 172.28 | 136.13 | 110.26 | 91.13 | 76.57 | 56.26 | 43.07 | 34.03 | 27.57 | 22.78 | 19.14 | 16.31 | 14.06 |
| 30К4 | 1312.60 | 738.34 | 472.54 | 328.15 | 241.09 | 184.58 | 145.84 | 118.13 | 97.63 | 82.04 | 60.27 | 46.15 | 36.46 | 29.53 | 24.41 | 20.51 | 17.48 | 15.07 |
| 30К5 | 1460.82 | 821.71 | 525.90 | 365.21 | 268.31 | 205.43 | 162.31 | 131.47 | 108.66 | 91.30 | 67.08 | 51.36 | 40.58 | 32.87 | 27.16 | 22.83 | 19.45 | 16.77 |
| 30К6 | 1546.91 | 870.14 | 556.89 | 386.73 | 284.13 | 217.53 | 171.88 | 139.22 | 115.06 | 96.68 | 71.03 | 54.38 | 42.97 | 34.81 | 28.76 | 24.17 | 20.59 | 17.76 |
| 30К7 | 1694.19 | 952.98 | 609.91 | 423.55 | 311.18 | 238.25 | 188.24 | 152.48 | 126.01 | 105.89 | 77.79 | 59.56 | 47.06 | 38.12 | 31.50 | 26.47 | 22.56 | 19.45 |
| 30К8 | 1975.83 | 1111.41 | 711.30 | 493.96 | 362.91 | 277.85 | 219.54 | 177.82 | 146.96 | 123.49 | 90.73 | 69.46 | 54.88 | 44.46 | 36.74 | 30.87 | 26.31 | 22.68 |
| 30К9 | 2234.09 | 1256.67 | 804.27 | 558.52 | 410.34 | 314.17 | 248.23 | 201.07 | 166.17 | 139.63 | 102.59 | 78.54 | 62.06 | 50.27 | 41.54 | 34.91 | 29.74 | 25.65 |
| 30К10 | 2498.88 | 1405.62 | 899.60 | 624.72 | 458.98 | 351.41 | 277.65 | 224.90 | 185.87 | 156.18 | 114.74 | 87.85 | 69.41 | 56.22 | 46.47 | 39.05 | 33.27 | 28.69 |
| 30К11 | 2766.22 | 1556.00 | 995.84 | 691.55 | 508.08 | 389.00 | 307.36 | 248.96 | 205.75 | 172.89 | 127.02 | 97.25 | 76.84 | 62.24 | 51.44 | 43.22 | 36.83 | 31.76 |
| 30К12 | 3077.30 | 1730.98 | 1107.83 | 769.32 | 565.22 | 432.75 | 341.92 | 276.96 | 228.89 | 192.33 | 141.30 | 108.19 | 85.48 | 69.24 | 57.22 | 48.08 | 40.97 | 35.33 |
| 30К13 | 3475.64 | 1955.05 | 1251.23 | 868.91 | 638.38 | 488.76 | 386.18 | 312.81 | 258.52 | 217.23 | 159.60 | 122.19 | 96.55 | 78.20 | 64.63 | 54.31 | 46.27 | 39.90 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



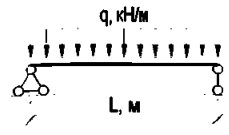
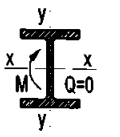



Таблица 6.4.1

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30К14 | 3838.16 | 2158.96 | 1381.74 | 959.54 | 704.97 | 539.74 | 426.46 | 345.43 | 285.48 | 239.88 | 176.24 | 134.94 | 106.62 | 86.36 | 71.37 | 59.97 | 51.10 | 44.06 |
| 30К15 | 4218.75 | 2373.05 | 1518.75 | 1054.69 | 774.87 | 593.26 | 468.75 | 379.69 | 313.79 | 263.67 | 193.72 | 148.32 | 117.19 | 94.92 | 78.45 | 65.92 | 56.17 | 48.43 |
| 30К16 | 4693.14 | 2639.89 | 1689.53 | 1173.29 | 862.01 | 659.97 | 521.46 | 422.38 | 349.08 | 293.32 | 215.50 | 164.99 | 130.37 | 105.60 | 87.27 | 73.33 | 62.48 | 53.88 |
| 30К17 | 5175.55 | 2911.25 | 1863.20 | 1293.89 | 950.61 | 727.81 | 575.06 | 465.80 | 384.96 | 323.47 | 237.65 | 181.95 | 143.77 | 116.45 | 96.24 | 80.87 | 68.91 | 59.41 |
| 30К18 | 5508.17 | 3098.35 | 1982.94 | 1377.04 | 1011.71 | 774.59 | 612.02 | 495.74 | 409.70 | 344.26 | 252.93 | 193.65 | 153.00 | 123.93 | 102.42 | 86.07 | 73.33 | 63.23 |
| 30К19 | 6222.58 | 3500.20 | 2240.13 | 1555.64 | 1142.92 | 875.05 | 691.40 | 560.03 | 462.84 | 388.91 | 285.73 | 218.76 | 172.85 | 140.01 | 115.71 | 97.23 | 82.84 | 71.43 |
| 30К20 | 6935.18 | 3901.04 | 2496.67 | 1733.80 | 1273.81 | 975.26 | 770.58 | 624.17 | 515.84 | 433.45 | 318.45 | 243.82 | 192.64 | 156.04 | 128.96 | 108.36 | 92.33 | 79.61 |
| 30К21 | 7512.14 | 4225.58 | 2704.37 | 1878.03 | 1379.78 | 1056.39 | 834.68 | 676.09 | 558.75 | 469.51 | 344.95 | 264.10 | 208.67 | 169.02 | 139.69 | 117.38 | 100.01 | 86.24 |
| 35К1 | 1559.38 | 877.15 | 561.38 | 389.85 | 286.42 | 219.29 | 173.26 | 140.34 | 115.99 | 97.46 | 71.60 | 54.82 | 43.32 | 35.09 | 29.00 | 24.37 | 20.76 | 17.90 |
| 35К1.5 | 1761.54 | 990.86 | 634.15 | 440.38 | 323.55 | 247.72 | 195.73 | 158.54 | 131.02 | 110.10 | 80.89 | 61.93 | 48.93 | 39.63 | 32.76 | 27.52 | 23.45 | 20.22 |
| 35К2 | 1964.89 | 1105.25 | 707.36 | 491.22 | 360.90 | 276.31 | 218.32 | 176.84 | 146.15 | 122.81 | 90.22 | 69.08 | 54.58 | 44.21 | 36.54 | 30.70 | 26.16 | 22.56 |
| 35К3 | 2129.98 | 1198.12 | 766.79 | 532.50 | 391.22 | 299.53 | 236.66 | 191.70 | 158.43 | 133.12 | 97.81 | 74.88 | 59.17 | 47.92 | 39.61 | 33.28 | 28.36 | 24.45 |
| 35К4 | 2378.59 | 1337.96 | 856.29 | 594.65 | 436.88 | 334.49 | 264.29 | 214.07 | 176.92 | 148.66 | 109.22 | 83.62 | 66.07 | 53.52 | 44.23 | 37.17 | 31.67 | 27.31 |
| 35К5 | 2628.91 | 1478.76 | 946.41 | 657.23 | 482.86 | 369.69 | 292.10 | 236.60 | 195.54 | 164.31 | 120.72 | 92.42 | 73.03 | 59.15 | 48.88 | 41.08 | 35.00 | 30.18 |
| 35К6 | 2879.40 | 1619.66 | 1036.58 | 719.85 | 528.87 | 404.92 | 319.93 | 259.15 | 214.17 | 179.96 | 132.22 | 101.23 | 79.98 | 64.79 | 53.54 | 44.99 | 38.34 | 33.05 |
| 35К7 | 3236.27 | 1820.40 | 1165.06 | 809.07 | 594.42 | 455.10 | 359.59 | 291.26 | 240.71 | 202.27 | 148.60 | 113.78 | 89.90 | 72.82 | 60.18 | 50.57 | 43.09 | 37.15 |
| 35К8 | 3549.24 | 1996.45 | 1277.73 | 887.31 | 651.90 | 499.11 | 394.36 | 319.43 | 263.99 | 221.83 | 162.98 | 124.78 | 98.59 | 79.86 | 66.00 | 55.46 | 47.25 | 40.74 |
| 35К9 | 3912.49 | 2200.78 | 1408.50 | 978.12 | 718.62 | 550.19 | 434.72 | 352.12 | 291.01 | 244.53 | 179.66 | 137.55 | 108.68 | 88.03 | 72.75 | 61.13 | 52.09 | 44.91 |
| 35К10 | 4284.58 | 2410.08 | 1542.45 | 1071.15 | 786.96 | 602.52 | 476.06 | 385.61 | 318.69 | 267.79 | 196.74 | 150.63 | 119.02 | 96.40 | 79.67 | 66.95 | 57.04 | 49.19 |
| 35К11 | 4816.96 | 2709.54 | 1734.10 | 1204.24 | 884.75 | 677.38 | 535.22 | 433.53 | 358.29 | 301.06 | 221.19 | 169.35 | 133.80 | 108.38 | 89.57 | 75.26 | 64.13 | 55.30 |
| 35К12 | 5361.84 | 3016.04 | 1930.26 | 1340.46 | 984.83 | 754.01 | 595.76 | 482.57 | 398.81 | 335.12 | 246.21 | 188.50 | 148.94 | 120.64 | 99.70 | 83.78 | 71.39 | 61.55 |
| 35К13 | 5914.33 | 3326.81 | 2129.16 | 1478.58 | 1086.31 | 831.70 | 657.15 | 532.29 | 439.91 | 369.65 | 271.58 | 207.93 | 164.29 | 133.07 | 109.98 | 92.41 | 78.74 | 67.89 |
| 35К14 | 6193.32 | 3483.74 | 2229.60 | 1548.33 | 1137.55 | 870.94 | 688.15 | 557.40 | 460.66 | 387.08 | 284.39 | 217.73 | 172.04 | 139.35 | 115.17 | 96.77 | 82.46 | 71.10 |
| 35К15 | 6847.34 | 3851.63 | 2465.04 | 1711.83 | 1257.67 | 962.91 | 760.82 | 616.26 | 509.31 | 427.96 | 314.42 | 240.73 | 190.20 | 154.07 | 127.33 | 106.99 | 91.16 | 78.60 |
| 35К16 | 7755.73 | 4362.60 | 2792.06 | 1938.93 | 1424.52 | 1090.65 | 861.75 | 698.02 | 576.87 | 484.73 | 356.13 | 272.66 | 215.44 | 174.50 | 144.22 | 121.18 | 103.26 | 89.03 |
| 35К17 | 8563.30 | 4816.86 | 3082.79 | 2140.82 | 1572.85 | 1204.21 | 951.48 | 770.70 | 636.94 | 535.21 | 393.21 | 301.05 | 237.87 | 192.67 | 159.23 | 133.80 | 114.01 | 98.30 |
| 35К18 | 9075.06 | 5104.72 | 3267.02 | 2268.77 | 1666.85 | 1276.18 | 1008.34 | 816.76 | 675.00 | 567.19 | 416.71 | 319.05 | 252.09 | 204.19 | 168.75 | 141.80 | 120.82 | 104.18 |
| 35К19 | 10106.66 | 5684.99 | 3638.40 | 2526.66 | 1856.32 | 1421.25 | 1122.96 | 909.60 | 751.73 | 631.67 | 464.08 | 355.31 | 280.74 | 227.40 | 187.93 | 157.92 | 134.56 | 116.02 |
| 35К20 | 10479.04 | 5894.46 | 3772.45 | 2619.76 | 1924.72 | 1473.62 | 1164.34 | 943.11 | 779.43 | 654.94 | 481.18 | 368.40 | 291.08 | 235.78 | 194.86 | 163.74 | 139.51 | 120.30 |
| 35К21 | 11659.58 | 6558.51 | 4197.45 | 2914.89 | 2141.56 | 1639.63 | 1295.51 | 1049.36 | 867.24 | 728.72 | 535.39 | 409.91 | 323.88 | 262.34 | 216.81 | 182.18 | 155.23 | 133.85 |
| 35К22 | 12994.73 | 7309.54 | 4678.10 | 3248.68 | 2386.79 | 1827.38 | 1443.86 | 1169.53 | 966.55 | 812.17 | 596.70 | 456.85 | 360.96 | 292.38 | 241.64 | 203.04 | 173.01 | 149.17 |
| 35К23 | 14509.32 | 8161.49 | 5223.35 | 3627.33 | 2664.98 | 2040.37 | 1612.15 | 1305.84 | 1079.21 | 906.83 | 666.24 | 510.09 | 403.04 | 326.46 | 269.80 | 226.71 | 193.17 | 166.56 |
| 35К24 | 16181.50 | 9102.09 | 5825.34 | 4045.37 | 2972.11 | 2275.52 | 1797.94 | 1456.33 | 1203.58 | 1011.34 | 743.03 | 568.88 | 449.49 | 364.08 | 300.90 | 252.84 | 215.43 | 185.76 |
| 40К1 | 2432.09 | 1368.05 | 875.55 | 608.02 | 446.71 | 342.01 | 270.23 | 218.89 | 180.90 | 152.01 | 111.68 | 85.50 | 67.56 | 54.72 | 45.22 | 38.00 | 32.38 | 27.92 |
| 40К2 | 2724.18 | 1532.35 | 980.71 | 681.05 | 500.36 | 383.09 | 302.69 | 245.18 | 202.63 | 170.26 | 125.09 | 95.77 | 75.67 | 61.29 | 50.66 | 42.57 | 36.27 | 31.27 |
| 40К3 | 3143.86 | 1768.42 | 1131.79 | 785.97 | 577.44 | 442.11 | 349.32 | 282.95 | 233.84 | 196.49 | 144.36 | 110.53 | 87.33 | 70.74 | 58.46 | 49.12 | 41.86 | 36.09 |
| 40К4 | 3665.12 | 2061.63 | 1319.44 | 916.28 | 673.18 | 515.41 | 407.24 | 329.86 | 272.61 | 229.07 | 168.30 | 128.85 | 101.81 | 82.47 | 68.15 | 57.27 | 48.80 | 42.07 |
| 40К4.5 | 4035.57 | 2270.01 | 1452.81 | 1008.89 | 741.23 | 567.50 | 448.40 | 363.20 | 300.17 | 252.22 | 185.31 | 141.88 | 112.10 | 90.80 | 75.04 | 63.06 | 53.73 | 46.33 |
| 40К5 | 4586.10 | 2579.68 | 1651.00 | 1146.52 | 842.34 | 644.92 | 509.57 | 412.75 | 341.11 | 286.63 | 210.59 | 161.23 | 127.39 | 103.19 | 85.28 | 71.66 | 61.06 | 52.65 |
| 40К6 | 4795.94 | 2697.72 | 1726.54 | 1198.98 | 880.89 | 674.43 | 532.88 | 431.63 | 356.72 | 299.75 | 220.22 | 168.61 | 133.22 | 107.91 | 89.18 | 74.94 | 63.85 | 55.06 |
| 40К7 | 5406.90 | 3041.38 | 1946.48 | 1351.73 | 993.10 | 760.35 | 600.77 | 486.62 | 402.17 | 337.93 | 248.28 | 190.09 | 150.19 | 121.66 | 100.54 | 84.48 | 71.99 | 62.07 |
| 40К8 | 6024.49 | 3388.77 | 2168.82 | 1506.12 | 1106.54 | 847.19 | 669.39 | 542.20 | 448.10 | 376.53 | 276.63 | 211.80 | 167.35 | 135.55 | 112.03 | 94.13 | 80.21 | 69.16 |
| 40К9 | 6776.84 | 3811.97 | 2439.66 | 1694.21 | 1244.73 | 952.99 | 752.98 | 609.92 | 504.06 | 423.55 | 311.18 | 238.25 | 188.25 | 152.48 | 126.02 | 105.89 | 90.22 | 77.80 |
| 40К10 | 7322.46 | 4118.88 | 2636.09 | 1830.62 | 1344.94 | 1029.72 | 813.61 | 659.02 | 544.65 | 457.65 | 336.24 | 257.43 | 203.40 | 164.76 | 136.16 | 114.41 | 97.49 | 84.06 |
| 40К11 | 8285.45 | 4660.57 | 2982.76 | 2071.36 | 1521.82 | 1165.14 | 920.61 | 745.69 | 616.27 | 517.84 | 380.45 | 291.29 | 230.15 | 186.42 | 154.07 | 129.46 | 110.31 | 95.11 |
| 40К12 | 9318.61 | 5241.72 | 3354.70 | 2329.65 | 1711.58 | 1310.43 | 1035.40 | 838.68 | 693.12 | 582.41 | 427.90 | 327.61 | 258.85 | 209.67 | 173.28 | 145.60 | 124.06 | 106.97 |
| 40К13 | 10017.13 | 5634.64 | 3606.17 | 2504.28 | 1839.88 | 1408.66 | 1113.01 | 901.54 | 745.08 | 626.07 | 459.97 | 352.16 | 278.25 | 225.39 | 186.27 | 156.52 | 133.36 | 114.99 |
| 40К14 | 11295.05 | 6353.47 | 4066.22 | 2823.76 | 2074.60 | 1588.37 | 1255.01 | 1016.55 | 840.13 | 705.94 | 518.65 | 397.09 | 313.75 | 254.14 | 210.03 | 176.49 | 150.38 | 129.66 |
| 40К15 | 11858.43 | 6670.37 | 4269.03 | 2964.61 | 2178.08 | 1667.59 | 1317.60 | 1067.26 | 882.03 | 741.15 | 544.52 | 416.90 | 329.40 | 266.81 | 220.51 | 185.29 | 157.88 | 136.13 |
| 40К16 | 13424.46 | 7551.26 | 4832.81 | 3356.11 | 2465.72 | 1887.81 | 1491.61 | 1208.20 | 998.51 | 839.03 | 616.43 | 471.95 | 372.90 | 302.05 | 249.63 | 209.76 | 178.73 | 154.11 |
| 40К17 | 15306.79 | 8610.07 | 5510.44 | 3826.70 | 2811.45 | 2152.52 | 1700.75 | 1377.61 | 1138.52 | 956.67 | 702.86 | 538.13 | 425.19 | 344.40 | 284.63 | 239.17 | 203.79 | 175.72 |
| 40К18 | 17402.53 | 9788.92 | 6264.91 | 4350.63 | 3196.38 | 2447.23 | 1933.61 | 1566.23 | 1294.40 | 1087.66 | 799.10 | 611.81 | 483.40 | 391.56 | 323.60 | 271.91 | 231.69 | 199.77 |
| 40К19 | 19765.69 | 11118.20 | 7115.65 | 4941.42 | 3630.43 | 2779.55 | 2196.19 | 1778.91 | 1470.17 | 1235.36 | 907.61 | 694.89 | 549.05 | 444.73 | 367.54 | 308.84 | 263.15 | 226.90 |
| Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | | |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



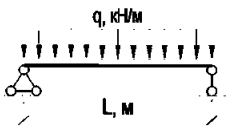



Таблица 6.4.1

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 13С1 | 123.21 | 69.31 | 44.36 | 30.80 | 22.63 | 17.33 | 13.69 | 11.09 | 9.16 | 7.70 | 5.66 | 4.33 | 3.42 | 2.77 | 2.29 | 1.93 | 1.64 | 1.41 |
| 20С1 | 425.13 | 239.14 | 153.05 | 106.28 | 78.09 | 59.78 | 47.24 | 38.26 | 31.62 | 26.57 | 19.52 | 14.95 | 11.81 | 9.57 | 7.91 | 6.64 | 5.66 | 4.88 |
| 25С1 | 614.66 | 345.74 | 221.28 | 153.66 | 112.90 | 86.44 | 68.30 | 55.32 | 45.72 | 38.42 | 28.22 | 21.61 | 17.07 | 13.83 | 11.43 | 9.60 | 8.18 | 7.06 |
| 25С2 | 783.96 | 440.98 | 282.22 | 195.99 | 143.99 | 110.24 | 87.11 | 70.56 | 58.31 | 49.00 | 36.00 | 27.56 | 21.78 | 17.64 | 14.58 | 12.25 | 10.44 | 9.00 |
| 30С1 | 979.03 | 550.70 | 352.45 | 244.76 | 179.82 | 137.68 | 108.78 | 88.11 | 72.82 | 61.19 | 44.96 | 34.42 | 27.20 | 22.03 | 18.21 | 15.30 | 13.03 | 11.24 |
| 30С2 | 1225.13 | 689.14 | 441.05 | 306.28 | 225.02 | 172.28 | 136.13 | 110.26 | 91.13 | 76.57 | 56.26 | 43.07 | 34.03 | 27.57 | 22.78 | 19.14 | 16.31 | 14.06 |
| 32С1 | 2051.22 | 1153.81 | 738.44 | 512.80 | 376.75 | 288.45 | 227.91 | 184.61 | 152.57 | 128.20 | 94.19 | 72.11 | 56.98 | 46.15 | 38.14 | 32.05 | 27.31 | 23.55 |
| 32С2 | 2550.80 | 1434.83 | 918.29 | 637.70 | 468.52 | 358.71 | 283.42 | 229.57 | 189.73 | 159.43 | 117.13 | 89.68 | 70.86 | 57.39 | 47.43 | 39.86 | 33.96 | 29.28 |
| 35С1 | 1423.45 | 800.69 | 512.44 | 355.86 | 261.45 | 200.17 | 158.16 | 128.11 | 105.88 | 88.97 | 65.36 | 50.04 | 39.54 | 32.03 | 26.47 | 22.24 | 18.95 | 16.34 |
| 35С2 | 1752.92 | 986.02 | 631.05 | 438.23 | 321.96 | 246.50 | 194.77 | 157.76 | 130.38 | 109.56 | 80.49 | 61.63 | 48.69 | 39.44 | 32.60 | 27.39 | 23.34 | 20.12 |
| 35С3 | 2086.91 | 1173.89 | 751.29 | 521.73 | 383.31 | 293.47 | 231.88 | 187.82 | 155.22 | 130.43 | 95.83 | 73.37 | 57.97 | 46.96 | 38.81 | 32.61 | 27.78 | 23.96 |
| 40С1 | 2153.90 | 1211.57 | 775.40 | 538.47 | 395.61 | 302.89 | 239.32 | 193.85 | 160.21 | 134.62 | 98.90 | 75.72 | 59.83 | 48.46 | 40.05 | 33.65 | 28.68 | 24.73 |
| 40С2 | 2586.62 | 1454.98 | 931.18 | 646.66 | 475.09 | 363.74 | 287.40 | 232.80 | 192.39 | 161.66 | 118.77 | 90.94 | 71.85 | 58.20 | 48.10 | 40.42 | 34.44 | 29.69 |
| 40С3 | 2898.61 | 1630.47 | 1043.50 | 724.65 | 532.40 | 407.62 | 322.07 | 260.88 | 215.60 | 181.16 | 133.10 | 101.90 | 80.52 | 65.22 | 53.90 | 45.29 | 38.59 | 33.27 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 221.60 | 124.65 | 79.78 | 55.40 | 40.70 | 31.16 | 24.62 | 19.94 | 16.48 | 13.85 | 10.18 | 7.79 | 6.16 | 4.99 | 4.12 | 3.46 | 2.95 | 2.54 |
| 20ДБ2 | 254.98 | 143.42 | 91.79 | 63.74 | 46.83 | 35.86 | 28.33 | 22.95 | 18.97 | 15.94 | 11.71 | 8.96 | 7.08 | 5.74 | 4.74 | 3.98 | 3.39 | 2.93 |
| 25ДБ1 | 312.09 | 175.55 | 112.35 | 78.02 | 57.32 | 43.89 | 34.68 | 28.09 | 23.21 | 19.51 | 14.33 | 10.97 | 8.67 | 7.02 | 5.80 | 4.88 | 4.16 | 3.58 |
| 25ДБ2 | 369.15 | 207.65 | 132.89 | 92.29 | 67.80 | 51.91 | 41.02 | 33.22 | 27.46 | 23.07 | 16.95 | 12.98 | 10.25 | 8.31 | 6.86 | 5.77 | 4.91 | 4.24 |
| 25ДБ3 | 430.17 | 241.97 | 154.86 | 107.54 | 79.01 | 60.49 | 47.80 | 38.71 | 32.00 | 26.89 | 19.75 | 15.12 | 11.95 | 9.68 | 8.00 | 6.72 | 5.73 | 4.94 |
| 25ДБ4 | 336.80 | 189.45 | 121.25 | 84.20 | 61.86 | 47.36 | 37.42 | 30.31 | 25.05 | 21.05 | 15.47 | 11.84 | 9.36 | 7.58 | 6.26 | 5.26 | 4.48 | 3.87 |
| 25ДБ5 | 391.34 | 220.13 | 140.88 | 97.83 | 71.88 | 55.03 | 43.48 | 35.22 | 29.11 | 24.46 | 17.97 | 13.76 | 10.87 | 8.81 | 7.28 | 6.11 | 5.21 | 4.49 |
| 25ДБ6 | 456.02 | 256.51 | 164.17 | 114.01 | 83.76 | 64.13 | 50.67 | 41.04 | 33.92 | 28.50 | 20.94 | 16.03 | 12.67 | 10.26 | 8.48 | 7.13 | 6.07 | 5.23 |
| 30ДБ1 | 312.18 | 175.60 | 112.38 | 78.04 | 57.34 | 43.90 | 34.69 | 28.10 | 23.22 | 19.51 | 14.33 | 10.98 | 8.67 | 7.02 | 5.80 | 4.88 | 4.16 | 3.58 |
| 30ДБ2 | 354.22 | 199.25 | 127.52 | 88.55 | 65.06 | 49.81 | 39.36 | 31.88 | 26.35 | 22.14 | 16.27 | 12.45 | 9.84 | 7.97 | 6.59 | 5.53 | 4.72 | 4.07 |
| 30ДБ3 | 490.04 | 275.65 | 176.42 | 122.51 | 90.01 | 68.91 | 54.45 | 44.10 | 36.45 | 30.63 | 22.50 | 17.23 | 13.61 | 11.03 | 9.11 | 7.66 | 6.52 | 5.63 |
| 30ДБ4 | 543.15 | 305.52 | 195.53 | 135.79 | 99.76 | 76.38 | 60.35 | 48.88 | 40.40 | 33.95 | 24.94 | 19.10 | 15.09 | 12.22 | 10.10 | 8.49 | 7.23 | 6.24 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30ДБ5 | 639.23 | 359.57 | 230.12 | 159.81 | 117.41 | 89.89 | 71.03 | 57.53 | 47.55 | 39.95 | 29.35 | 22.47 | 17.76 | 14.38 | 11.89 | 9.99 | 8.51 | 7.34 |
| 30ДБ6 | 478.29 | 269.04 | 172.19 | 119.57 | 87.85 | 67.26 | 53.14 | 43.05 | 35.58 | 29.89 | 21.96 | 16.82 | 13.29 | 10.76 | 8.89 | 7.47 | 6.37 | 5.49 |
| 30ДБ7 | 551.00 | 309.94 | 198.36 | 137.75 | 101.20 | 77.48 | 61.22 | 49.59 | 40.98 | 34.44 | 25.30 | 19.37 | 15.31 | 12.40 | 10.25 | 8.61 | 7.34 | 6.33 |
| 30ДБ8 | 643.07 | 361.73 | 231.51 | 160.77 | 118.12 | 90.43 | 71.45 | 57.88 | 47.83 | 40.19 | 29.53 | 22.61 | 17.86 | 14.47 | 11.96 | 10.05 | 8.56 | 7.38 |
| 35ДБ1 | 421.16 | 236.90 | 151.62 | 105.29 | 77.36 | 59.23 | 46.80 | 37.90 | 31.33 | 26.32 | 19.34 | 14.81 | 11.70 | 9.48 | 7.83 | 6.58 | 5.61 | 4.83 |
| 35ДБ2 | 495.10 | 278.50 | 178.24 | 123.78 | 90.94 | 69.62 | 55.01 | 44.56 | 36.83 | 30.94 | 22.73 | 17.41 | 13.75 | 11.14 | 9.21 | 7.74 | 6.59 | 5.68 |
| 35ДБ3 | 614.49 | 345.65 | 221.22 | 153.62 | 112.87 | 86.41 | 68.28 | 55.30 | 45.71 | 38.41 | 28.22 | 21.60 | 17.07 | 13.83 | 11.43 | 9.60 | 8.18 | 7.05 |
| 35ДБ4 | 679.34 | 382.13 | 244.56 | 169.83 | 124.78 | 95.53 | 75.48 | 61.14 | 50.53 | 42.46 | 31.19 | 23.88 | 18.87 | 15.29 | 12.63 | 10.61 | 9.04 | 7.80 |
| 35ДБ5 | 765.27 | 430.46 | 275.50 | 191.32 | 140.56 | 107.62 | 85.03 | 68.87 | 56.92 | 47.83 | 35.14 | 26.90 | 21.26 | 17.22 | 14.23 | 11.96 | 10.19 | 8.78 |
| 35ДБ6 | 914.09 | 514.18 | 329.07 | 228.52 | 167.89 | 128.54 | 101.57 | 82.27 | 67.99 | 57.13 | 41.97 | 32.14 | 25.39 | 20.57 | 17.00 | 14.28 | 12.17 | 10.49 |
| 35ДБ7 | 1293.57 | 727.63 | 465.68 | 323.39 | 237.59 | 181.91 | 143.73 | 116.42 | 96.22 | 80.85 | 59.40 | 45.48 | 35.93 | 29.11 | 24.05 | 20.21 | 17.22 | 14.85 |
| 35ДБ8 | 1444.27 | 812.40 | 519.94 | 361.07 | 265.27 | 203.10 | 160.47 | 129.98 | 107.42 | 90.27 | 66.32 | 50.78 | 40.12 | 32.50 | 26.86 | 22.57 | 19.23 | 16.58 |
| 35ДБ9 | 1571.75 | 884.11 | 565.83 | 392.94 | 288.69 | 221.03 | 174.64 | 141.46 | 116.91 | 98.23 | 72.17 | 55.26 | 43.66 | 35.36 | 29.23 | 24.56 | 20.93 | 18.04 |
| 35ДБ10 | 1649.05 | 927.59 | 593.66 | 412.26 | 302.89 | 231.90 | 183.23 | 148.41 | 122.66 | 103.07 | 75.72 | 57.97 | 45.81 | 37.10 | 30.66 | 25.77 | 21.95 | 18.93 |
| 40ДБ1 | 563.91 | 317.20 | 203.01 | 140.98 | 103.58 | 79.30 | 62.66 | 50.75 | 41.94 | 35.24 | 25.89 | 19.83 | 15.66 | 12.69 | 10.49 | 8.81 | 7.51 | 6.47 |
| 40ДБ2 | 659.37 | 370.90 | 237.37 | 164.84 | 121.11 | 92.72 | 73.26 | 59.34 | 49.04 | 41.21 | 30.28 | 23.18 | 18.32 | 14.84 | 12.26 | 10.30 | 8.78 | 7.57 |
| 40ДБ3 | 788.31 | 443.42 | 283.79 | 197.08 | 144.79 | 110.86 | 87.59 | 70.95 | 58.63 | 49.27 | 36.20 | 27.71 | 21.90 | 17.74 | 14.66 | 12.32 | 10.50 | 9.05 |
| 40ДБ4 | 905.22 | 509.18 | 325.88 | 226.30 | 166.26 | 127.30 | 100.58 | 81.47 | 67.33 | 56.58 | 41.57 | 31.82 | 25.14 | 20.37 | 16.83 | 14.14 | 12.05 | 10.39 |
| 40ДБ5 | 1022.29 | 575.04 | 368.03 | 255.57 | 187.77 | 143.76 | 113.59 | 92.01 | 76.04 | 63.89 | 46.94 | 35.94 | 28.40 | 23.00 | 19.01 | 15.97 | 13.61 | 11.74 |
| 40ДБ6 | 1136.21 | 639.12 | 409.04 | 284.05 | 208.69 | 159.78 | 126.25 | 102.26 | 84.51 | 71.01 | 52.17 | 39.95 | 31.56 | 25.56 | 21.13 | 17.75 | 15.13 | 13.04 |
| 40ДБ7 | 1290.75 | 726.05 | 464.67 | 322.69 | 237.08 | 181.51 | 143.42 | 116.17 | 96.01 | 80.67 | 59.27 | 45.38 | 35.85 | 29.04 | 24.00 | 20.17 | 17.18 | 14.82 |
| 45ДБ1 | 804.69 | 452.64 | 289.69 | 201.17 | 147.80 | 113.16 | 89.41 | 72.42 | 59.85 | 50.29 | 36.95 | 28.29 | 22.35 | 18.11 | 14.96 | 12.57 | 10.71 | 9.24 |
| 45ДБ2 | 956.50 | 538.03 | 344.34 | 239.13 | 175.68 | 134.51 | 106.28 | 86.09 | 71.14 | 59.78 | 43.92 | 33.63 | 26.57 | 21.52 | 17.79 | 14.95 | 12.73 | 10.98 |
| 45ДБ3 | 1104.30 | 621.17 | 397.55 | 276.07 | 202.83 | 155.29 | 122.70 | 99.39 | 82.14 | 69.02 | 50.71 | 38.82 | 30.67 | 24.85 | 20.53 | 17.25 | 14.70 | 12.68 |
| 45ДБ4 | 1207.04 | 678.96 | 434.53 | 301.76 | 221.70 | 169.74 | 134.12 | 108.63 | 89.78 | 75.44 | 55.43 | 42.44 | 33.53 | 27.16 | 22.44 | 18.86 | 16.07 | 13.86 |
| 45ДБ5 | 1340.59 | 754.08 | 482.61 | 335.15 | 246.23 | 188.52 | 148.95 | 120.65 | 99.71 | 83.79 | 61.56 | 47.13 | 37.24 | 30.16 | 24.93 | 20.95 | 17.85 | 15.39 |
| 45ДБ6 | 1105.92 | 622.08 | 398.13 | 276.48 | 203.13 | 155.52 | 122.88 | 99.53 | 82.26 | 69.12 | 50.78 | 38.88 | 30.72 | 24.88 | 20.56 | 17.28 | 14.72 | 12.70 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

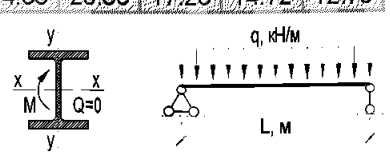
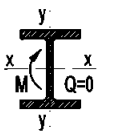


Таблица 6.4.1

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 45ДБ7 | 1242.20 | 698.74 | 447.19 | 310.55 | 228.16 | 174.68 | 138.02 | 111.80 | 92.39 | 77.64 | 57.04 | 43.67 | 34.51 | 27.95 | 23.10 | 19.41 | 16.54 | 14.26 |
| 45ДБ8 | 1372.93 | 772.27 | 494.25 | 343.23 | 252.17 | 193.07 | 152.55 | 123.56 | 102.12 | 85.81 | 63.04 | 48.27 | 38.14 | 30.89 | 25.53 | 21.45 | 18.28 | 15.76 |
| 45ДБ9 | 1509.55 | 849.12 | 543.44 | 377.39 | 277.26 | 212.28 | 167.73 | 135.86 | 112.28 | 94.35 | 69.32 | 53.07 | 41.93 | 33.96 | 28.07 | 23.59 | 20.10 | 17.33 |
| 45ДБ10 | 1629.95 | 916.85 | 586.78 | 407.49 | 299.38 | 229.21 | 181.11 | 146.70 | 121.24 | 101.87 | 74.84 | 57.30 | 45.28 | 36.67 | 30.31 | 25.47 | 21.70 | 18.71 |
| 45ДБ11 | 1702.70 | 957.77 | 612.97 | 425.67 | 312.74 | 239.44 | 189.19 | 153.24 | 126.65 | 106.42 | 78.18 | 59.86 | 47.30 | 38.31 | 31.66 | 26.60 | 22.67 | 19.55 |
| 53ДБ3 | 1769.04 | 995.08 | 636.85 | 442.26 | 324.93 | 248.77 | 196.56 | 159.21 | 131.58 | 110.56 | 81.23 | 62.19 | 49.14 | 39.80 | 32.90 | 27.64 | 23.55 | 20.31 |
| 53ДБ4 | 1961.05 | 1103.09 | 705.98 | 490.26 | 360.19 | 275.77 | 217.89 | 176.49 | 145.86 | 122.57 | 90.05 | 68.94 | 54.47 | 44.12 | 36.47 | 30.64 | 26.11 | 22.51 |
| 53ДБ5 | 2113.01 | 1188.57 | 760.68 | 528.25 | 388.10 | 297.14 | 234.78 | 190.17 | 157.17 | 132.06 | 97.03 | 74.29 | 58.69 | 47.54 | 39.29 | 33.02 | 28.13 | 24.26 |
| 53ДБ6 | 2287.50 | 1286.72 | 823.50 | 571.88 | 420.15 | 321.68 | 254.17 | 205.88 | 170.14 | 142.97 | 105.04 | 80.42 | 63.54 | 51.47 | 42.54 | 35.74 | 30.45 | 26.26 |
| 53ДБ7 | 2564.63 | 1442.61 | 923.27 | 641.16 | 471.06 | 360.65 | 284.96 | 230.82 | 190.76 | 160.29 | 117.76 | 90.16 | 71.24 | 57.70 | 47.69 | 40.07 | 34.14 | 29.44 |
| 60ДБ1 | 1594.97 | 897.17 | 574.19 | 398.74 | 292.95 | 224.29 | 177.22 | 143.55 | 118.63 | 99.69 | 73.24 | 56.07 | 44.30 | 35.89 | 29.66 | 24.92 | 21.23 | 18.31 |
| 60ДБ2 | 1829.29 | 1028.98 | 658.54 | 457.32 | 335.99 | 257.24 | 203.25 | 164.64 | 136.06 | 114.33 | 84.00 | 64.31 | 50.81 | 41.16 | 34.02 | 28.58 | 24.35 | 21.00 |
| 60ДБ3 | 2161.15 | 1215.65 | 778.01 | 540.29 | 396.95 | 303.91 | 240.13 | 194.50 | 160.75 | 135.07 | 99.24 | 75.98 | 60.03 | 48.63 | 40.19 | 33.77 | 28.77 | 24.81 |
| 60ДБ4 | 2457.51 | 1382.35 | 884.71 | 614.38 | 451.38 | 345.59 | 273.06 | 221.18 | 182.79 | 153.59 | 112.85 | 86.40 | 68.26 | 55.29 | 45.70 | 38.40 | 32.72 | 28.21 |
| 60ДБ5 | 2747.90 | 1545.70 | 989.25 | 686.98 | 504.72 | 386.42 | 305.32 | 247.31 | 204.39 | 171.74 | 126.18 | 96.61 | 76.33 | 61.83 | 51.10 | 42.94 | 36.58 | 31.54 |
| 60ДБ6 | 2968.21 | 1669.62 | 1068.55 | 742.05 | 545.18 | 417.40 | 329.80 | 267.14 | 220.78 | 185.51 | 136.30 | 104.35 | 82.45 | 66.78 | 55.19 | 46.38 | 39.52 | 34.07 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 64.89 | 36.50 | 23.36 | 16.22 | 11.92 | 9.13 | 7.21 | 5.84 | 4.83 | 4.06 | 2.98 | 2.28 | 1.80 | 1.46 | 1.21 | 1.01 | 0.86 | 0.74 |
| 10ДК2 | 80.00 | 45.00 | 28.80 | 20.00 | 14.69 | 11.25 | 8.89 | 7.20 | 5.95 | 5.00 | 3.67 | 2.81 | 2.22 | 1.80 | 1.49 | 1.25 | 1.07 | 0.92 |
| 10ДК3 | 162.13 | 91.20 | 58.37 | 40.53 | 29.78 | 22.80 | 18.01 | 14.59 | 12.06 | 10.13 | 7.44 | 5.70 | 4.50 | 3.65 | 3.01 | 2.53 | 2.16 | 1.86 |
| 12ДК1 | 94.22 | 53.00 | 33.92 | 23.56 | 17.31 | 13.25 | 10.47 | 8.48 | 7.01 | 5.89 | 4.33 | 3.31 | 2.62 | 2.12 | 1.75 | 1.47 | 1.25 | 1.08 |
| 12ДК2 | 122.88 | 69.12 | 44.24 | 30.72 | 22.57 | 17.28 | 13.65 | 11.06 | 9.14 | 7.68 | 5.64 | 4.32 | 3.41 | 2.76 | 2.28 | 1.92 | 1.64 | 1.41 |
| 12ДК3 | 235.52 | 132.48 | 84.79 | 58.88 | 43.26 | 33.12 | 26.17 | 21.20 | 17.52 | 14.72 | 10.81 | 8.28 | 6.54 | 5.30 | 4.38 | 3.68 | 3.14 | 2.70 |
| 14ДК1 | 137.78 | 77.50 | 49.60 | 34.44 | 25.31 | 19.38 | 15.31 | 12.40 | 10.25 | 8.61 | 6.33 | 4.84 | 3.83 | 3.10 | 2.56 | 2.15 | 1.83 | 1.58 |
| 14ДК2 | 184.32 | 103.68 | 66.36 | 46.08 | 33.85 | 25.92 | 20.48 | 16.59 | 13.71 | 11.52 | 8.46 | 6.48 | 5.12 | 4.15 | 3.43 | 2.88 | 2.45 | 2.12 |
| 14ДК3 | 336.11 | 189.06 | 121.00 | 84.03 | 61.73 | 47.27 | 37.35 | 30.25 | 25.00 | 21.01 | 15.43 | 11.82 | 9.34 | 7.56 | 6.25 | 5.25 | 4.47 | 3.86 |
| 15ДК1 | 141.87 | 79.80 | 51.07 | 35.47 | 26.06 | 19.95 | 15.76 | 12.77 | 10.55 | 8.87 | 6.51 | 4.99 | 3.94 | 3.19 | 2.64 | 2.22 | 1.89 | 1.63 |
| 15ДК2 | 195.02 | 109.70 | 70.21 | 48.76 | 35.82 | 27.43 | 21.67 | 17.55 | 14.51 | 12.19 | 8.96 | 6.86 | 5.42 | 4.39 | 3.63 | 3.05 | 2.60 | 2.24 |
| 15ДК3 | 234.67 | 132.00 | 84.48 | 58.67 | 43.10 | 33.00 | 26.07 | 21.12 | 17.45 | 14.67 | 10.78 | 8.25 | 6.52 | 5.28 | 4.36 | 3.67 | 3.12 | 2.69 |
| 16ДК1 | 195.56 | 110.00 | 70.40 | 48.89 | 35.92 | 27.50 | 21.73 | 17.60 | 14.55 | 12.22 | 8.98 | 6.88 | 5.43 | 4.40 | 3.64 | 3.06 | 2.60 | 2.24 |
| 16ДК2 | 265.39 | 149.28 | 95.54 | 66.35 | 48.74 | 37.32 | 29.49 | 23.88 | 19.74 | 16.59 | 12.19 | 9.33 | 7.37 | 5.97 | 4.93 | 4.15 | 3.53 | 3.05 |
| 16ДК3 | 462.86 | 260.36 | 166.63 | 115.72 | 85.02 | 65.09 | 51.43 | 41.66 | 34.43 | 28.93 | 21.25 | 16.27 | 12.86 | 10.41 | 8.61 | 7.23 | 6.16 | 5.31 |
| 18ДК1 | 261.33 | 147.00 | 94.08 | 65.33 | 48.00 | 36.75 | 29.04 | 23.52 | 19.44 | 16.33 | 12.00 | 9.19 | 7.26 | 5.88 | 4.86 | 4.08 | 3.48 | 3.00 |
| 18ДК2 | 362.67 | 204.00 | 130.56 | 90.67 | 66.61 | 51.00 | 40.30 | 32.64 | 26.98 | 22.67 | 16.65 | 12.75 | 10.07 | 8.16 | 6.74 | 5.67 | 4.83 | 4.16 |
| 18ДК3 | 611.70 | 344.08 | 220.21 | 152.92 | 112.35 | 86.02 | 67.97 | 55.05 | 45.50 | 38.23 | 28.09 | 21.51 | 16.99 | 13.76 | 11.37 | 9.56 | 8.14 | 7.02 |
| 20ДК1 | 382.21 | 214.99 | 137.59 | 95.55 | 70.20 | 53.75 | 42.47 | 34.40 | 28.43 | 23.89 | 17.55 | 13.44 | 10.62 | 8.60 | 7.11 | 5.97 | 5.09 | 4.39 |
| 20ДК2 | 436.82 | 245.71 | 157.26 | 109.21 | 80.23 | 61.43 | 48.54 | 39.31 | 32.49 | 27.30 | 20.06 | 15.36 | 12.13 | 9.83 | 8.12 | 6.83 | 5.82 | 5.01 |
| 20ДК3 | 496.90 | 279.50 | 178.88 | 124.22 | 91.27 | 69.88 | 55.21 | 44.72 | 36.96 | 31.06 | 22.82 | 17.47 | 13.80 | 11.18 | 9.24 | 7.76 | 6.62 | 5.70 |
| 20ДК4 | 605.44 | 340.56 | 217.96 | 151.36 | 111.20 | 85.14 | 67.27 | 54.49 | 45.03 | 37.84 | 27.80 | 21.29 | 16.82 | 13.62 | 11.26 | 9.46 | 8.06 | 6.95 |
| 20ДК5 | 697.81 | 392.52 | 251.21 | 174.45 | 128.17 | 98.13 | 77.53 | 62.80 | 51.90 | 43.61 | 32.04 | 24.53 | 19.38 | 15.70 | 12.98 | 10.90 | 9.29 | 8.01 |
| 20ДК6 | 809.11 | 455.12 | 291.28 | 202.28 | 148.61 | 113.78 | 89.90 | 72.82 | 60.18 | 50.57 | 37.15 | 28.45 | 22.48 | 18.20 | 15.05 | 12.64 | 10.77 | 9.29 |
| 25ДК1 | 760.49 | 427.78 | 273.78 | 190.12 | 139.68 | 106.94 | 84.50 | 68.44 | 56.57 | 47.53 | 34.92 | 26.74 | 21.12 | 17.11 | 14.14 | 11.88 | 10.12 | 8.73 |
| 25ДК2 | 837.80 | 471.26 | 301.61 | 209.45 | 153.88 | 117.82 | 93.09 | 75.40 | 62.32 | 52.36 | 38.47 | 29.45 | 23.27 | 18.85 | 15.58 | 13.09 | 11.15 | 9.62 |
| 25ДК3 | 935.68 | 526.32 | 336.84 | 233.92 | 171.86 | 131.58 | 103.96 | 84.21 | 69.60 | 58.48 | 42.96 | 32.90 | 25.99 | 21.05 | 17.40 | 14.62 | 12.46 | 10.74 |
| 25ДК4 | 1058.22 | 595.25 | 380.96 | 264.55 | 194.37 | 148.81 | 117.58 | 95.24 | 78.71 | 66.14 | 48.59 | 37.20 | 29.39 | 23.81 | 19.68 | 16.53 | 14.09 | 12.15 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



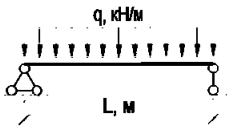



Таблица 6.4.1

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 41,95 | 23,60 | 15,10 | 10,49 | 7,71 | 5,90 | 4,66 | 3,78 | 3,12 | 2,62 | 1,93 | 1,47 | 1,17 | 0,94 | 0,78 | 0,66 | 0,56 | 0,48 |
| 12Б1 | 53,73 | 30,22 | 19,34 | 13,43 | 9,87 | 7,56 | 5,97 | 4,84 | 4,00 | 3,36 | 2,47 | 1,89 | 1,49 | 1,21 | 1,00 | 0,84 | 0,72 | 0,62 |
| 12Б2 | 65,01 | 36,57 | 23,40 | 16,25 | 11,94 | 9,14 | 7,22 | 5,85 | 4,84 | 4,06 | 2,99 | 2,29 | 1,81 | 1,46 | 1,21 | 1,02 | 0,87 | 0,75 |
| 14Б1 | 77,65 | 43,68 | 27,95 | 19,41 | 14,26 | 10,92 | 8,63 | 6,99 | 5,78 | 4,85 | 3,57 | 2,73 | 2,16 | 1,75 | 1,44 | 1,21 | 1,03 | 0,89 |
| 14Б2 | 94,82 | 53,34 | 34,14 | 23,71 | 17,42 | 13,33 | 10,54 | 8,53 | 7,05 | 5,93 | 4,35 | 3,33 | 2,63 | 2,13 | 1,76 | 1,48 | 1,26 | 1,09 |
| 16Б1 | 107,70 | 60,58 | 38,77 | 26,93 | 19,78 | 15,15 | 11,97 | 9,69 | 8,01 | 6,73 | 4,95 | 3,79 | 2,99 | 2,42 | 2,00 | 1,68 | 1,43 | 1,24 |
| 16Б2 | 133,34 | 75,00 | 48,00 | 33,33 | 24,49 | 18,75 | 14,82 | 12,00 | 9,92 | 8,33 | 6,12 | 4,69 | 3,70 | 3,00 | 2,48 | 2,08 | 1,78 | 1,53 |
| 18Б1 | 147,32 | 82,87 | 53,04 | 36,83 | 27,06 | 20,72 | 16,37 | 13,26 | 10,96 | 9,21 | 6,76 | 5,18 | 4,09 | 3,31 | 2,74 | 2,30 | 1,96 | 1,69 |
| 18Б2 | 179,46 | 100,95 | 64,61 | 44,87 | 32,96 | 25,24 | 19,94 | 16,15 | 13,35 | 11,22 | 8,24 | 6,31 | 4,99 | 4,04 | 3,34 | 2,80 | 2,39 | 2,06 |
| 20Б0 | 196,27 | 110,40 | 70,66 | 49,07 | 36,05 | 27,60 | 21,81 | 17,66 | 14,60 | 12,27 | 9,01 | 6,90 | 5,45 | 4,42 | 3,65 | 3,07 | 2,61 | 2,25 |
| 20Б1 | 225,71 | 126,96 | 81,25 | 56,43 | 41,46 | 31,74 | 25,08 | 20,31 | 16,79 | 14,11 | 10,36 | 7,94 | 6,27 | 5,08 | 4,20 | 3,53 | 3,00 | 2,59 |
| 20Б2 | 268,64 | 151,11 | 96,71 | 67,16 | 49,34 | 37,78 | 29,85 | 24,18 | 19,98 | 16,79 | 12,34 | 9,44 | 7,46 | 6,04 | 5,00 | 4,20 | 3,58 | 3,08 |
| 20Б3 | 336,11 | 189,06 | 121,00 | 84,03 | 61,73 | 47,27 | 37,35 | 30,25 | 25,00 | 21,01 | 15,43 | 11,82 | 9,34 | 7,56 | 6,25 | 5,25 | 4,47 | 3,86 |
| 25Б1 | 349,60 | 196,65 | 125,86 | 87,40 | 64,21 | 49,16 | 38,84 | 31,46 | 26,00 | 21,85 | 16,05 | 12,29 | 9,71 | 7,87 | 6,50 | 5,46 | 4,65 | 4,01 |
| 25Б2 | 397,44 | 223,56 | 143,08 | 99,36 | 73,00 | 55,89 | 44,16 | 35,77 | 29,56 | 24,84 | 18,25 | 13,97 | 11,04 | 8,94 | 7,39 | 6,21 | 5,29 | 4,56 |
| 25Б3 | 504,16 | 283,59 | 181,50 | 126,04 | 92,60 | 70,90 | 56,02 | 45,37 | 37,50 | 31,51 | 23,15 | 17,72 | 14,00 | 11,34 | 9,37 | 7,88 | 6,71 | 5,79 |
| 25Б4 | 612,11 | 344,31 | 220,36 | 153,03 | 112,43 | 86,08 | 68,01 | 55,09 | 45,53 | 38,26 | 28,11 | 21,52 | 17,00 | 13,77 | 11,38 | 9,56 | 8,15 | 7,03 |
| 30Б1 | 520,11 | 292,56 | 187,24 | 130,03 | 95,53 | 73,14 | 57,79 | 46,81 | 38,69 | 32,51 | 23,88 | 18,29 | 14,45 | 11,70 | 9,67 | 8,13 | 6,92 | 5,97 |
| 30Б2 | 590,03 | 331,89 | 212,41 | 147,51 | 108,37 | 82,97 | 65,56 | 53,10 | 43,89 | 36,88 | 27,09 | 20,74 | 16,39 | 13,28 | 10,97 | 9,22 | 7,86 | 6,77 |
| 30Б3 | 744,59 | 418,83 | 268,05 | 186,15 | 136,76 | 104,71 | 82,73 | 67,01 | 55,38 | 46,54 | 34,19 | 26,18 | 20,68 | 16,75 | 13,85 | 11,63 | 9,91 | 8,55 |
| 30Б4 | 900,37 | 506,46 | 324,13 | 225,09 | 165,37 | 126,62 | 100,04 | 81,03 | 66,97 | 56,27 | 41,34 | 31,65 | 25,01 | 20,26 | 16,74 | 14,07 | 11,99 | 10,34 |
| 35Б1 | 786,29 | 442,29 | 283,07 | 196,57 | 144,42 | 110,57 | 87,37 | 70,77 | 58,48 | 49,14 | 36,11 | 27,64 | 21,84 | 17,69 | 14,62 | 12,29 | 10,47 | 9,03 |
| 35Б2 | 950,67 | 534,75 | 342,24 | 237,67 | 174,61 | 133,69 | 105,63 | 85,56 | 70,71 | 59,42 | 43,65 | 33,42 | 26,41 | 21,39 | 17,68 | 14,85 | 12,66 | 10,91 |
| 35Б3 | 1160,43 | 652,74 | 417,75 | 290,11 | 213,14 | 163,19 | 128,94 | 104,44 | 86,31 | 72,53 | 53,28 | 40,80 | 32,23 | 26,11 | 21,58 | 18,13 | 15,45 | 13,32 |
| 35Б4 | 1408,21 | 792,12 | 506,96 | 352,05 | 258,65 | 198,03 | 156,47 | 126,74 | 104,74 | 88,01 | 64,66 | 49,51 | 39,12 | 31,68 | 26,19 | 22,00 | 18,75 | 16,17 |
| 40Б1 | 1240,16 | 697,59 | 446,46 | 310,04 | 227,78 | 174,40 | 137,80 | 111,61 | 92,24 | 77,51 | 56,95 | 43,60 | 34,45 | 27,90 | 23,06 | 19,38 | 16,51 | 14,24 |
| 40Б2 | 1453,60 | 817,65 | 523,30 | 363,40 | 266,99 | 204,41 | 161,51 | 130,82 | 108,12 | 90,85 | 66,75 | 51,10 | 40,38 | 32,71 | 27,03 | 22,71 | 19,35 | 16,69 |
| 40Б3 | 1773,76 | 997,74 | 638,55 | 443,44 | 325,79 | 249,44 | 197,08 | 159,64 | 131,93 | 110,86 | 81,45 | 62,36 | 49,27 | 39,91 | 32,98 | 27,72 | 23,62 | 20,36 |
| 40Б4 | 2096,37 | 1179,21 | 754,69 | 524,09 | 385,05 | 294,80 | 232,93 | 188,67 | 155,93 | 131,02 | 96,26 | 73,70 | 58,23 | 47,17 | 38,98 | 32,76 | 27,91 | 24,07 |
| 45Б1 | 1578,72 | 888,03 | 568,34 | 394,68 | 289,97 | 222,01 | 175,41 | 142,08 | 117,43 | 98,67 | 72,49 | 55,50 | 43,85 | 35,52 | 29,36 | 24,67 | 21,02 | 18,12 |
| 45Б2 | 1824,05 | 1026,03 | 656,66 | 456,01 | 335,03 | 256,51 | 202,67 | 164,16 | 135,67 | 114,00 | 83,76 | 64,13 | 50,67 | 41,04 | 33,92 | 28,50 | 24,28 | 20,94 |
| 45Б3 | 2190,83 | 1232,34 | 788,70 | 547,71 | 402,40 | 308,09 | 243,43 | 197,17 | 162,95 | 136,93 | 100,60 | 77,02 | 60,86 | 49,29 | 40,74 | 34,23 | 29,17 | 25,15 |
| 45Б4 | 2560,05 | 1440,03 | 921,62 | 640,01 | 470,21 | 360,01 | 284,45 | 230,40 | 190,42 | 160,00 | 117,55 | 90,00 | 71,11 | 57,60 | 47,60 | 40,00 | 34,08 | 29,39 |
| 50Б1 | 1837,55 | 1033,62 | 661,52 | 459,39 | 337,51 | 258,41 | 204,17 | 165,38 | 136,68 | 114,85 | 84,38 | 64,60 | 51,04 | 41,34 | 34,17 | 28,71 | 24,46 | 21,09 |
| 50Б2 | 2070,61 | 1164,72 | 745,42 | 517,65 | 380,32 | 291,18 | 230,07 | 186,36 | 154,01 | 129,41 | 95,08 | 72,80 | 57,52 | 46,59 | 38,50 | 32,35 | 27,57 | 23,77 |
| 50Б3 | 2347,84 | 1320,66 | 845,22 | 586,96 | 431,24 | 330,17 | 260,87 | 211,31 | 174,63 | 146,74 | 107,81 | 82,54 | 65,22 | 52,83 | 43,66 | 36,69 | 31,26 | 26,95 |
| 50Б4 | 2894,93 | 1628,40 | 1042,18 | 723,73 | 531,72 | 407,10 | 321,66 | 260,54 | 215,33 | 180,93 | 132,93 | 101,78 | 80,41 | 65,14 | 53,83 | 45,23 | 38,54 | 33,23 |
| 50Б5 | 3386,33 | 1904,81 | 1219,08 | 846,58 | 621,98 | 476,20 | 376,26 | 304,77 | 251,88 | 211,65 | 155,49 | 119,05 | 94,06 | 76,19 | 62,97 | 52,91 | 45,08 | 38,87 |
| 55Б1 | 2515,89 | 1415,19 | 905,72 | 628,97 | 462,10 | 353,80 | 279,54 | 226,43 | 187,13 | 157,24 | 115,53 | 88,45 | 69,89 | 56,61 | 46,78 | 39,31 | 33,50 | 28,88 |
| 55Б2 | 2816,43 | 1584,24 | 1013,91 | 704,11 | 517,30 | 396,06 | 312,94 | 253,48 | 209,49 | 176,03 | 129,33 | 99,02 | 78,23 | 63,37 | 52,37 | 44,01 | 37,50 | 32,33 |
| 55Б3 | 3341,44 | 1879,56 | 1202,92 | 835,36 | 613,73 | 469,89 | 371,27 | 300,73 | 248,54 | 208,84 | 153,43 | 117,47 | 92,82 | 75,18 | 62,13 | 52,21 | 44,49 | 38,36 |
| 55Б4 | 3824,66 | 2151,37 | 1376,88 | 956,16 | 702,49 | 537,84 | 424,96 | 344,22 | 284,48 | 239,04 | 175,62 | 134,46 | 106,24 | 86,05 | 71,12 | 59,76 | 50,92 | 43,91 |
| 60Б1 | 2828,69 | 1591,14 | 1018,33 | 707,17 | 519,56 | 397,79 | 314,30 | 254,58 | 210,40 | 176,79 | 129,89 | 99,45 | 78,57 | 63,65 | 52,60 | 44,20 | 37,66 | 32,47 |
| 60Б2 | 3174,61 | 1785,72 | 1142,86 | 793,65 | 583,09 | 446,43 | 352,73 | 285,72 | 236,13 | 198,41 | 145,77 | 111,61 | 88,18 | 71,43 | 59,03 | 49,60 | 42,27 | 36,44 |
| 60Б3 | 3553,65 | 1998,93 | 1279,32 | 888,41 | 652,71 | 499,73 | 394,85 | 319,83 | 264,32 | 222,10 | 163,18 | 124,93 | 98,71 | 79,96 | 66,08 | 55,53 | 47,31 | 40,79 |
| 60Б4 | 4146,26 | 2332,27 | 1492,65 | 1036,56 | 761,56 | 583,07 | 460,70 | 373,16 | 308,40 | 259,14 | 190,39 | 145,77 | 115,17 | 93,29 | 77,10 | 64,79 | 55,20 | 47,60 |
| 70Б1 | 4471,20 | 2515,05 | 1609,63 | 1117,80 | 821,24 | 628,76 | 496,80 | 402,41 | 332,57 | 279,45 | 205,31 | 157,19 | 124,20 | 100,60 | 83,14 | 69,86 | 59,53 | 51,33 |
| 70Б2 | 5177,76 | 2912,49 | 1863,99 | 1294,44 | 951,02 | 728,12 | 575,31 | 466,00 | 385,12 | 323,61 | 237,75 | 182,03 | 143,83 | 116,50 | 96,28 | 80,90 | 68,93 | 59,44 |
| 70Б3 | 5670,88 | 3189,87 | 2041,52 | 1417,72 | 1041,59 | 797,47 | 630,10 | 510,38 | 421,80 | 354,43 | 260,40 | 199,37 | 157,52 | 127,59 | 105,45 | 88,61 | 75,50 | 65,10 |
| 70Б4 | 6700,00 | 3768,75 | 2412,00 | 1675,00 | 1230,61 | 942,19 | 744,44 | 603,00 | 498,35 | 418,75 | 307,65 | 235,55 | 186,11 | 150,75 | 124,59 | 104,69 | 89,20 | 76,91 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

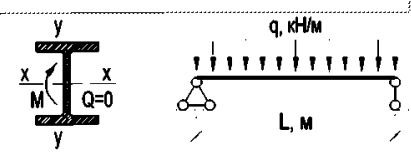


Таблица 6.4.1

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 20Ш0 | 268,52 | 151,04 | 96,67 | 67,13 | 49,32 | 37,76 | 29,84 | 24,17 | 19,97 | 16,78 | 12,33 | 9,44 | 7,46 | 6,04 | 4,99 | 4,20 | 3,57 | 3,08 |
| 20Ш1 | 340,15 | 191,34 | 122,46 | 85,04 | 62,48 | 47,83 | 37,79 | 30,61 | 25,30 | 21,26 | 15,62 | 11,96 | 9,45 | 7,65 | 6,33 | 5,31 | 4,53 | 3,90 |
| 20Ш2 | 431,79 | 242,88 | 155,44 | 107,95 | 79,31 | 60,72 | 47,98 | 38,86 | 32,12 | 26,99 | 19,83 | 15,18 | 11,99 | 9,72 | 8,03 | 6,75 | 5,75 | 4,96 |
| 20Ш3 | 524,65 | 295,11 | 188,87 | 131,16 | 96,36 | 73,78 | 58,29 | 47,22 | 39,02 | 32,79 | 24,09 | 18,44 | 14,57 | 11,80 | 9,76 | 8,20 | 6,98 | 6,02 |
| 20Ш4 | 662,40 | 372,60 | 238,46 | 165,60 | 121,67 | 93,15 | 73,60 | 59,62 | 49,27 | 41,40 | 30,42 | 23,29 | 18,40 | 14,90 | 12,32 | 10,35 | 8,82 | 7,60 |
| 20Ш5 | 777,80 | 437,51 | 280,01 | 194,45 | 142,86 | 109,38 | 86,42 | 70,00 | 57,85 | 48,61 | 35,72 | 27,34 | 21,61 | 17,50 | 14,46 | 12,15 | 10,36 | 8,93 |
| 20Ш6 | 973,02 | 547,32 | 350,29 | 243,25 | 178,72 | 136,83 | 108,11 | 87,57 | 72,37 | 60,81 | 44,68 | 34,21 | 27,03 | 21,89 | 18,09 | 15,20 | 12,95 | 11,17 |
| 25Ш0 | 509,19 | 286,42 | 183,31 | 127,30 | 93,52 | 71,60 | 56,58 | 45,83 | 37,87 | 31,82 | 23,38 | 17,90 | 14,14 | 11,46 | 9,47 | 7,96 | 6,78 | 5,85 |
| 25Ш1 | 615,54 | 346,24 | 221,59 | 153,89 | 113,06 | 86,56 | 68,39 | 55,40 | 45,78 | 38,47 | 28,26 | 21,64 | 17,10 | 13,85 | 11,45 | 9,62 | 8,20 | 7,07 |
| 25Ш2 | 751,21 | 422,56 | 270,44 | 187,80 | 137,98 | 105,64 | 83,47 | 67,61 | 55,88 | 46,95 | 34,49 | 26,41 | 20,87 | 16,90 | 13,97 | 11,74 | 10,00 | 8,62 |
| 25Ш3 | 941,10 | 529,37 | 338,80 | 235,27 | 172,85 | 132,34 | 104,57 | 84,70 | 70,00 | 58,82 | 43,21 | 33,09 | 26,14 | 21,17 | 17,50 | 14,70 | 12,53 | 10,80 |
| 25Ш4 | 1150,61 | 647,22 | 414,22 | 287,65 | 211,34 | 161,81 | 127,85 | 103,56 | 85,58 | 71,91 | 52,83 | 40,45 | 31,96 | 25,89 | 21,40 | 17,98 | 15,32 | 13,21 |
| 25Ш5 | 1432,67 | 805,88 | 515,76 | 358,17 | 263,14 | 201,47 | 159,19 | 128,94 | 106,56 | 89,54 | 65,79 | 50,37 | 39,80 | 32,24 | 26,64 | 22,39 | 19,07 | 16,45 |
| 25Ш6 | 1773,21 | 997,43 | 638,35 | 443,30 | 325,69 | 249,36 | 197,02 | 159,59 | 131,89 | 110,83 | 81,42 | 62,34 | 49,26 | 39,90 | 32,97 | 27,71 | 23,61 | 20,36 |
| 30Ш0 | 797,82 | 448,78 | 287,22 | 199,46 | 146,54 | 112,19 | 88,65 | 71,80 | 59,34 | 49,86 | 36,63 | 28,05 | 22,16 | 17,95 | 14,84 | 12,47 | 10,62 | 9,16 |
| 30Ш1 | 946,25 | 532,27 | 340,65 | 236,56 | 173,80 | 133,07 | 105,14 | 85,16 | 70,38 | 59,14 | 43,45 | 33,27 | 26,28 | 21,29 | 17,60 | 14,79 | 12,60 | 10,86 |
| 30Ш2 | 1162,14 | 653,71 | 418,37 | 290,54 | 213,46 | 163,43 | 129,13 | 104,59 | 86,44 | 72,63 | 53,36 | 40,86 | 32,28 | 26,15 | 21,61 | 18,16 | 15,47 | 13,34 |
| 30Ш3 | 1399,50 | 787,22 | 503,82 | 349,88 | 257,05 | 196,81 | 155,50 | 125,96 | 104,10 | 87,47 | 64,26 | 49,20 | 38,88 | 31,49 | 26,02 | 21,87 | 18,63 | 16,07 |
| 30Ш4 | 1666,60 | 937,46 | 599,98 | 416,65 | 306,11 | 234,37 | 185,18 | 149,99 | 123,96 | 104,16 | 76,53 | 58,59 | 46,29 | 37,50 | 30,99 | 26,04 | 22,19 | 19,13 |
| 30Ш5 | 2121,96 | 1193,61 | 763,91 | 530,49 | 389,75 | 298,40 | 235,77 | 190,98 | 157,83 | 132,62 | 97,44 | 74,60 | 58,94 | 47,74 | 39,46 | 33,16 | 28,25 | 24,36 |
| 30Ш6 | 2738,60 | 1540,46 | 985,90 | 684,65 | 503,01 | 385,12 | 304,29 | 246,47 | 203,70 | 171,16 | 125,75 | 96,28 | 76,07 | 61,62 | 50,92 | 42,79 | 36,46 | 31,44 |
| 35Ш1 | 1256,60 | 706,84 | 452,38 | 314,15 | 230,80 | 176,71 | 139,62 | 113,09 | 93,47 | 78,54 | 57,70 | 44,18 | 34,91 | 28,27 | 23,37 | 19,63 | 16,73 | 14,43 |
| 35Ш2 | 1564,25 | 879,89 | 563,13 | 391,06 | 287,31 | 219,97 | 173,81 | 140,78 | 116,35 | 97,77 | 71,83 | 54,99 | 43,45 | 35,20 | 29,09 | 24,44 | 20,83 | 17,96 |
| 35Ш3 | 1946,84 | 1095,10 | 700,86 | 486,71 | 357,58 | 273,77 | 216,32 | 175,22 | 144,81 | 121,68 | 89,40 | 68,44 | 54,08 | 43,80 | 36,20 | 30,42 | 25,92 | 22,35 |
| 35Ш4 | 2267,40 | 1275,41 | 816,26 | 566,85 | 416,46 | 318,85 | 251,93 | 204,07 | 168,65 | 141,71 | 104,12 | 79,71 | 62,98 | 51,02 | 42,16 | 35,43 | 30,19 | 26,03 |
| 35Ш5 | 2829,37 | 1591,52 | 1018,57 | 707,34 | 519,68 | 397,88 | 314,37 | 254,64 | 210,45 | 176,84 | 129,92 | 99,47 | 78,59 | 63,66 | 52,61 | 44,21 | 37,67 | 32,48 |
| 35Ш6 | 3482,69 | 1959,01 | 1253,77 | 870,67 | 639,68 | 489,75 | 386,97 | 313,44 | 259,04 | 217,67 | 159,92 | 122,44 | 96,74 | 78,36 | 64,76 | 54,42 | 46,37 | 39,98 |
| 35Ш7 | 4364,35 | 2454,95 | 1571,17 | 1091,09 | 801,62 | 613,74 | 484,93 | 392,79 | 324,62 | 272,77 | 200,40 | 153,43 | 121,23 | 98,20 | 81,16 | 68,19 | 58,11 | 50,10 |
| 40Ш1 | 1957,27 | 1100,96 | 704,62 | 489,32 | 359,50 | 275,24 | 217,47 | 176,15 | 145,58 | 122,33 | 89,87 | 68,81 | 54,37 | 44,04 | 36,40 | 30,58 | 26,06 | 22,47 |
| 40Ш2 | 2432,97 | 1368,55 | 875,87 | 608,24 | 446,87 | 342,14 | 270,33 | 218,97 | 180,96 | 152,06 | 111,72 | 85,53 | 67,58 | 54,74 | 45,24 | 38,02 | 32,39 | 27,93 |
| 40Ш3 | 2956,88 | 1663,25 | 1064,48 | 739,22 | 543,10 | 415,81 | 328,54 | 266,12 | 219,93 | 184,81 | 135,78 | 103,95 | 82,14 | 66,53 | 54,98 | 46,20 | 39,37 | 33,94 |
| 40Ш4 | 3526,88 | 1983,87 | 1269,68 | 881,72 | 647,79 | 495,97 | 391,88 | 317,42 | 262,33 | 220,43 | 161,95 | 123,99 | 97,97 | 79,35 | 65,58 | 55,11 | 46,96 | 40,49 |
| 40Ш5 | 4437,84 | 2496,29 | 1597,62 | 1109,46 | 815,11 | 624,07 | 493,09 | 399,41 | 330,09 | 277,37 | 203,78 | 156,02 | 123,27 | 99,85 | 82,52 | 69,34 | 59,08 | 50,94 |
| 40Ш6 | 5342,49 | 3005,15 | 1923,30 | 1335,62 | 981,27 | 751,29 | 593,61 | 480,82 | 397,38 | 333,91 | 245,32 | 187,82 | 148,40 | 120,21 | 99,34 | 83,48 | 71,13 | 61,33 |
| 40Ш7 | 6350,12 | 3571,95 | 2286,04 | 1587,53 | 1166,35 | 892,99 | 705,57 | 571,51 | 472,32 | 396,88 | 291,59 | 223,25 | 176,39 | 142,88 | 118,08 | 99,22 | 84,54 | 72,90 |
| 45Ш0 | 2645,31 | 1487,99 | 952,31 | 661,33 | 485,87 | 372,00 | 293,92 | 238,08 | 196,76 | 165,33 | 121,47 | 93,00 | 73,48 | 59,52 | 49,19 | 41,33 | 35,22 | 30,37 |
| 45Ш1 | 3126,41 | 1758,60 | 1125,51 | 781,60 | 574,24 | 439,65 | 347,38 | 281,38 | 232,54 | 195,40 | 143,56 | 109,91 | 86,84 | 70,34 | 58,14 | 48,85 | 41,62 | 35,89 |
| 45Ш2 | 3545,70 | 1994,46 | 1276,45 | 886,42 | 651,25 | 498,61 | 393,97 | 319,11 | 263,73 | 221,61 | 162,81 | 124,65 | 98,49 | 79,78 | 65,93 | 55,40 | 47,21 | 40,70 |
| 45Ш3 | 4060,97 | 2284,30 | 1461,95 | 1015,24 | 745,89 | 571,07 | 451,22 | 365,49 | 302,06 | 253,81 | 186,47 | 142,77 | 112,80 | 91,37 | 75,51 | 63,45 | 54,07 | 46,62 |
| 45Ш4 | 5081,04 | 2858,09 | 1829,18 | 1270,26 | 933,25 | 714,52 | 564,56 | 457,29 | 377,93 | 317,57 | 233,31 | 178,63 | 141,14 | 114,32 | 94,48 | 79,39 | 67,65 | 58,33 |
| 45Ш5 | 6091,94 | 3426,72 | 2193,10 | 1522,98 | 1118,93 | 856,68 | 676,88 | 548,27 | 453,12 | 380,75 | 279,73 | 214,17 | 169,22 | 137,07 | 113,28 | 95,19 | 81,11 | 69,93 |
| 45Ш6 | 7227,31 | 4065,36 | 2601,83 | 1806,83 | 1327,46 | 1016,34 | 803,03 | 650,46 | 537,57 | 451,71 | 331,87 | 254,09 | 200,76 | 162,61 | 134,39 | 112,93 | 96,22 | 82,97 |
| 50Ш1 | 3072,80 | 1728,45 | 1106,21 | 768,20 | 564,39 | 432,11 | 341,42 | 276,55 | 228,56 | 192,05 | 141,10 | 108,03 | 85,36 | 69,14 | 57,14 | 48,01 | 40,91 | 35,27 |
| 50Ш2 | 3620,38 | 2036,47 | 1303,34 | 905,10 | 664,97 | 509,12 | 402,26 | 325,83 | 269,28 | 226,27 | 166,24 | 127,28 | 100,57 | 81,46 | 67,32 | 56,57 | 48,20 | 41,56 |
| 50Ш3 | 4031,91 | 2267,95 | 1451,49 | 1007,98 | 740,56 | 566,99 | 447,99 | 362,87 | 299,89 | 251,99 | 185,14 | 141,75 | 112,00 | 90,72 | 74,97 | 63,00 | 53,68 | 46,28 |
| 50Ш4 | 4548,73 | 2558,66 | 1637,54 | 1137,18 | 835,48 | 639,67 | 505,41 | 409,39 | 338,34 | 284,30 | 208,87 | 159,92 | 126,35 | 102,35 | 84,58 | 71,07 | 60,56 | 52,22 |
| 50Ш5 | 5391,09 | 3032,49 | 1940,79 | 1347,77 | 990,20 | 758,12 | 599,01 | 485,20 | 400,99 | 336,94 | 247,55 | 189,53 | 149,75 | 121,30 | 100,25 | 84,24 | 71,77 | 61,89 |
| 50Ш6 | 6449,99 | 3628,12 | 2321,99 | 1612,50 | 1184,69 | 907,03 | 716,67 | 580,50 | 479,75 | 403,12 | 296,17 | 226,76 | 179,17 | 145,12 | 119,94 | 100,78 | 85,87 | 74,04 |
| 50Ш7 | 7800,82 | 4387,96 | 2808,30 | 1950,21 | 1432,80 | 1096,99 | 866,76 | 702,07 | 580,23 | 487,55 | 358,20 | 274,25 | 216,69 | 175,52 | 145,06 | 121,89 | 103,86 | 89,55 |
| 50Ш8 | 9062,44 | 5097,63 | 3262,48 | 2265,61 | 1664,53 | 1274,41 | 1006,94 | 815,62 | 674,07 | 566,40 | 416,13 | 318,60 | 251,73 | 203,91 | 168,52 | 141,60 | 120,65 | 104,03 |
| 60Ш1 | 4329,89 | 2435,56 | 1558,76 | 1082,47 | 795,29 | 608,89 | 481,10 | 389,69 | 322,06 | 270,62 | 198,82 | 152,22 | 120,27 | 97,42 | 80,51 | 67,65 | 57,65 | 49,71 |
| 60Ш2 | 5104,27 | 2871,15 | 1837,54 | 1276,07 | 937,52 | 717,79 | 567,14 | 459,38 | 379,66 | 319,02 | 234,38 | 179,45 | 141,79 | 114,85 | 94,91 | 79,75 | 67,96 | 58,59 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

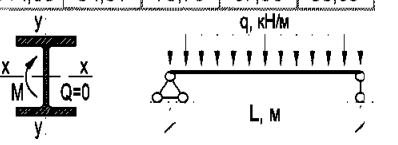


Таблица 6.4.1

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 60Ш3 | 5987,24 | 3367,82 | 2155,41 | 1496,81 | 1099,70 | 841,96 | 665,25 | 538,85 | 445,33 | 374,20 | 274,92 | 210,49 | 166,31 | 134,71 | 111,33 | 93,55 | 79,71 | 68,73 |
| 60Ш4 | 6869,38 | 3864,02 | 2472,98 | 1717,34 | 1261,72 | 966,01 | 763,26 | 618,24 | 510,95 | 429,34 | 315,43 | 241,50 | 190,82 | 154,56 | 127,74 | 107,33 | 91,46 | 78,86 |
| 60Ш5 | 8139,58 | 4578,51 | 2930,25 | 2034,89 | 1495,02 | 1144,63 | 904,40 | 732,56 | 605,42 | 508,72 | 373,76 | 286,16 | 226,10 | 183,14 | 151,36 | 127,18 | 108,37 | 93,44 |
| 60Ш6 | 9767,10 | 5494,00 | 3516,16 | 2441,78 | 1793,96 | 1373,50 | 1085,23 | 879,04 | 726,48 | 610,44 | 448,49 | 343,37 | 271,31 | 219,76 | 181,62 | 152,61 | 130,04 | 112,12 |
| 60Ш7 | 11418,51 | 6422,91 | 4110,66 | 2854,63 | 2097,28 | 1605,73 | 1268,72 | 1027,67 | 849,31 | 713,66 | 524,32 | 401,43 | 317,18 | 256,92 | 212,33 | 178,41 | 152,02 | 131,08 |
| 60Ш8 | 13747,30 | 7732,86 | 4949,03 | 3436,82 | 2525,01 | 1933,21 | 1527,48 | 1237,26 | 1022,53 | 859,21 | 631,25 | 483,30 | 381,87 | 309,31 | 255,63 | 214,80 | 183,03 | 157,81 |
| 70Ш1 | 6113,34 | 3438,75 | 2200,80 | 1528,33 | 1122,86 | 859,69 | 679,26 | 550,20 | 454,71 | 382,08 | 280,71 | 214,92 | 169,81 | 137,55 | 113,68 | 95,52 | 81,39 | 70,18 |
| 70Ш2 | 6784,57 | 3816,32 | 2442,44 | 1696,14 | 1246,15 | 954,08 | 753,84 | 610,61 | 504,64 | 424,04 | 311,54 | 238,52 | 188,46 | 152,65 | 126,16 | 106,01 | 90,33 | 77,88 |
| 70Ш3 | 8054,17 | 4530,47 | 2899,50 | 2013,54 | 1479,34 | 1132,62 | 894,91 | 724,88 | 599,07 | 503,39 | 369,83 | 283,15 | 223,73 | 181,22 | 149,77 | 125,85 | 107,23 | 92,46 |
| 70Ш4 | 9167,03 | 5156,45 | 3300,13 | 2291,76 | 1683,74 | 1289,11 | 1018,56 | 825,03 | 681,85 | 572,94 | 420,94 | 322,28 | 254,64 | 206,26 | 170,46 | 143,23 | 122,05 | 105,23 |
| 70Ш5 | 10507,86 | 5910,67 | 3782,83 | 2626,97 | 1930,02 | 1477,67 | 1167,54 | 945,71 | 781,58 | 656,74 | 482,50 | 369,42 | 291,89 | 236,43 | 195,39 | 164,19 | 139,90 | 120,63 |
| 70Ш6 | 12594,63 | 7084,48 | 4534,07 | 3148,66 | 2313,30 | 1771,12 | 1399,40 | 1133,52 | 936,79 | 787,16 | 578,32 | 442,78 | 349,85 | 283,38 | 234,20 | 196,79 | 167,68 | 144,58 |
| 70Ш7 | 15137,43 | 8514,81 | 5449,48 | 3784,36 | 2780,34 | 2128,70 | 1681,94 | 1362,37 | 1125,92 | 946,09 | 695,09 | 532,18 | 420,48 | 340,59 | 281,48 | 236,52 | 201,53 | 173,77 |
| 70Ш8 | 17692,75 | 9952,17 | 6369,39 | 4423,19 | 3249,69 | 2488,04 | 1965,86 | 1592,35 | 1315,99 | 1105,80 | 812,42 | 622,01 | 491,47 | 398,09 | 329,00 | 276,45 | 235,55 | 203,11 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | 228,16 | 128,34 | 82,14 | 57,04 | 41,91 | 32,09 | 25,35 | 20,53 | 16,97 | 14,26 | 10,48 | 8,02 | 6,34 | 5,13 | 4,24 | 3,57 | 3,04 | 2,62 |
| 15К2 | 268,39 | 150,97 | 96,62 | 67,10 | 49,30 | 37,74 | 29,82 | 24,16 | 19,96 | 16,77 | 12,32 | 9,44 | 7,46 | 6,04 | 4,99 | 4,19 | 3,57 | 3,08 |
| 15К3 | 335,13 | 188,51 | 120,65 | 83,78 | 61,55 | 47,13 | 37,24 | 30,16 | 24,93 | 20,95 | 15,39 | 11,78 | 9,31 | 7,54 | 6,23 | 5,24 | 4,46 | 3,85 |
| 15К4 | 403,08 | 226,73 | 145,11 | 100,77 | 74,04 | 56,68 | 44,79 | 36,28 | 29,98 | 25,19 | 18,51 | 14,17 | 11,20 | 9,07 | 7,50 | 6,30 | 5,37 | 4,63 |
| 15К5 | 486,50 | 273,65 | 175,14 | 121,62 | 89,36 | 68,41 | 54,06 | 43,78 | 36,19 | 30,41 | 22,34 | 17,10 | 13,51 | 10,95 | 9,05 | 7,60 | 6,48 | 5,58 |
| 20К1 | 481,47 | 270,83 | 173,33 | 120,37 | 88,43 | 67,71 | 53,50 | 43,33 | 35,81 | 30,09 | 22,11 | 16,93 | 13,37 | 10,83 | 8,95 | 7,52 | 6,41 | 5,53 |
| 20К2 | 578,50 | 325,40 | 208,26 | 144,62 | 106,25 | 81,35 | 64,28 | 52,06 | 43,03 | 36,16 | 26,56 | 20,34 | 16,07 | 13,02 | 10,76 | 9,04 | 7,70 | 6,64 |
| 20К3 | 673,81 | 379,02 | 242,57 | 168,45 | 123,76 | 94,75 | 74,87 | 60,64 | 50,12 | 42,11 | 30,94 | 23,69 | 18,72 | 15,16 | 12,53 | 10,53 | 8,97 | 7,74 |
| 20К4 | 813,40 | 457,54 | 292,82 | 203,35 | 149,40 | 114,38 | 90,38 | 73,21 | 60,50 | 50,84 | 37,35 | 28,60 | 22,59 | 18,30 | 15,13 | 12,71 | 10,83 | 9,34 |
| 20К5 | 913,74 | 513,98 | 328,95 | 228,44 | 167,83 | 128,50 | 101,53 | 82,24 | 67,96 | 57,11 | 41,96 | 32,12 | 25,38 | 20,56 | 16,99 | 14,28 | 12,17 | 10,49 |
| 20К6 | 1027,45 | 577,94 | 369,88 | 256,86 | 188,72 | 144,49 | 114,16 | 92,47 | 76,42 | 64,22 | 47,18 | 36,12 | 28,54 | 23,12 | 19,11 | 16,05 | 13,68 | 11,79 |
| 20К7 | 1173,96 | 660,35 | 422,63 | 293,49 | 215,63 | 165,09 | 130,44 | 105,66 | 87,32 | 73,37 | 53,91 | 41,27 | 32,61 | 26,41 | 21,83 | 18,34 | 15,63 | 13,48 |
| 20К8 | 1361,68 | 765,94 | 490,20 | 340,42 | 250,10 | 191,49 | 151,30 | 122,55 | 101,28 | 85,10 | 62,53 | 47,87 | 37,82 | 30,64 | 25,32 | 21,28 | 18,13 | 15,63 |
| 25К1 | 914,60 | 514,46 | 329,26 | 228,65 | 167,99 | 128,62 | 101,62 | 82,31 | 68,03 | 57,16 | 42,00 | 32,15 | 25,41 | 20,58 | 17,01 | 14,29 | 12,18 | 10,50 |
| 25К2 | 1063,03 | 597,95 | 382,69 | 265,76 | 195,25 | 149,49 | 118,11 | 95,67 | 79,07 | 66,44 | 48,81 | 37,37 | 29,53 | 23,92 | 19,77 | 16,61 | 14,15 | 12,20 |
| 25К3 | 1178,58 | 662,95 | 424,29 | 294,65 | 216,47 | 165,74 | 130,95 | 106,07 | 87,66 | 73,66 | 54,12 | 41,43 | 32,74 | 26,52 | 21,92 | 18,42 | 15,69 | 13,53 |
| 25К4 | 1329,58 | 747,89 | 478,65 | 332,40 | 244,21 | 186,97 | 147,73 | 119,66 | 98,89 | 83,10 | 61,05 | 46,74 | 36,93 | 29,92 | 24,72 | 20,77 | 17,70 | 15,26 |
| 25К5 | 1521,07 | 855,60 | 547,58 | 380,27 | 279,38 | 213,90 | 169,01 | 136,90 | 113,14 | 95,07 | 69,84 | 53,48 | 42,25 | 34,22 | 28,28 | 23,77 | 20,25 | 17,46 |
| 25К6 | 1658,98 | 933,18 | 597,23 | 414,74 | 304,71 | 233,29 | 184,33 | 149,31 | 123,40 | 103,69 | 76,18 | 58,32 | 46,08 | 37,33 | 30,85 | 25,92 | 22,09 | 19,04 |
| 25К7 | 1949,02 | 1096,32 | 701,65 | 487,25 | 357,98 | 274,08 | 216,56 | 175,41 | 144,97 | 121,81 | 89,50 | 68,52 | 54,14 | 43,85 | 36,24 | 30,45 | 25,95 | 22,37 |
| 25К8 | 2218,56 | 1247,94 | 798,68 | 554,64 | 407,49 | 311,99 | 246,51 | 199,67 | 165,02 | 138,66 | 101,87 | 78,00 | 61,63 | 49,92 | 41,25 | 34,67 | 29,54 | 25,47 |
| 25К9 | 2492,16 | 1401,84 | 897,18 | 623,04 | 457,74 | 350,46 | 276,91 | 224,29 | 185,37 | 155,76 | 114,44 | 87,62 | 69,23 | 56,07 | 46,34 | 38,94 | 33,18 | 28,61 |
| 25К10 | 2886,90 | 1623,88 | 1039,28 | 721,72 | 530,25 | 405,97 | 320,77 | 259,82 | 214,73 | 180,43 | 132,56 | 101,49 | 80,19 | 64,96 | 53,68 | 45,11 | 38,44 | 33,14 |
| 30К1 | 1551,86 | 872,92 | 558,67 | 387,96 | 285,03 | 218,23 | 172,43 | 139,67 | 115,43 | 96,99 | 71,26 | 54,56 | 43,11 | 34,92 | 28,86 | 24,25 | 20,66 | 17,81 |
| 30К2 | 1669,13 | 938,88 | 600,89 | 417,28 | 306,57 | 234,72 | 185,46 | 150,22 | 124,15 | 104,32 | 76,64 | 58,68 | 46,36 | 37,56 | 31,04 | 26,08 | 22,22 | 19,16 |
| 30К3 | 1761,13 | 990,63 | 634,01 | 440,28 | 323,47 | 247,66 | 195,68 | 158,50 | 130,99 | 110,07 | 80,87 | 61,91 | 48,92 | 39,63 | 32,75 | 27,52 | 23,45 | 20,22 |
| 30К4 | 1886,86 | 1061,36 | 679,27 | 471,71 | 346,57 | 265,34 | 209,65 | 169,82 | 140,34 | 117,93 | 86,64 | 66,33 | 52,41 | 42,45 | 35,09 | 29,48 | 25,12 | 21,66 |
| 30К5 | 2099,93 | 1181,21 | 755,98 | 524,98 | 385,70 | 295,30 | 233,33 | 188,99 | 156,19 | 131,25 | 96,43 | 73,83 | 58,33 | 47,25 | 39,05 | 32,81 | 27,96 | 24,11 |
| 30К6 | 2253,11 | 1267,37 | 811,12 | 563,28 | 413,84 | 316,84 | 250,35 | 202,78 | 167,59 | 140,82 | 103,46 | 79,21 | 62,59 | 50,69 | 41,90 | 35,20 | 30,00 | 25,86 |
| 30К7 | 2467,62 | 1388,04 | 888,34 | 616,91 | 453,24 | 347,01 | 274,18 | 222,09 | 183,54 | 154,23 | 113,31 | 86,75 | 68,55 | 55,52 | 45,89 | 38,56 | 32,85 | 28,33 |
| 30К8 | 2877,84 | 1618,79 | 1036,02 | 719,46 | 528,58 | 404,70 | 319,76 | 259,01 | 214,05 | 179,87 | 132,15 | 101,17 | 79,94 | 64,75 | 53,51 | 44,97 | 38,31 | 33,04 |
| 30К9 | 3254,00 | 1830,37 | 1171,44 | 813,50 | 597,67 | 457,59 | 361,56 | 292,86 | 242,03 | 203,37 | 149,42 | 114,40 | 90,39 | 73,21 | 60,51 | 50,84 | 43,32 | 37,35 |
| 30К10 | 3639,68 | 2047,32 | 1310,28 | 909,92 | 668,51 | 511,83 | 404,41 | 327,57 | 270,72 | 227,48 | 167,13 | 127,96 | 101,10 | 81,89 | 67,68 | 56,87 | 48,46 | 41,78 |
| 30К11 | 4029,05 | 2266,34 | 1450,46 | 1007,26 | 740,03 | 566,59 | 447,67 | 362,61 | 299,68 | 251,82 | 185,01 | 141,65 | 111,92 | 90,65 | 74,92 | 62,95 | 53,64 | 46,25 |
| 30К12 | 4482,15 | 2521,21 | 1613,57 | 1120,54 | 823,25 | 630,30 | 498,02 | 403,39 | 333,38 | 280,13 | 205,81 | 157,58 | 124,50 | 100,85 | 83,35 | 70,03 | 59,67 | 51,45 |
| 30К13 | 5062,34 | 2847,57 | 1822,44 | 1265,59 | 929,82 | 711,89 | 562,48 | 455,61 | 376,54 | 316,40 | 232,45 | 177,97 | 140,62 | 113,90 | 94,13 | 79,10 | 67,40 | 58,11 |
| 30К14 | 5423,48 | 3050,71 | 1952,45 | 1355,87 | 996,15 | 762,68 | 602,61 | 488,11 | 403,40 | 338,97 | 249,04 | 190,67 | 150,65 | 122,03 | 100,85 | 84,74 | 72,21 | 62,26 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

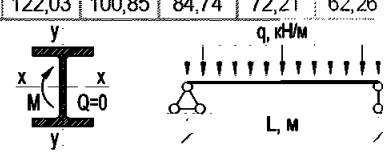
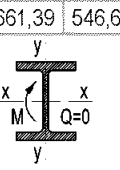


Таблица 6.4.1

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30К15 | 5961,28 | 3353,22 | 2146,06 | 1490,32 | 1094,93 | 838,31 | 662,36 | 536,52 | 443,40 | 372,58 | 273,73 | 209,58 | 165,59 | 134,13 | 110,85 | 93,15 | 79,37 | 68,43 |
| 30К16 | 6631,62 | 3730,29 | 2387,38 | 1657,90 | 1218,05 | 932,57 | 736,85 | 596,85 | 493,26 | 414,48 | 304,51 | 233,14 | 184,21 | 149,21 | 123,32 | 103,62 | 88,29 | 76,13 |
| 30К17 | 7313,28 | 4113,72 | 2632,78 | 1828,32 | 1343,26 | 1028,43 | 812,59 | 658,20 | 543,96 | 457,08 | 335,81 | 257,11 | 203,15 | 164,55 | 135,99 | 114,27 | 97,37 | 83,95 |
| 30К18 | 7886,70 | 4436,27 | 2839,21 | 1971,68 | 1448,58 | 1109,07 | 876,30 | 709,80 | 586,61 | 492,92 | 362,14 | 277,27 | 219,08 | 177,45 | 146,65 | 123,23 | 105,00 | 90,54 |
| 30К19 | 8909,60 | 5011,65 | 3207,46 | 2227,40 | 1636,46 | 1252,91 | 989,96 | 801,86 | 662,70 | 556,85 | 409,11 | 313,23 | 247,49 | 200,47 | 165,67 | 139,21 | 118,62 | 102,28 |
| 30К20 | 9929,92 | 5585,58 | 3574,77 | 2482,48 | 1823,86 | 1396,40 | 1103,32 | 893,69 | 738,59 | 620,62 | 455,97 | 349,10 | 275,83 | 223,42 | 184,65 | 155,16 | 132,20 | 113,99 |
| 30К21 | 10910,49 | 6137,15 | 3927,78 | 2727,62 | 2003,97 | 1534,29 | 1212,28 | 981,94 | 811,52 | 681,91 | 500,99 | 383,57 | 303,07 | 245,49 | 202,88 | 170,48 | 145,26 | 125,25 |
| 35К1 | 2241,61 | 1260,91 | 806,98 | 560,40 | 411,72 | 315,23 | 249,07 | 201,74 | 166,73 | 140,10 | 102,93 | 78,81 | 62,27 | 50,44 | 41,68 | 35,03 | 29,84 | 25,73 |
| 35К1,5 | 2532,21 | 1424,37 | 911,59 | 633,05 | 465,10 | 356,09 | 281,36 | 227,90 | 188,35 | 158,26 | 116,27 | 89,02 | 70,34 | 56,97 | 47,09 | 39,57 | 33,71 | 29,07 |
| 35К2 | 2824,52 | 1588,79 | 1016,83 | 706,13 | 518,79 | 397,20 | 313,84 | 254,21 | 210,09 | 176,53 | 129,70 | 99,30 | 78,46 | 63,55 | 52,52 | 44,13 | 37,60 | 32,42 |
| 35К3 | 3102,37 | 1745,08 | 1116,85 | 775,59 | 569,82 | 436,27 | 344,71 | 279,21 | 230,75 | 193,90 | 142,46 | 109,07 | 86,18 | 69,80 | 57,69 | 48,47 | 41,30 | 35,61 |
| 35К4 | 3464,47 | 1948,76 | 1247,21 | 866,12 | 636,33 | 487,19 | 384,94 | 311,80 | 257,69 | 216,53 | 159,08 | 121,80 | 96,24 | 77,95 | 64,42 | 54,13 | 46,12 | 39,77 |
| 35К5 | 3829,06 | 2153,85 | 1378,46 | 957,27 | 703,30 | 538,46 | 425,45 | 344,62 | 284,81 | 239,32 | 175,82 | 134,62 | 106,36 | 86,15 | 71,20 | 59,83 | 50,98 | 43,96 |
| 35К6 | 4193,90 | 2359,07 | 1509,80 | 1048,48 | 770,31 | 589,77 | 465,99 | 377,45 | 311,94 | 262,12 | 192,58 | 147,44 | 116,50 | 94,36 | 77,99 | 65,53 | 55,84 | 48,14 |
| 35К7 | 4713,70 | 2651,46 | 1696,93 | 1178,43 | 865,78 | 662,86 | 523,74 | 424,23 | 350,61 | 294,61 | 216,45 | 165,72 | 130,94 | 106,06 | 87,65 | 73,65 | 62,76 | 54,11 |
| 35К8 | 5169,54 | 2907,87 | 1861,03 | 1292,39 | 949,51 | 726,97 | 574,39 | 465,26 | 384,51 | 323,10 | 237,38 | 181,74 | 143,60 | 116,31 | 96,13 | 80,77 | 68,83 | 59,34 |
| 35К9 | 5698,63 | 3205,48 | 2051,51 | 1424,66 | 1046,69 | 801,37 | 633,18 | 512,88 | 423,87 | 356,16 | 261,67 | 200,34 | 158,30 | 128,22 | 105,97 | 89,04 | 75,87 | 65,42 |
| 35К10 | 6054,30 | 3405,55 | 2179,55 | 1513,58 | 1112,01 | 851,39 | 672,70 | 544,89 | 450,32 | 378,39 | 278,00 | 212,85 | 168,18 | 136,22 | 112,58 | 94,60 | 80,60 | 69,50 |
| 35К11 | 6806,57 | 3828,70 | 2450,36 | 1701,64 | 1250,19 | 957,17 | 756,29 | 612,59 | 506,27 | 425,41 | 312,55 | 239,29 | 189,07 | 153,15 | 126,57 | 106,35 | 90,62 | 78,14 |
| 35К12 | 7576,52 | 4261,79 | 2727,55 | 1894,13 | 1391,60 | 1065,45 | 841,84 | 681,89 | 563,54 | 473,53 | 347,90 | 266,36 | 210,46 | 170,47 | 140,89 | 118,38 | 100,87 | 86,98 |
| 35К13 | 8357,21 | 4700,93 | 3008,60 | 2089,30 | 1535,00 | 1175,23 | 928,58 | 752,15 | 621,61 | 522,33 | 383,75 | 293,81 | 232,14 | 188,04 | 155,40 | 130,58 | 111,26 | 95,94 |
| 35К14 | 8867,71 | 4988,09 | 3192,38 | 2216,93 | 1628,76 | 1247,02 | 985,30 | 798,09 | 659,58 | 554,23 | 407,19 | 311,76 | 246,33 | 199,52 | 164,90 | 138,56 | 118,06 | 101,80 |
| 35К15 | 9804,14 | 5514,83 | 3529,49 | 2451,04 | 1800,76 | 1378,71 | 1089,35 | 882,37 | 729,23 | 612,76 | 450,19 | 344,68 | 272,34 | 220,59 | 182,31 | 153,19 | 130,53 | 112,55 |
| 35К16 | 11104,80 | 6246,45 | 3997,73 | 2776,20 | 2039,66 | 1561,61 | 1233,87 | 999,43 | 825,98 | 694,05 | 509,91 | 390,40 | 308,47 | 249,86 | 206,49 | 173,51 | 147,84 | 127,48 |
| 35К17 | 12261,09 | 6896,86 | 4413,99 | 3065,27 | 2252,04 | 1724,22 | 1362,34 | 1103,50 | 911,98 | 766,32 | 563,01 | 431,05 | 340,59 | 275,87 | 228,00 | 191,58 | 163,24 | 140,75 |
| 35К18 | 13180,45 | 7414,00 | 4744,96 | 3295,11 | 2420,90 | 1853,50 | 1464,49 | 1186,24 | 980,36 | 823,78 | 605,22 | 463,38 | 366,12 | 296,56 | 245,09 | 205,94 | 175,48 | 151,31 |
| 35К19 | 14678,71 | 8256,78 | 5284,34 | 3669,68 | 2696,09 | 2064,19 | 1630,97 | 1321,08 | 1091,81 | 917,42 | 674,02 | 516,05 | 407,74 | 330,27 | 272,95 | 229,35 | 195,43 | 168,51 |
| 35К20 | 15584,21 | 8766,12 | 5610,32 | 3896,05 | 2862,41 | 2191,53 | 1731,58 | 1402,58 | 1159,16 | 974,01 | 715,60 | 547,88 | 432,89 | 350,64 | 289,79 | 243,50 | 207,48 | 178,90 |
| 35К21 | 17339,89 | 9753,69 | 6242,36 | 4334,97 | 3184,88 | 2438,42 | 1926,65 | 1560,59 | 1289,74 | 1083,74 | 796,22 | 609,61 | 481,66 | 390,15 | 322,44 | 270,94 | 230,86 | 199,05 |
| 35К22 | 19325,50 | 10870,59 | 6957,18 | 4831,37 | 3549,58 | 2717,65 | 2147,28 | 1739,29 | 1437,43 | 1207,84 | 887,40 | 679,41 | 536,82 | 434,82 | 359,36 | 301,96 | 257,29 | 221,85 |
| 35К23 | 21577,96 | 12137,60 | 7768,07 | 5394,49 | 3963,30 | 3034,40 | 2397,55 | 1942,02 | 1604,97 | 1348,62 | 990,82 | 758,60 | 599,39 | 485,50 | 401,24 | 337,16 | 287,28 | 247,71 |
| 35К24 | 24064,79 | 13536,45 | 8663,33 | 6016,20 | 4420,06 | 3384,11 | 2673,87 | 2165,83 | 1789,94 | 1504,05 | 1105,02 | 846,03 | 668,47 | 541,46 | 447,49 | 376,01 | 320,39 | 276,25 |
| 40К1 | 3496,12 | 1966,57 | 1258,60 | 874,03 | 642,14 | 491,64 | 388,46 | 314,65 | 260,04 | 218,51 | 160,54 | 122,91 | 97,11 | 78,66 | 65,01 | 54,63 | 46,55 | 40,13 |
| 40К2 | 3967,83 | 2231,90 | 1428,42 | 991,96 | 728,78 | 557,98 | 440,87 | 357,10 | 295,13 | 247,99 | 182,20 | 139,49 | 110,22 | 89,28 | 73,78 | 62,00 | 52,83 | 45,55 |
| 40К3 | 4579,11 | 2575,75 | 1648,48 | 1144,78 | 841,06 | 643,94 | 508,79 | 412,12 | 340,59 | 286,19 | 210,27 | 160,98 | 127,20 | 103,03 | 85,15 | 71,55 | 60,96 | 52,57 |
| 40К4 | 5338,32 | 3002,81 | 1921,80 | 1334,58 | 980,51 | 750,70 | 593,15 | 480,45 | 397,07 | 333,65 | 245,13 | 187,68 | 148,29 | 120,11 | 99,27 | 83,41 | 71,07 | 61,28 |
| 40К4,5 | 5877,90 | 3306,32 | 2116,04 | 1469,47 | 1079,61 | 826,58 | 653,10 | 529,01 | 437,20 | 367,37 | 269,90 | 206,64 | 163,27 | 132,25 | 109,30 | 91,84 | 78,26 | 67,48 |
| 40К5 | 6679,75 | 3757,36 | 2404,71 | 1669,94 | 1226,89 | 939,34 | 742,19 | 601,18 | 496,84 | 417,48 | 306,72 | 234,84 | 185,55 | 150,29 | 124,21 | 104,37 | 88,93 | 76,68 |
| 40К6 | 6985,39 | 3929,28 | 2514,74 | 1746,35 | 1283,03 | 982,32 | 776,15 | 628,69 | 519,57 | 436,59 | 320,76 | 245,58 | 194,04 | 157,17 | 129,89 | 109,15 | 93,00 | 80,19 |
| 40К7 | 7640,19 | 4297,61 | 2750,47 | 1910,05 | 1403,30 | 1074,40 | 848,91 | 687,62 | 568,28 | 477,51 | 350,82 | 268,60 | 212,23 | 171,90 | 142,07 | 119,38 | 101,72 | 87,71 |
| 40К8 | 8512,86 | 4788,49 | 3064,63 | 2128,22 | 1563,59 | 1197,12 | 945,87 | 766,16 | 633,19 | 532,05 | 390,90 | 299,28 | 236,47 | 191,54 | 158,30 | 133,01 | 113,34 | 97,72 |
| 40К9 | 9575,97 | 5386,49 | 3447,35 | 2393,99 | 1758,85 | 1346,62 | 1064,00 | 861,84 | 712,26 | 598,50 | 439,71 | 336,66 | 266,00 | 215,46 | 178,07 | 149,62 | 127,49 | 109,93 |
| 40К10 | 10484,43 | 5897,49 | 3774,40 | 2621,11 | 1925,71 | 1474,37 | 1164,94 | 943,60 | 779,83 | 655,28 | 481,43 | 368,59 | 291,23 | 235,90 | 194,96 | 163,82 | 139,59 | 120,36 |
| 40К11 | 11863,26 | 6673,09 | 4270,78 | 2965,82 | 2178,97 | 1668,27 | 1318,14 | 1067,69 | 882,39 | 741,45 | 544,74 | 417,07 | 329,54 | 266,92 | 220,60 | 185,36 | 157,94 | 136,19 |
| 40К12 | 13342,56 | 7505,19 | 4803,32 | 3335,64 | 2450,67 | 1876,30 | 1482,51 | 1200,83 | 992,42 | 833,91 | 612,67 | 469,07 | 370,63 | 300,21 | 248,11 | 208,48 | 177,64 | 153,17 |
| 40К13 | 14548,69 | 8183,64 | 5237,53 | 3637,17 | 2672,21 | 2045,91 | 1616,52 | 1309,38 | 1082,13 | 909,29 | 668,05 | 511,48 | 404,13 | 327,35 | 270,53 | 227,32 | 193,70 | 167,01 |
| 40К14 | 16404,72 | 9227,65 | 5905,70 | 4101,18 | 3013,11 | 2306,91 | 1822,75 | 1476,42 | 1220,19 | 1025,29 | 753,28 | 576,73 | 455,69 | 369,11 | 305,05 | 256,32 | 218,41 | 188,32 |
| 40К15 | 17635,61 | 9920,03 | 6348,82 | 4408,90 | 3239,19 | 2480,01 | 1959,51 | 1587,20 | 1311,74 | 1102,23 | 809,80 | 620,00 | 489,88 | 396,80 | 327,93 | 275,56 | 234,79 | 202,45 |
| 40К16 | 19964,58 | 11230,08 | 7187,25 | 4991,14 | 3666,96 | 2807,52 | 2218,29 | 1796,81 | 1484,97 | 1247,79 | 916,74 | 701,88 | 554,57 | 449,20 | 371,24 | 311,95 | 265,80 | 229,19 |
| 40К17 | 22763,94 | 12804,72 | 8195,02 | 5690,99 | 4181,13 | 3201,18 | 2529,33 | 2048,75 | 1693,19 | 1422,75 | 1045,28 | 800,29 | 632,33 | 512,19 | 423,30 | 355,69 | 303,07 | 261,32 |
| 40К18 | 25880,68 | 14557,88 | 9317,05 | 6470,17 | 4753,59 | 3639,47 | 2875,63 | 2329,26 | 1925,01 | 1617,54 | 1188,40 | 909,87 | 718,91 | 582,32 | 481,25 | 404,39 | 344,57 | 297,10 |
| 40К19 | 29395,12 | 16534,76 | 10582,244 | 7348,78 | 5399,10 | 4133,69 | 3266,12 | 2645,56 | 2186,41 | 1837,20 | 1349,78 | 1033,42 | 816,53 | 661,39 | 546,60 | 459,30 | 391,36 | 337,44 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



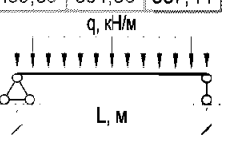



Таблица 6.4.1

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 170,03 | 95,64 | 61,21 | 42,51 | 31,23 | 23,91 | 18,89 | 15,30 | 12,65 | 10,63 | 7,81 | 5,98 | 4,72 | 3,83 | 3,16 | 2,66 | 2,26 | 1,95 |
| 20С1 | 611,13 | 343,76 | 220,01 | 152,78 | 112,25 | 85,94 | 67,90 | 55,00 | 45,46 | 38,20 | 28,06 | 21,48 | 16,98 | 13,75 | 11,36 | 9,55 | 8,14 | 7,02 |
| 25С1 | 883,57 | 497,01 | 318,08 | 220,89 | 162,29 | 124,25 | 98,17 | 79,52 | 65,72 | 55,22 | 40,57 | 31,06 | 24,54 | 19,88 | 16,43 | 13,81 | 11,76 | 10,14 |
| 25С2 | 1126,94 | 633,90 | 405,70 | 281,73 | 206,99 | 158,48 | 125,22 | 101,42 | 83,82 | 70,43 | 51,75 | 39,62 | 31,30 | 25,36 | 20,96 | 17,61 | 15,00 | 12,94 |
| 30С1 | 1407,35 | 791,64 | 506,65 | 351,84 | 258,49 | 197,91 | 156,37 | 126,66 | 104,68 | 87,96 | 64,62 | 49,48 | 39,09 | 31,67 | 26,17 | 21,99 | 18,74 | 16,16 |
| 30С2 | 1761,13 | 990,63 | 634,01 | 440,28 | 323,47 | 247,66 | 195,68 | 158,50 | 130,99 | 110,07 | 80,87 | 61,91 | 48,92 | 39,63 | 32,75 | 27,52 | 23,45 | 20,22 |
| 32С1 | 2987,64 | 1680,55 | 1075,55 | 746,91 | 548,75 | 420,14 | 331,96 | 268,89 | 222,22 | 186,73 | 137,19 | 105,03 | 82,99 | 67,22 | 55,56 | 46,68 | 39,78 | 34,30 |
| 32С2 | 3715,30 | 2089,86 | 1337,51 | 928,83 | 682,40 | 522,46 | 412,81 | 334,38 | 276,34 | 232,21 | 170,60 | 130,62 | 103,20 | 83,59 | 69,09 | 58,05 | 49,46 | 42,65 |
| 35С1 | 2046,20 | 1150,99 | 736,63 | 511,55 | 375,83 | 287,75 | 227,36 | 184,16 | 152,20 | 127,89 | 93,96 | 71,94 | 56,84 | 46,04 | 38,05 | 31,97 | 27,24 | 23,49 |
| 35С2 | 2519,82 | 1417,40 | 907,13 | 629,95 | 462,82 | 354,35 | 279,98 | 226,78 | 187,42 | 157,49 | 115,71 | 88,59 | 69,99 | 56,70 | 46,86 | 39,37 | 33,55 | 28,93 |
| 35С3 | 2999,94 | 1687,46 | 1079,98 | 749,98 | 551,01 | 421,87 | 333,33 | 269,99 | 223,14 | 187,50 | 137,75 | 105,47 | 83,33 | 67,50 | 55,78 | 46,87 | 39,94 | 34,44 |
| 40С1 | 3096,23 | 1741,63 | 1114,64 | 774,06 | 568,70 | 435,41 | 344,03 | 278,66 | 230,30 | 193,51 | 142,17 | 108,85 | 86,01 | 69,67 | 57,57 | 48,38 | 41,22 | 35,54 |
| 40С2 | 3718,27 | 2091,53 | 1338,58 | 929,57 | 682,95 | 522,88 | 413,14 | 334,64 | 276,57 | 232,39 | 170,74 | 130,72 | 103,29 | 83,66 | 69,14 | 58,10 | 49,50 | 42,68 |
| 40С3 | 4221,89 | 2374,82 | 1519,88 | 1055,47 | 775,45 | 593,70 | 469,10 | 379,97 | 314,03 | 263,87 | 193,86 | 148,43 | 117,27 | 94,99 | 78,51 | 65,97 | 56,21 | 48,47 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 305,81 | 172,02 | 110,09 | 76,45 | 56,17 | 43,00 | 33,98 | 27,52 | 22,75 | 19,11 | 14,04 | 10,75 | 8,49 | 6,88 | 5,69 | 4,78 | 4,07 | 3,51 |
| 20ДБ2 | 366,53 | 206,17 | 131,95 | 91,63 | 67,32 | 51,54 | 40,73 | 32,99 | 27,26 | 22,91 | 16,83 | 12,89 | 10,18 | 8,25 | 6,82 | 5,73 | 4,88 | 4,21 |
| 25ДБ1 | 430,68 | 242,26 | 155,05 | 107,67 | 79,10 | 60,56 | 47,85 | 38,76 | 32,03 | 26,92 | 19,78 | 15,14 | 11,96 | 9,69 | 8,01 | 6,73 | 5,73 | 4,94 |
| 25ДБ2 | 530,66 | 298,49 | 191,04 | 132,66 | 97,47 | 74,62 | 58,96 | 47,76 | 39,47 | 33,17 | 24,37 | 18,66 | 14,74 | 11,94 | 9,87 | 8,29 | 7,06 | 6,09 |
| 25ДБ3 | 618,36 | 347,83 | 222,61 | 154,59 | 113,58 | 86,96 | 68,71 | 55,65 | 45,99 | 38,65 | 28,39 | 21,74 | 17,18 | 13,91 | 11,50 | 9,66 | 8,23 | 7,10 |
| 25ДБ4 | 464,78 | 261,44 | 167,32 | 116,20 | 85,37 | 65,36 | 51,64 | 41,83 | 34,57 | 29,05 | 21,34 | 16,34 | 12,91 | 10,46 | 8,64 | 7,26 | 6,19 | 5,34 |
| 25ДБ5 | 562,55 | 316,43 | 202,52 | 140,64 | 103,33 | 79,11 | 62,51 | 50,63 | 41,84 | 35,16 | 25,83 | 19,78 | 15,63 | 12,66 | 10,46 | 8,79 | 7,49 | 6,46 |
| 25ДБ6 | 655,53 | 368,74 | 235,99 | 163,88 | 120,40 | 92,18 | 72,84 | 59,00 | 48,76 | 40,97 | 30,10 | 23,05 | 18,21 | 14,75 | 12,19 | 10,24 | 8,73 | 7,53 |
| 30ДБ1 | 430,81 | 242,33 | 155,09 | 107,70 | 79,13 | 60,58 | 47,87 | 38,77 | 32,04 | 26,93 | 19,78 | 15,15 | 11,97 | 9,69 | 8,01 | 6,73 | 5,74 | 4,95 |
| 30ДБ2 | 509,19 | 286,42 | 183,31 | 127,30 | 93,52 | 71,60 | 56,58 | 45,83 | 37,87 | 31,82 | 23,38 | 17,90 | 14,14 | 11,46 | 9,47 | 7,96 | 6,78 | 5,85 |

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30ДБ3 | 676,26 | 380,40 | 243,45 | 169,07 | 124,21 | 95,10 | 75,14 | 60,86 | 50,30 | 42,27 | 31,05 | 23,77 | 18,79 | 15,22 | 12,58 | 10,57 | 9,00 | 7,76 |
| 30ДБ4 | 780,77 | 439,19 | 281,08 | 195,19 | 143,41 | 109,80 | 86,75 | 70,27 | 58,07 | 48,80 | 35,85 | 27,45 | 21,69 | 17,57 | 14,52 | 12,20 | 10,39 | 8,96 |
| 30ДБ5 | 918,90 | 516,88 | 330,80 | 229,72 | 168,78 | 129,22 | 102,10 | 82,70 | 68,35 | 57,43 | 42,19 | 32,30 | 25,52 | 20,68 | 17,09 | 14,36 | 12,23 | 10,55 |
| 30ДБ6 | 687,55 | 386,75 | 247,52 | 171,89 | 126,28 | 96,69 | 76,39 | 61,88 | 51,14 | 42,97 | 31,57 | 24,17 | 19,10 | 15,47 | 12,78 | 10,74 | 9,15 | 7,89 |
| 30ДБ7 | 792,06 | 445,53 | 285,14 | 198,01 | 145,48 | 111,38 | 88,01 | 71,29 | 58,91 | 49,50 | 36,37 | 27,85 | 22,00 | 17,82 | 14,73 | 12,38 | 10,55 | 9,09 |
| 30ДБ8 | 924,42 | 519,98 | 332,79 | 231,10 | 169,79 | 130,00 | 102,71 | 83,20 | 68,76 | 57,78 | 42,45 | 32,50 | 25,68 | 20,80 | 17,19 | 14,44 | 12,31 | 10,61 |
| 35ДБ1 | 581,19 | 326,92 | 209,23 | 145,30 | 106,75 | 81,73 | 64,58 | 52,31 | 43,23 | 36,32 | 26,69 | 20,43 | 16,14 | 13,08 | 10,81 | 9,08 | 7,74 | 6,67 |
| 35ДБ2 | 711,71 | 400,34 | 256,22 | 177,93 | 130,72 | 100,08 | 79,08 | 64,05 | 52,94 | 44,48 | 32,68 | 25,02 | 19,77 | 16,01 | 13,23 | 11,12 | 9,48 | 8,17 |
| 35ДБ3 | 847,99 | 477,00 | 305,28 | 212,00 | 155,75 | 119,25 | 94,22 | 76,32 | 63,07 | 53,00 | 38,94 | 29,81 | 23,56 | 19,08 | 15,77 | 13,25 | 11,29 | 9,73 |
| 35ДБ4 | 976,55 | 549,31 | 351,56 | 244,14 | 179,37 | 137,33 | 108,51 | 87,89 | 72,64 | 61,03 | 44,84 | 34,33 | 27,13 | 21,97 | 18,16 | 15,26 | 13,00 | 11,21 |
| 35ДБ5 | 1100,07 | 618,79 | 396,03 | 275,02 | 202,05 | 154,70 | 122,23 | 99,01 | 81,82 | 68,75 | 50,51 | 38,67 | 30,56 | 24,75 | 20,46 | 17,19 | 14,65 | 12,63 |
| 35ДБ6 | 1314,01 | 739,13 | 473,04 | 328,50 | 241,35 | 184,78 | 146,00 | 118,26 | 97,74 | 82,13 | 60,34 | 46,20 | 36,50 | 29,57 | 24,43 | 20,53 | 17,49 | 15,08 |
| 35ДБ7 | 1859,50 | 1045,97 | 669,42 | 464,88 | 341,54 | 261,49 | 206,61 | 167,36 | 138,31 | 116,22 | 85,39 | 65,37 | 51,65 | 41,84 | 34,58 | 29,05 | 24,76 | 21,35 |
| 35ДБ8 | 2076,13 | 1167,83 | 747,41 | 519,03 | 381,33 | 291,96 | 230,68 | 186,85 | 154,42 | 129,76 | 95,33 | 72,99 | 57,67 | 46,71 | 38,61 | 32,44 | 27,64 | 23,83 |
| 35ДБ9 | 2259,40 | 1270,91 | 813,38 | 564,85 | 414,99 | 317,73 | 251,04 | 203,35 | 168,05 | 141,21 | 103,75 | 79,43 | 62,76 | 50,84 | 42,01 | 35,30 | 30,08 | 25,94 |
| 35ДБ10 | 2401,88 | 1351,06 | 864,68 | 600,47 | 441,16 | 337,76 | 266,88 | 216,17 | 178,65 | 150,12 | 110,29 | 84,44 | 66,72 | 54,04 | 44,66 | 37,53 | 31,98 | 27,57 |
| 40ДБ1 | 778,20 | 437,74 | 280,15 | 194,55 | 142,93 | 109,43 | 86,47 | 70,04 | 57,88 | 48,64 | 35,73 | 27,36 | 21,62 | 17,51 | 14,47 | 12,16 | 10,36 | 8,93 |
| 40ДБ2 | 947,85 | 533,16 | 341,22 | 236,96 | 174,09 | 133,29 | 105,32 | 85,31 | 70,50 | 59,24 | 43,52 | 33,32 | 26,33 | 21,33 | 17,63 | 14,81 | 12,62 | 10,88 |
| 40ДБ3 | 1133,19 | 637,42 | 407,95 | 283,30 | 208,14 | 159,36 | 125,91 | 101,99 | 84,29 | 70,82 | 52,03 | 39,84 | 31,48 | 25,50 | 21,07 | 17,71 | 15,09 | 13,01 |
| 40ДБ4 | 1301,25 | 731,95 | 468,45 | 325,31 | 239,00 | 182,99 | 144,58 | 117,11 | 96,79 | 81,33 | 59,75 | 45,75 | 36,15 | 29,28 | 24,20 | 20,33 | 17,32 | 14,94 |
| 40ДБ5 | 1469,55 | 826,62 | 529,04 | 367,39 | 269,92 | 206,66 | 163,28 | 132,26 | 109,31 | 91,85 | 67,48 | 51,66 | 40,82 | 33,06 | 27,33 | 22,96 | 19,56 | 16,87 |
| 40ДБ6 | 1633,31 | 918,74 | 587,99 | 408,33 | 300,00 | 229,68 | 181,48 | 147,00 | 121,49 | 102,08 | 75,00 | 57,42 | 45,37 | 36,75 | 30,37 | 25,52 | 21,75 | 18,75 |
| 40ДБ7 | 1855,46 | 1043,69 | 667,96 | 463,86 | 340,80 | 260,92 | 206,16 | 166,99 | 138,01 | 115,97 | 85,20 | 65,23 | 51,54 | 41,75 | 34,50 | 28,99 | 24,70 | 21,30 |
| 45ДБ1 | 1156,75 | 650,67 | 416,43 | 289,19 | 212,46 | 162,67 | 128,53 | 104,11 | 86,04 | 72,30 | 53,12 | 40,67 | 32,13 | 26,03 | 21,51 | 18,07 | 15,40 | 13,28 |
| 45ДБ2 | 1374,97 | 773,42 | 494,99 | 343,74 | 252,55 | 193,36 | 152,77 | 123,75 | 102,27 | 85,94 | 63,14 | 48,34 | 38,19 | 30,94 | 25,57 | 21,48 | 18,31 | 15,78 |
| 45ДБ3 | 1587,43 | 892,93 | 571,47 | 396,86 | 291,57 | 223,23 | 176,38 | 142,87 | 118,07 | 99,21 | 72,89 | 55,81 | 44,10 | 35,72 | 29,52 | 24,80 | 21,13 | 18,22 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

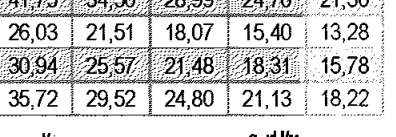


Таблица 6.4.1

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 45ДБ4 | 1735,12 | 976,01 | 624,64 | 433,78 | 318,70 | 244,00 | 192,79 | 156,16 | 129,06 | 108,45 | 79,67 | 61,00 | 48,20 | 39,04 | 32,26 | 27,11 | 23,10 | 19,92 |
| 45ДБ5 | 1927,09 | 1083,99 | 693,75 | 481,77 | 353,96 | 271,00 | 214,12 | 173,44 | 143,34 | 120,44 | 88,49 | 67,75 | 53,53 | 43,36 | 35,83 | 30,11 | 25,66 | 22,12 |
| 45ДБ6 | 1589,76 | 894,24 | 572,31 | 397,44 | 292,00 | 223,56 | 176,64 | 143,08 | 118,25 | 99,36 | 73,00 | 55,89 | 44,16 | 35,77 | 29,56 | 24,84 | 21,17 | 18,25 |
| 45ДБ7 | 1785,66 | 1004,43 | 642,84 | 446,41 | 327,98 | 251,11 | 198,41 | 160,71 | 132,82 | 111,60 | 81,99 | 62,78 | 49,60 | 40,18 | 33,20 | 27,90 | 23,77 | 20,50 |
| 45ДБ8 | 1973,58 | 1110,14 | 710,49 | 493,40 | 362,50 | 277,54 | 219,29 | 177,62 | 146,80 | 123,35 | 90,62 | 69,38 | 54,82 | 44,41 | 36,70 | 30,84 | 26,28 | 22,66 |
| 45ДБ9 | 2169,97 | 1220,61 | 781,19 | 542,49 | 398,57 | 305,15 | 241,11 | 195,30 | 161,40 | 135,62 | 99,64 | 76,29 | 60,28 | 48,82 | 40,35 | 33,91 | 28,89 | 24,91 |
| 45ДБ10 | 2343,06 | 1317,97 | 843,50 | 585,76 | 430,36 | 329,49 | 260,34 | 210,88 | 174,28 | 146,44 | 107,59 | 82,37 | 65,08 | 52,72 | 43,57 | 36,61 | 31,19 | 26,90 |
| 45ДБ11 | 2480,01 | 1395,01 | 892,80 | 620,00 | 455,51 | 348,75 | 275,56 | 223,20 | 184,46 | 155,00 | 113,88 | 87,19 | 68,89 | 55,80 | 46,12 | 38,75 | 33,02 | 28,47 |
| 53ДБ3 | 2542,99 | 1430,43 | 915,48 | 635,75 | 467,08 | 357,61 | 282,55 | 228,87 | 189,15 | 158,94 | 116,77 | 89,40 | 70,64 | 57,22 | 47,29 | 39,73 | 33,86 | 29,19 |
| 53ДБ4 | 2819,01 | 1585,70 | 1014,85 | 704,75 | 517,78 | 396,42 | 313,22 | 253,71 | 209,68 | 176,19 | 129,44 | 99,11 | 78,31 | 63,43 | 52,42 | 44,05 | 37,53 | 32,36 |
| 53ДБ5 | 3037,45 | 1708,56 | 1093,48 | 759,36 | 557,90 | 427,14 | 337,49 | 273,37 | 225,93 | 189,84 | 139,47 | 106,79 | 84,37 | 68,34 | 56,48 | 47,46 | 40,44 | 34,87 |
| 53ДБ6 | 3331,80 | 1874,14 | 1199,45 | 832,95 | 611,96 | 468,53 | 370,20 | 299,86 | 247,82 | 208,24 | 152,99 | 117,13 | 92,55 | 74,97 | 61,95 | 52,06 | 44,36 | 38,25 |
| 53ДБ7 | 3735,44 | 2101,19 | 1344,76 | 933,86 | 686,10 | 525,30 | 415,05 | 336,19 | 277,84 | 233,47 | 171,53 | 131,32 | 103,76 | 84,05 | 69,46 | 58,37 | 49,73 | 42,88 |
| 60ДБ1 | 2292,76 | 1289,68 | 825,39 | 573,19 | 421,12 | 322,42 | 254,75 | 206,35 | 170,54 | 143,30 | 105,28 | 80,60 | 63,69 | 51,59 | 42,63 | 35,82 | 30,52 | 26,32 |
| 60ДБ2 | 2629,61 | 1479,15 | 946,66 | 657,40 | 482,99 | 369,79 | 292,18 | 236,66 | 195,59 | 164,35 | 120,75 | 92,45 | 73,04 | 59,17 | 48,90 | 41,09 | 35,01 | 30,19 |
| 60ДБ3 | 3106,66 | 1747,49 | 1118,40 | 776,66 | 570,61 | 436,87 | 345,18 | 279,60 | 231,07 | 194,17 | 142,65 | 109,22 | 86,30 | 69,90 | 57,77 | 48,54 | 41,36 | 35,66 |
| 60ДБ4 | 3532,68 | 1987,13 | 1271,76 | 883,17 | 648,86 | 496,78 | 392,52 | 317,94 | 262,76 | 220,79 | 162,21 | 124,20 | 98,13 | 79,49 | 65,69 | 55,20 | 47,03 | 40,55 |
| 60ДБ5 | 3950,11 | 2221,94 | 1422,04 | 987,53 | 725,53 | 555,48 | 438,90 | 355,51 | 293,81 | 246,88 | 181,38 | 138,87 | 109,73 | 88,88 | 73,45 | 61,72 | 52,59 | 45,35 |
| 60ДБ6 | 4323,26 | 2431,83 | 1556,37 | 1080,81 | 794,07 | 607,96 | 480,36 | 389,09 | 321,56 | 270,20 | 198,52 | 151,99 | 120,09 | 97,27 | 80,39 | 67,55 | 57,56 | 49,63 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 89,55 | 50,37 | 32,24 | 22,39 | 16,45 | 12,59 | 9,95 | 8,06 | 6,66 | 5,60 | 4,11 | 3,15 | 2,49 | 2,01 | 1,67 | 1,40 | 1,19 | 1,03 |
| 10ДК2 | 110,40 | 62,10 | 39,74 | 27,60 | 20,28 | 15,53 | 12,27 | 9,94 | 8,21 | 6,90 | 5,07 | 3,88 | 3,07 | 2,48 | 2,05 | 1,73 | 1,47 | 1,27 |
| 10ДК3 | 233,07 | 131,10 | 83,90 | 58,27 | 42,81 | 32,78 | 25,90 | 20,98 | 17,34 | 14,57 | 10,70 | 8,19 | 6,47 | 5,24 | 4,33 | 3,64 | 3,10 | 2,68 |
| 12ДК1 | 130,03 | 73,14 | 46,81 | 32,51 | 23,88 | 18,29 | 14,45 | 11,70 | 9,67 | 8,13 | 5,97 | 4,57 | 3,61 | 2,93 | 2,42 | 2,03 | 1,73 | 1,49 |
| 12ДК2 | 176,64 | 99,36 | 63,59 | 44,16 | 32,44 | 24,84 | 19,63 | 15,90 | 13,14 | 11,04 | 8,11 | 6,21 | 4,91 | 3,97 | 3,28 | 2,76 | 2,35 | 2,03 |
| 12ДК3 | 343,04 | 192,96 | 123,49 | 85,76 | 63,01 | 48,24 | 38,12 | 30,87 | 25,52 | 21,44 | 15,75 | 12,06 | 9,53 | 7,72 | 6,38 | 5,36 | 4,57 | 3,94 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 14ДК1 | 190,13 | 106,95 | 68,45 | 47,53 | 34,92 | 26,74 | 21,13 | 17,11 | 14,14 | 11,88 | 8,73 | 6,68 | 5,28 | 4,28 | 3,54 | 2,97 | 2,53 | 2,18 |
| 14ДК2 | 264,96 | 149,04 | 95,39 | 66,24 | 48,67 | 37,26 | 29,44 | 23,85 | 19,71 | 16,56 | 12,17 | 9,32 | 7,36 | 5,96 | 4,93 | 4,14 | 3,53 | 3,04 |
| 14ДК3 | 489,55 | 275,37 | 176,24 | 122,39 | 89,92 | 68,84 | 54,39 | 44,06 | 36,41 | 30,60 | 22,48 | 17,21 | 13,60 | 11,01 | 9,10 | 7,65 | 6,52 | 5,62 |
| 15ДК1 | 195,78 | 110,12 | 70,48 | 48,94 | 35,96 | 27,53 | 21,75 | 17,62 | 14,56 | 12,24 | 8,99 | 6,88 | 5,44 | 4,40 | 3,64 | 3,06 | 2,61 | 2,25 |
| 15ДК2 | 269,13 | 151,39 | 96,89 | 67,28 | 49,43 | 37,85 | 29,90 | 24,22 | 20,02 | 16,82 | 12,36 | 9,46 | 7,48 | 6,06 | 5,00 | 4,21 | 3,58 | 3,09 |
| 15ДК3 | 337,33 | 189,75 | 121,44 | 84,33 | 61,96 | 47,44 | 37,48 | 30,36 | 25,09 | 21,08 | 15,49 | 11,86 | 9,37 | 7,59 | 6,27 | 5,27 | 4,49 | 3,87 |
| 16ДК1 | 269,87 | 151,80 | 97,15 | 67,47 | 49,57 | 37,95 | 29,99 | 24,29 | 20,07 | 16,87 | 12,39 | 9,49 | 7,50 | 6,07 | 5,02 | 4,22 | 3,59 | 3,10 |
| 16ДК2 | 381,49 | 214,59 | 137,34 | 95,37 | 70,07 | 53,65 | 42,39 | 34,33 | 28,38 | 23,84 | 17,52 | 13,41 | 10,60 | 8,58 | 7,09 | 5,96 | 5,08 | 4,38 |
| 16ДК3 | 674,17 | 379,22 | 242,70 | 168,54 | 123,83 | 94,81 | 74,91 | 60,68 | 50,14 | 42,14 | 30,96 | 23,70 | 18,73 | 15,17 | 12,54 | 10,53 | 8,98 | 7,74 |
| 18ДК1 | 360,64 | 202,86 | 129,83 | 90,16 | 66,24 | 50,72 | 40,07 | 32,46 | 26,82 | 22,54 | 16,56 | 12,68 | 10,02 | 8,11 | 6,71 | 5,64 | 4,80 | 4,14 |
| 18ДК2 | 521,33 | 293,25 | 187,68 | 130,33 | 95,76 | 73,31 | 57,93 | 46,92 | 38,78 | 32,58 | 23,94 | 18,33 | 14,48 | 11,73 | 9,69 | 8,15 | 6,94 | 5,98 |
| 18ДК3 | 890,95 | 501,16 | 320,74 | 222,74 | 163,64 | 125,29 | 98,99 | 80,19 | 66,27 | 55,68 | 40,91 | 31,32 | 24,75 | 20,05 | 16,57 | 13,92 | 11,86 | 10,23 |
| 20ДК1 | 549,42 | 309,05 | 197,79 | 137,36 | 100,91 | 77,26 | 61,05 | 49,45 | 40,87 | 34,34 | 25,23 | 19,32 | 15,26 | 12,36 | 10,22 | 8,58 | 7,31 | 6,31 |
| 20ДК2 | 627,93 | 353,21 | 226,06 | 156,98 | 115,33 | 88,30 | 69,77 | 56,51 | 46,71 | 39,25 | 28,83 | 22,08 | 17,44 | 14,13 | 11,68 | 9,81 | 8,36 | 7,21 |
| 20ДК3 | 714,29 | 401,79 | 257,14 | 178,57 | 131,20 | 100,45 | 79,37 | 64,29 | 53,13 | 44,64 | 32,80 | 25,11 | 19,84 | 16,07 | 13,28 | 11,16 | 9,51 | 8,20 |
| 20ДК4 | 870,32 | 489,56 | 313,32 | 217,58 | 159,85 | 122,39 | 96,70 | 78,33 | 64,73 | 54,40 | 39,96 | 30,60 | 24,18 | 19,58 | 16,18 | 13,60 | 11,59 | 9,99 |
| 20ДК5 | 1016,38 | 571,71 | 365,90 | 254,09 | 186,68 | 142,93 | 112,93 | 91,47 | 75,60 | 63,52 | 46,67 | 35,73 | 28,23 | 22,87 | 18,90 | 15,88 | 13,53 | 11,67 |
| 20ДК6 | 1178,49 | 662,90 | 424,25 | 294,62 | 216,46 | 165,72 | 130,94 | 106,06 | 87,66 | 73,66 | 54,11 | 41,43 | 32,74 | 26,52 | 21,91 | 18,41 | 15,69 | 13,53 |
| 25ДК1 | 1093,21 | 614,93 | 393,55 | 273,30 | 200,79 | 153,73 | 121,47 | 98,39 | 81,31 | 68,33 | 50,20 | 38,43 | 30,37 | 24,60 | 20,33 | 17,08 | 14,55 | 12,55 |
| 25ДК2 | 1204,34 | 677,44 | 433,56 | 301,09 | 221,21 | 169,36 | 133,82 | 108,39 | 89,58 | 75,27 | 55,30 | 42,34 | 33,45 | 27,10 | 22,39 | 18,82 | 16,03 | 13,83 |
| 25ДК3 | 1345,04 | 756,59 | 484,21 | 336,26 | 247,05 | 189,15 | 149,45 | 121,05 | 100,04 | 84,07 | 61,76 | 47,29 | 37,36 | 30,26 | 25,01 | 21,02 | 17,91 | 15,44 |
| 25ДК4 | 1521,19 | 855,67 | 547,63 | 380,30 | 279,40 | 213,92 | 169,02 | 136,91 | 113,15 | 95,07 | 69,85 | 53,48 | 42,26 | 34,23 | 28,29 | 23,77 | 20,25 | 17,46 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

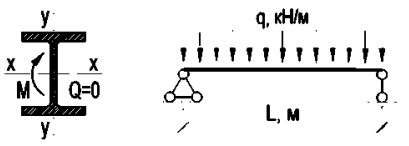


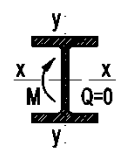
Таблица 6.4.1

| С390Б | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 46,208 | 25,992 | 16,635 | 11,552 | 8,487 | 6,498 | 5,134 | 4,159 | 3,437 | 2,888 | 2,122 | 1,625 | 1,284 | 1,040 | 0,859 | 0,722 | 0,615 | 0,530 |
| 12Б1 | 59,179 | 33,288 | 21,304 | 14,795 | 10,870 | 8,322 | 6,575 | 5,326 | 4,402 | 3,699 | 2,717 | 2,081 | 1,644 | 1,332 | 1,100 | 0,925 | 0,788 | 0,679 |
| 12Б2 | 71,609 | 40,280 | 25,779 | 17,902 | 13,153 | 10,070 | 7,957 | 6,445 | 5,326 | 4,476 | 3,288 | 2,518 | 1,989 | 1,611 | 1,332 | 1,119 | 0,953 | 0,822 |
| 14Б1 | 85,525 | 48,108 | 30,789 | 21,381 | 15,709 | 12,027 | 9,503 | 7,697 | 6,361 | 5,345 | 3,927 | 3,007 | 2,376 | 1,924 | 1,590 | 1,336 | 1,139 | 0,982 |
| 14Б2 | 104,441 | 58,748 | 37,599 | 26,110 | 19,183 | 14,687 | 11,605 | 9,400 | 7,768 | 6,528 | 4,796 | 3,672 | 2,901 | 2,350 | 1,942 | 1,632 | 1,390 | 1,199 |
| 16Б1 | 118,628 | 66,728 | 42,706 | 29,657 | 21,789 | 16,682 | 13,181 | 10,676 | 8,824 | 7,414 | 5,447 | 4,171 | 3,295 | 2,669 | 2,206 | 1,854 | 1,579 | 1,362 |
| 16Б2 | 146,866 | 82,612 | 52,872 | 36,716 | 26,975 | 20,653 | 16,318 | 13,218 | 10,924 | 9,179 | 6,744 | 5,163 | 4,080 | 3,304 | 2,731 | 2,295 | 1,955 | 1,686 |
| 18Б1 | 162,268 | 91,276 | 58,417 | 40,567 | 29,804 | 22,819 | 18,030 | 14,604 | 12,070 | 10,142 | 7,451 | 5,705 | 4,507 | 3,651 | 3,017 | 2,535 | 2,160 | 1,863 |
| 18Б2 | 197,668 | 111,188 | 71,160 | 49,417 | 36,306 | 27,797 | 21,963 | 17,790 | 14,703 | 12,354 | 9,077 | 6,949 | 5,491 | 4,448 | 3,676 | 3,089 | 2,632 | 2,269 |
| 20Б0 | 216,178 | 121,600 | 77,824 | 54,044 | 39,706 | 30,400 | 24,020 | 19,456 | 16,079 | 13,511 | 9,927 | 7,600 | 6,005 | 4,864 | 4,020 | 3,378 | 2,878 | 2,482 |
| 20Б1 | 248,604 | 139,840 | 89,498 | 62,151 | 45,662 | 34,960 | 27,623 | 22,374 | 18,491 | 15,538 | 11,416 | 8,740 | 6,906 | 5,594 | 4,623 | 3,884 | 3,310 | 2,854 |
| 20Б2 | 295,893 | 166,440 | 106,522 | 73,973 | 54,348 | 41,610 | 32,877 | 26,630 | 22,009 | 18,493 | 13,587 | 10,403 | 8,219 | 6,658 | 5,502 | 4,623 | 3,939 | 3,397 |
| 20Б3 | 360,462 | 202,760 | 129,766 | 90,116 | 66,207 | 50,690 | 40,051 | 32,442 | 26,811 | 22,529 | 16,552 | 12,673 | 10,013 | 8,110 | 6,703 | 5,632 | 4,799 | 4,138 |
| 25Б1 | 385,067 | 216,600 | 138,624 | 96,267 | 70,727 | 54,150 | 42,785 | 34,656 | 28,641 | 24,067 | 17,682 | 13,538 | 10,696 | 8,664 | 7,160 | 6,017 | 5,127 | 4,420 |
| 25Б2 | 437,760 | 246,240 | 157,594 | 109,440 | 80,405 | 61,560 | 48,640 | 39,398 | 32,561 | 27,360 | 20,101 | 15,390 | 12,160 | 9,850 | 8,140 | 6,840 | 5,828 | 5,025 |
| 25Б3 | 540,693 | 304,140 | 194,650 | 135,173 | 99,311 | 76,035 | 60,077 | 48,662 | 40,217 | 33,793 | 24,828 | 19,009 | 15,019 | 12,166 | 10,054 | 8,448 | 7,199 | 6,207 |
| 25Б4 | 656,462 | 369,260 | 236,326 | 164,116 | 120,575 | 92,315 | 72,940 | 59,082 | 48,828 | 41,029 | 30,144 | 23,079 | 18,235 | 14,770 | 12,207 | 10,257 | 8,740 | 7,536 |
| 30Б1 | 572,871 | 322,240 | 206,234 | 143,218 | 105,221 | 80,560 | 63,652 | 51,558 | 42,610 | 35,804 | 26,305 | 20,140 | 15,913 | 12,890 | 10,653 | 8,951 | 7,627 | 6,576 |
| 30Б2 | 649,884 | 365,560 | 233,958 | 162,471 | 119,367 | 91,390 | 72,209 | 58,490 | 48,339 | 40,618 | 29,842 | 22,848 | 18,052 | 14,622 | 12,085 | 10,154 | 8,652 | 7,460 |
| 30Б3 | 798,542 | 449,180 | 287,475 | 199,636 | 146,671 | 112,295 | 88,727 | 71,869 | 59,396 | 49,909 | 36,668 | 28,074 | 22,182 | 17,967 | 14,849 | 12,477 | 10,631 | 9,167 |
| 30Б4 | 965,618 | 543,160 | 347,622 | 241,404 | 177,358 | 135,790 | 107,291 | 86,906 | 71,823 | 60,351 | 44,340 | 33,948 | 26,823 | 21,726 | 17,956 | 15,088 | 12,856 | 11,085 |

| С390Б | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35Б1 | 866,062 | 487,160 | 311,782 | 216,516 | 159,073 | 121,790 | 96,229 | 77,946 | 64,418 | 54,129 | 39,768 | 30,448 | 24,057 | 19,486 | 16,104 | 13,532 | 11,530 | 9,942 |
| 35Б2 | 1019,556 | 573,500 | 367,040 | 254,889 | 187,265 | 143,375 | 113,284 | 91,760 | 75,835 | 63,722 | 46,816 | 35,844 | 28,321 | 22,940 | 18,959 | 15,931 | 13,574 | 11,704 |
| 35Б3 | 1244,516 | 700,040 | 448,026 | 311,129 | 228,584 | 175,010 | 138,280 | 112,006 | 92,567 | 77,782 | 57,146 | 43,753 | 34,570 | 28,002 | 23,142 | 19,446 | 16,569 | 14,287 |
| 35Б4 | 1510,258 | 849,520 | 543,693 | 377,564 | 277,394 | 212,380 | 167,806 | 135,923 | 112,333 | 94,391 | 69,349 | 53,095 | 41,952 | 33,981 | 28,083 | 23,598 | 20,107 | 17,337 |
| 40Б1 | 1330,027 | 748,140 | 478,810 | 332,507 | 244,291 | 187,035 | 147,781 | 119,702 | 98,928 | 83,127 | 61,073 | 46,759 | 36,945 | 29,926 | 24,732 | 20,782 | 17,707 | 15,268 |
| 40Б2 | 1558,933 | 876,900 | 561,216 | 389,733 | 286,335 | 219,225 | 173,215 | 140,304 | 115,954 | 97,433 | 71,584 | 54,806 | 43,304 | 35,076 | 28,988 | 24,358 | 20,755 | 17,896 |
| 40Б3 | 1902,293 | 1070,040 | 684,826 | 475,573 | 349,401 | 267,510 | 211,366 | 171,206 | 141,493 | 118,893 | 87,350 | 66,878 | 52,841 | 42,802 | 35,373 | 29,723 | 25,326 | 21,838 |
| 40Б4 | 2248,284 | 1264,660 | 809,382 | 562,071 | 412,950 | 316,165 | 249,809 | 202,346 | 167,228 | 140,518 | 103,238 | 79,041 | 62,452 | 50,586 | 41,807 | 35,129 | 29,933 | 25,809 |
| 45Б1 | 1693,120 | 952,380 | 609,523 | 423,280 | 310,981 | 238,095 | 188,124 | 152,381 | 125,935 | 105,820 | 77,745 | 59,524 | 47,031 | 38,095 | 31,484 | 26,455 | 22,542 | 19,436 |
| 45Б2 | 1956,231 | 1100,380 | 704,243 | 489,058 | 359,308 | 275,095 | 217,359 | 176,061 | 145,505 | 122,264 | 89,827 | 68,774 | 54,340 | 44,015 | 36,376 | 30,566 | 26,044 | 22,457 |
| 45Б3 | 2349,582 | 1321,640 | 845,850 | 587,396 | 431,556 | 330,410 | 261,065 | 211,462 | 174,762 | 146,849 | 107,889 | 82,603 | 65,266 | 52,866 | 43,691 | 36,712 | 31,281 | 26,972 |
| 45Б4 | 2745,564 | 1544,380 | 988,403 | 686,391 | 504,287 | 386,095 | 305,063 | 247,101 | 204,216 | 171,598 | 126,072 | 96,524 | 76,266 | 61,775 | 51,054 | 42,899 | 36,553 | 31,518 |
| 50Б1 | 1970,702 | 1108,520 | 709,453 | 492,676 | 361,966 | 277,130 | 218,967 | 177,363 | 146,581 | 123,169 | 90,491 | 69,283 | 54,742 | 44,341 | 36,645 | 30,792 | 26,237 | 22,623 |
| 50Б2 | 2220,658 | 1249,120 | 799,437 | 555,164 | 407,876 | 312,280 | 246,740 | 199,859 | 165,173 | 138,791 | 101,969 | 78,070 | 61,685 | 49,965 | 41,293 | 34,698 | 29,565 | 25,492 |
| 50Б3 | 2517,973 | 1416,360 | 906,470 | 629,493 | 462,485 | 354,090 | 279,775 | 226,618 | 187,287 | 157,373 | 115,621 | 88,523 | 69,944 | 56,654 | 46,822 | 39,343 | 33,523 | 28,905 |
| 50Б4 | 3104,711 | 1746,400 | 1117,696 | 776,178 | 570,253 | 436,600 | 344,968 | 279,424 | 230,929 | 194,044 | 142,563 | 109,150 | 86,242 | 69,856 | 57,732 | 48,511 | 41,335 | 35,641 |
| 50Б5 | 3740,124 | 2103,820 | 1346,445 | 935,031 | 686,962 | 525,955 | 415,569 | 336,611 | 278,191 | 233,758 | 171,740 | 131,489 | 103,892 | 84,153 | 69,548 | 58,439 | 49,795 | 42,935 |
| 55Б1 | 2698,204 | 1517,740 | 971,354 | 674,551 | 495,589 | 379,435 | 299,800 | 242,838 | 200,693 | 168,638 | 123,897 | 94,859 | 74,950 | 60,710 | 50,173 | 42,159 | 35,923 | 30,974 |
| 55Б2 | 3020,516 | 1699,040 | 1087,386 | 755,129 | 554,789 | 424,760 | 335,613 | 271,846 | 224,666 | 188,782 | 138,697 | 106,190 | 83,903 | 67,962 | 56,167 | 47,196 | 40,214 | 34,674 |
| 55Б3 | 3583,573 | 2015,760 | 1290,086 | 895,893 | 658,207 | 503,940 | 398,175 | 322,522 | 266,547 | 223,973 | 164,552 | 125,985 | 99,544 | 80,630 | 66,637 | 55,993 | 47,710 | 41,138 |
| 55Б4 | 4224,249 | 2376,140 | 1520,730 | 1056,062 | 775,882 | 594,035 | 469,361 | 380,182 | 314,200 | 264,016 | 193,971 | 148,509 | 117,340 | 95,046 | 78,550 | 66,004 | 56,240 | 48,493 |
| 60Б1 | 3033,671 | 1706,440 | 1092,122 | 758,418 | 557,205 | 426,610 | 337,075 | 273,030 | 225,645 | 189,604 | 139,301 | 106,653 | 84,269 | 68,258 | 56,411 | 47,401 | 40,389 | 34,825 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



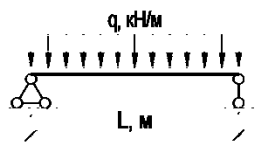



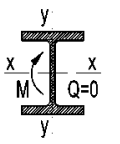
Таблица 6.4.1

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 60Б2 | 3404,658 | 1915,120 | 1225,677 | 851,164 | 625,345 | 478,780 | 378,295 | 306,419 | 253,239 | 212,791 | 156,336 | 119,695 | 94,574 | 76,605 | 63,310 | 53,198 | 45,328 | 39,084 |
| 60Б3 | 3811,164 | 2143,780 | 1372,019 | 952,791 | 700,010 | 535,945 | 423,463 | 343,005 | 283,475 | 238,198 | 175,002 | 133,986 | 105,866 | 85,751 | 70,869 | 59,549 | 50,740 | 43,751 |
| 60Б4 | 4579,449 | 2575,940 | 1648,602 | 1144,862 | 841,123 | 643,985 | 508,828 | 412,150 | 340,620 | 286,216 | 210,281 | 160,996 | 127,207 | 103,038 | 85,155 | 71,554 | 60,969 | 52,570 |
| 70Б1 | 4795,200 | 2697,300 | 1726,272 | 1198,800 | 880,751 | 674,325 | 532,800 | 431,568 | 356,668 | 299,700 | 220,188 | 168,581 | 133,200 | 107,892 | 89,167 | 74,925 | 63,841 | 55,047 |
| 70Б2 | 5552,960 | 3123,540 | 1999,066 | 1388,240 | 1019,931 | 780,885 | 616,996 | 499,766 | 413,030 | 347,060 | 254,983 | 195,221 | 154,249 | 124,942 | 103,258 | 86,765 | 73,930 | 63,746 |
| 70Б3 | 6263,360 | 3523,140 | 2254,810 | 1565,840 | 1150,413 | 880,785 | 695,929 | 563,702 | 465,870 | 391,460 | 287,603 | 220,196 | 173,982 | 140,926 | 116,467 | 97,865 | 83,388 | 71,901 |
| 70Б4 | 7400,000 | 4162,500 | 2664,000 | 1850,000 | 1359,184 | 1040,625 | 822,222 | 666,000 | 550,413 | 462,500 | 339,796 | 260,156 | 205,556 | 166,500 | 137,603 | 115,625 | 98,521 | 84,949 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 295,758 | 166,364 | 106,473 | 73,940 | 54,323 | 41,591 | 32,862 | 26,618 | 21,999 | 18,485 | 13,581 | 10,398 | 8,216 | 6,655 | 5,500 | 4,621 | 3,938 | 3,395 |
| 20Ш1 | 374,663 | 210,748 | 134,879 | 93,666 | 68,816 | 52,687 | 41,629 | 33,720 | 27,868 | 23,416 | 17,204 | 13,172 | 10,407 | 8,430 | 6,967 | 5,854 | 4,988 | 4,301 |
| 20Ш2 | 463,076 | 260,480 | 166,707 | 115,769 | 85,055 | 65,120 | 51,453 | 41,677 | 34,444 | 28,942 | 21,264 | 16,280 | 12,863 | 10,419 | 8,611 | 7,236 | 6,165 | 5,316 |
| 20Ш3 | 562,663 | 316,498 | 202,559 | 140,666 | 103,346 | 79,125 | 62,518 | 50,640 | 41,851 | 35,166 | 25,837 | 19,781 | 15,630 | 12,660 | 10,463 | 8,792 | 7,491 | 6,459 |
| 20Ш4 | 710,400 | 399,600 | 255,744 | 177,600 | 130,482 | 99,900 | 78,933 | 63,936 | 52,840 | 44,400 | 32,620 | 24,975 | 19,733 | 15,984 | 13,210 | 11,100 | 9,458 | 8,155 |
| 20Ш5 | 859,058 | 483,220 | 309,261 | 214,764 | 157,786 | 120,805 | 95,451 | 77,315 | 63,897 | 53,691 | 39,447 | 30,201 | 23,863 | 19,329 | 15,974 | 13,423 | 11,437 | 9,862 |
| 20Ш6 | 1074,677 | 604,506 | 386,884 | 268,669 | 197,390 | 151,127 | 119,409 | 96,721 | 79,935 | 67,167 | 49,347 | 37,782 | 29,852 | 24,180 | 19,984 | 16,792 | 14,308 | 12,337 |
| 25Ш0 | 560,846 | 315,476 | 201,905 | 140,212 | 103,013 | 78,869 | 62,316 | 50,476 | 41,716 | 35,053 | 25,753 | 19,717 | 15,579 | 12,619 | 10,429 | 8,763 | 7,467 | 6,438 |
| 25Ш1 | 660,146 | 371,332 | 237,652 | 165,036 | 121,251 | 92,833 | 73,350 | 59,413 | 49,102 | 41,259 | 30,313 | 23,208 | 18,337 | 14,853 | 12,275 | 10,315 | 8,789 | 7,578 |
| 25Ш2 | 805,646 | 453,176 | 290,033 | 201,412 | 147,976 | 113,294 | 89,516 | 72,508 | 59,924 | 50,353 | 36,994 | 28,324 | 22,379 | 18,127 | 14,981 | 12,588 | 10,726 | 9,248 |
| 25Ш3 | 1009,294 | 567,728 | 363,346 | 252,324 | 185,381 | 141,932 | 112,144 | 90,836 | 75,071 | 63,081 | 46,345 | 35,483 | 28,036 | 22,709 | 18,768 | 15,770 | 13,437 | 11,586 |
| 25Ш4 | 1270,827 | 714,840 | 457,498 | 317,707 | 233,417 | 178,710 | 141,203 | 114,374 | 94,524 | 79,427 | 58,354 | 44,678 | 35,301 | 28,594 | 23,631 | 19,857 | 16,919 | 14,589 |
| 25Ш5 | 1582,350 | 890,072 | 569,646 | 395,588 | 290,636 | 222,518 | 175,817 | 142,412 | 117,695 | 98,897 | 72,659 | 55,630 | 43,954 | 35,603 | 29,424 | 24,724 | 21,067 | 18,165 |
| 25Ш6 | 1905,536 | 1071,864 | 685,993 | 476,384 | 349,996 | 267,966 | 211,726 | 171,498 | 141,734 | 119,096 | 87,499 | 66,992 | 52,932 | 42,875 | 35,434 | 29,774 | 25,370 | 21,875 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30Ш0 | 878,763 | 494,304 | 316,355 | 219,691 | 161,405 | 123,576 | 97,640 | 79,089 | 65,363 | 54,923 | 40,351 | 30,894 | 24,410 | 19,772 | 16,341 | 13,731 | 11,700 | 10,088 |
| 30Ш1 | 1014,820 | 570,836 | 365,335 | 253,705 | 186,395 | 142,709 | 112,758 | 91,334 | 75,482 | 63,426 | 46,599 | 35,677 | 28,189 | 22,833 | 18,871 | 15,857 | 13,511 | 11,650 |
| 30Ш2 | 1246,357 | 701,076 | 448,689 | 311,589 | 228,923 | 175,269 | 138,484 | 112,172 | 92,704 | 77,897 | 57,231 | 43,817 | 34,621 | 28,043 | 23,176 | 19,474 | 16,594 | 14,308 |
| 30Ш3 | 1500,917 | 844,266 | 540,330 | 375,229 | 275,679 | 211,067 | 166,769 | 135,083 | 111,638 | 93,807 | 68,920 | 52,767 | 41,692 | 33,771 | 27,910 | 23,452 | 19,983 | 17,230 |
| 30Ш4 | 1840,725 | 1035,408 | 662,661 | 460,181 | 338,092 | 258,852 | 204,525 | 165,665 | 136,913 | 115,045 | 84,523 | 64,713 | 51,131 | 41,416 | 34,228 | 28,761 | 24,507 | 21,131 |
| 30Ш5 | 2343,662 | 1318,310 | 843,718 | 585,916 | 430,469 | 329,578 | 260,407 | 210,930 | 174,322 | 146,479 | 107,617 | 82,394 | 65,102 | 52,732 | 43,580 | 36,620 | 31,203 | 26,904 |
| 30Ш6 | 2942,976 | 1655,424 | 1059,471 | 735,744 | 540,547 | 413,856 | 326,997 | 264,868 | 218,899 | 183,936 | 135,137 | 103,464 | 81,749 | 66,217 | 54,725 | 45,984 | 39,182 | 33,784 |
| 35Ш1 | 1347,655 | 758,056 | 485,156 | 336,914 | 247,528 | 189,514 | 149,739 | 121,289 | 100,239 | 84,228 | 61,882 | 47,379 | 37,435 | 30,322 | 25,060 | 21,057 | 17,942 | 15,471 |
| 35Ш2 | 1677,596 | 943,648 | 603,935 | 419,399 | 308,130 | 235,912 | 186,400 | 150,984 | 124,780 | 104,850 | 77,032 | 58,978 | 46,600 | 37,746 | 31,195 | 26,212 | 22,335 | 19,258 |
| 35Ш3 | 2087,918 | 1174,454 | 751,651 | 521,980 | 383,495 | 293,614 | 231,991 | 187,913 | 155,300 | 130,495 | 95,874 | 73,403 | 57,998 | 46,978 | 38,825 | 32,624 | 27,798 | 23,968 |
| 35Ш4 | 2504,292 | 1408,664 | 901,545 | 626,073 | 459,972 | 352,166 | 278,255 | 225,386 | 186,270 | 156,518 | 114,993 | 88,042 | 69,564 | 56,347 | 46,567 | 39,130 | 33,341 | 28,748 |
| 35Ш5 | 3124,971 | 1757,796 | 1124,989 | 781,243 | 573,974 | 439,449 | 347,219 | 281,247 | 232,436 | 195,311 | 143,494 | 109,862 | 86,805 | 70,312 | 58,109 | 48,828 | 41,605 | 35,873 |
| 35Ш6 | 3742,592 | 2105,208 | 1347,333 | 935,648 | 687,415 | 526,302 | 415,844 | 336,833 | 278,375 | 233,912 | 171,854 | 131,576 | 103,961 | 84,208 | 69,594 | 58,478 | 49,827 | 42,963 |
| 35Ш7 | 4690,048 | 2638,152 | 1688,417 | 1172,512 | 861,437 | 659,538 | 521,116 | 422,104 | 348,847 | 293,128 | 215,359 | 164,885 | 130,279 | 105,526 | 87,212 | 73,282 | 62,441 | 53,840 |
| 40Ш1 | 2099,100 | 1180,744 | 755,676 | 524,775 | 385,549 | 295,186 | 233,233 | 188,919 | 156,131 | 131,194 | 96,387 | 73,797 | 58,308 | 47,230 | 39,033 | 32,798 | 27,947 | 24,097 |
| 40Ш2 | 2609,273 | 1467,716 | 939,338 | 652,318 | 479,254 | 366,929 | 289,919 | 234,835 | 194,078 | 163,080 | 119,814 | 91,732 | 72,480 | 58,709 | 48,520 | 40,770 | 34,739 | 29,953 |
| 40Ш3 | 3171,147 | 1783,770 | 1141,613 | 792,787 | 582,456 | 445,943 | 352,350 | 285,403 | 235,870 | 198,197 | 145,614 | 111,486 | 88,087 | 71,351 | 58,968 | 49,549 | 42,219 | 36,403 |
| 40Ш4 | 3895,360 | 2191,140 | 1402,330 | 973,840 | 715,474 | 547,785 | 432,818 | 350,582 | 289,738 | 243,460 | 178,869 | 136,946 | 108,204 | 87,646 | 72,434 | 60,865 | 51,861 | 44,717 |
| 40Ш5 | 4901,497 | 2757,092 | 1764,539 | 1225,374 | 900,275 | 689,273 | 544,611 | 441,135 | 364,574 | 306,344 | 225,069 | 172,318 | 136,153 | 110,284 | 91,144 | 76,586 | 65,257 | 56,267 |
| 40Ш6 | 5741,184 | 3229,416 | 2066,826 | 1435,296 | 1054,503 | 807,354 | 637,909 | 516,707 | 427,030 | 358,824 | 263,626 | 201,839 | 159,477 | 129,177 | 106,758 | 89,706 | 76,436 | 65,906 |
| 40Ш7 | 7033,984 | 3956,616 | 2532,234 | 1758,496 | 1291,956 | 989,154 | 781,554 | 633,059 | 523,189 | 439,624 | 322,989 | 247,289 | 195,388 | 158,265 | 130,797 | 109,906 | 93,648 | 80,747 |
| 45Ш0 | 2836,996 | 1595,810 | 1021,318 | 709,249 | 521,081 | 398,953 | 315,222 | 255,330 | 211,016 | 177,312 | 130,270 | 99,738 | 78,805 | 63,832 | 52,754 | 44,328 | 37,771 | 32,568 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



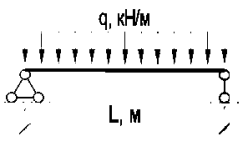



Таблица 6.4.1

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 45Ш1 | 3352,956 | 1886,038 | 1207,064 | 838,239 | 615,849 | 471,510 | 372,551 | 301,766 | 249,393 | 209,560 | 153,962 | 117,877 | 93,138 | 75,442 | 62,348 | 52,390 | 44,640 | 38,491 |
| 45Ш2 | 3916,146 | 2202,832 | 1409,812 | 979,036 | 719,292 | 550,708 | 435,127 | 352,453 | 291,284 | 244,759 | 179,823 | 137,677 | 108,782 | 88,113 | 72,821 | 61,190 | 52,138 | 44,956 |
| 45Ш3 | 4485,255 | 2522,956 | 1614,692 | 1121,314 | 823,822 | 630,739 | 498,362 | 403,673 | 333,614 | 280,328 | 205,956 | 157,685 | 124,590 | 100,918 | 83,404 | 70,082 | 59,715 | 51,489 |
| 45Ш4 | 5611,897 | 3156,692 | 2020,283 | 1402,974 | 1030,757 | 789,173 | 623,544 | 505,071 | 417,414 | 350,744 | 257,689 | 197,293 | 155,886 | 126,268 | 104,353 | 87,686 | 74,715 | 64,422 |
| 45Ш5 | 6546,560 | 3682,440 | 2356,762 | 1636,640 | 1202,429 | 920,610 | 727,396 | 589,190 | 486,934 | 409,160 | 300,607 | 230,153 | 181,849 | 147,298 | 121,734 | 102,290 | 87,158 | 75,152 |
| 45Ш6 | 8005,632 | 4503,168 | 2882,028 | 2001,408 | 1470,422 | 1125,792 | 889,515 | 720,507 | 595,460 | 500,352 | 367,606 | 281,448 | 222,379 | 180,127 | 148,865 | 125,088 | 106,584 | 91,901 |
| 50Ш1 | 3295,467 | 1853,700 | 1186,368 | 823,867 | 605,290 | 463,425 | 366,163 | 296,592 | 245,117 | 205,967 | 151,322 | 115,856 | 91,541 | 74,148 | 61,279 | 51,492 | 43,875 | 37,831 |
| 50Ш2 | 3882,731 | 2184,036 | 1397,783 | 970,683 | 713,155 | 546,009 | 431,415 | 349,446 | 288,798 | 242,671 | 178,289 | 136,502 | 107,854 | 87,361 | 72,200 | 60,668 | 51,693 | 44,572 |
| 50Ш3 | 4453,156 | 2504,900 | 1603,136 | 1113,289 | 817,927 | 626,225 | 494,795 | 400,784 | 331,226 | 278,322 | 204,482 | 156,556 | 123,699 | 100,196 | 82,807 | 69,581 | 59,288 | 51,120 |
| 50Ш4 | 5023,975 | 2825,986 | 1808,631 | 1255,994 | 922,771 | 706,497 | 558,219 | 452,158 | 373,684 | 313,998 | 230,693 | 176,624 | 139,555 | 113,039 | 93,421 | 78,500 | 66,887 | 57,673 |
| 50Ш5 | 5954,336 | 3349,314 | 2143,561 | 1488,584 | 1093,654 | 837,329 | 661,593 | 535,890 | 442,884 | 372,146 | 273,413 | 209,332 | 165,398 | 133,973 | 110,721 | 93,037 | 79,274 | 68,353 |
| 50Ш6 | 6931,328 | 3898,872 | 2495,278 | 1732,832 | 1273,101 | 974,718 | 770,148 | 623,820 | 515,553 | 433,208 | 318,275 | 243,680 | 192,537 | 155,955 | 128,888 | 108,302 | 92,281 | 79,569 |
| 50Ш7 | 8382,976 | 4715,424 | 3017,871 | 2095,744 | 1539,730 | 1178,856 | 931,442 | 754,468 | 623,527 | 523,936 | 384,933 | 294,714 | 232,860 | 188,617 | 155,882 | 130,984 | 111,608 | 96,233 |
| 50Ш8 | 10038,400 | 5646,600 | 3613,824 | 2509,600 | 1843,788 | 1411,650 | 1115,378 | 903,456 | 746,658 | 627,400 | 460,947 | 352,913 | 278,844 | 225,864 | 186,664 | 156,850 | 133,647 | 115,237 |
| 60Ш1 | 4643,648 | 2612,052 | 1671,713 | 1160,912 | 852,915 | 653,013 | 515,961 | 417,928 | 345,395 | 290,228 | 213,229 | 163,253 | 128,990 | 104,482 | 86,349 | 72,557 | 61,824 | 53,307 |
| 60Ш2 | 5637,550 | 3171,122 | 2029,518 | 1409,388 | 1035,468 | 792,781 | 626,394 | 507,380 | 419,322 | 352,347 | 258,867 | 198,195 | 156,599 | 126,845 | 104,830 | 88,087 | 75,056 | 64,717 |
| 60Ш3 | 6612,772 | 3719,684 | 2380,598 | 1653,193 | 1214,591 | 929,921 | 734,752 | 595,149 | 491,859 | 413,298 | 303,648 | 232,480 | 183,688 | 148,787 | 122,965 | 103,325 | 88,040 | 75,912 |
| 60Ш4 | 7587,072 | 4267,728 | 2731,346 | 1896,768 | 1393,544 | 1066,932 | 843,008 | 682,836 | 564,328 | 474,192 | 348,386 | 266,733 | 210,752 | 170,709 | 141,082 | 118,548 | 101,011 | 87,096 |
| 60Ш5 | 8747,008 | 4920,192 | 3148,923 | 2186,752 | 1606,593 | 1230,048 | 971,890 | 787,231 | 650,604 | 546,688 | 401,648 | 307,512 | 242,972 | 196,808 | 162,651 | 136,672 | 116,454 | 100,412 |
| 60Ш6 | 10818,944 | 6085,656 | 3894,820 | 2704,736 | 1987,153 | 1521,414 | 1202,105 | 973,705 | 804,715 | 676,184 | 496,788 | 380,354 | 300,526 | 243,426 | 201,179 | 169,046 | 144,039 | 124,197 |
| 60Ш7 | 12648,192 | 7114,608 | 4553,349 | 3162,048 | 2323,137 | 1778,652 | 1405,355 | 1138,337 | 940,775 | 790,512 | 580,784 | 444,663 | 351,339 | 284,584 | 235,194 | 197,628 | 168,393 | 145,196 |
| 60Ш8 | 15227,776 | 8565,624 | 5481,999 | 3806,944 | 2796,938 | 2141,406 | 1691,975 | 1370,500 | 1132,644 | 951,736 | 699,235 | 535,352 | 422,994 | 342,625 | 283,161 | 237,934 | 202,737 | 174,809 |
| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 70Ш1 | 6556,334 | 3687,938 | 2360,280 | 1639,084 | 1204,225 | 921,985 | 728,482 | 590,070 | 487,661 | 409,771 | 301,056 | 230,496 | 182,120 | 147,518 | 121,915 | 102,443 | 87,288 | 75,264 |
| 70Ш2 | 7493,404 | 4215,040 | 2697,626 | 1873,351 | 1376,340 | 1053,760 | 832,600 | 674,406 | 557,361 | 468,338 | 344,085 | 263,440 | 208,150 | 168,602 | 139,340 | 117,084 | 99,764 | 86,021 |
| 70Ш3 | 8895,655 | 5003,806 | 3202,436 | 2223,914 | 1633,896 | 1250,952 | 988,406 | 800,609 | 661,660 | 555,978 | 408,474 | 312,738 | 247,102 | 200,152 | 165,415 | 138,995 | 118,433 | 102,118 |
| 70Ш4 | 9851,136 | 5541,264 | 3546,409 | 2462,784 | 1809,392 | 1385,316 | 1094,571 | 886,602 | 732,729 | 615,696 | 452,348 | 346,329 | 273,643 | 221,651 | 183,182 | 153,924 | 131,154 | 113,087 |
| 70Ш5 | 11292,032 | 6351,768 | 4065,132 | 2823,008 | 2074,047 | 1587,942 | 1254,670 | 1016,283 | 839,903 | 705,752 | 518,512 | 396,986 | 313,668 | 254,071 | 209,976 | 176,438 | 150,338 | 129,628 |
| 70Ш6 | 13950,976 | 7847,424 | 5022,351 | 3487,744 | 2562,424 | 1961,856 | 1550,108 | 1255,588 | 1037,676 | 871,936 | 640,606 | 490,464 | 387,527 | 313,897 | 259,419 | 217,984 | 185,738 | 160,152 |
| 70Ш7 | 16767,616 | 9431,784 | 6036,342 | 4191,904 | 3079,766 | 2357,946 | 1863,068 | 1509,085 | 1247,178 | 1047,976 | 769,942 | 589,487 | 465,767 | 377,271 | 311,795 | 261,994 | 223,237 | 192,485 |
| 70Ш8 | 19658,613 | 11057,970 | 7077,101 | 4914,653 | 3610,766 | 2764,493 | 2184,290 | 1769,275 | 1462,211 | 1228,663 | 902,691 | 691,123 | 546,073 | 442,319 | 365,553 | 307,166 | 261,727 | 225,673 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | 251,307 | 141,360 | 90,470 | 62,827 | 46,158 | 35,340 | 27,923 | 22,618 | 18,692 | 15,707 | 11,540 | 8,835 | 6,981 | 5,654 | 4,673 | 3,927 | 3,346 | 2,885 |
| 15К2 | 295,623 | 166,288 | 106,424 | 73,906 | 54,298 | 41,572 | 32,847 | 26,606 | 21,988 | 18,476 | 13,575 | 10,393 | 8,212 | 6,652 | 5,497 | 4,619 | 3,936 | 3,394 |
| 15К3 | 359,410 | 202,168 | 129,388 | 89,852 | 66,014 | 50,542 | 39,934 | 32,347 | 26,733 | 22,463 | 16,504 | 12,636 | 9,984 | 8,087 | 6,683 | 5,616 | 4,785 | 4,126 |
| 15К4 | 432,292 | 243,164 | 155,625 | 108,073 | 79,400 | 60,791 | 48,032 | 38,906 | 32,154 | 27,018 | 19,850 | 15,198 | 12,008 | 9,727 | 8,038 | 6,755 | 5,755 | 4,963 |
| 15К5 | 521,749 | 293,484 | 187,830 | 130,437 | 95,832 | 73,371 | 57,972 | 46,957 | 38,808 | 32,609 | 23,958 | 18,343 | 14,493 | 11,739 | 9,702 | 8,152 | 6,946 | 5,989 |
| 20К1 | 530,311 | 298,300 | 190,912 | 132,578 | 97,404 | 74,575 | 58,923 | 47,728 | 39,445 | 33,144 | 24,351 | 18,644 | 14,731 | 11,932 | 9,861 | 8,286 | 7,060 | 6,088 |
| 20К2 | 620,416 | 348,984 | 223,350 | 155,104 | 113,954 | 87,246 | 68,935 | 55,837 | 46,147 | 38,776 | 28,488 | 21,812 | 17,234 | 13,959 | 11,537 | 9,694 | 8,260 | 7,122 |
| 20К3 | 722,635 | 406,482 | 260,148 | 180,659 | 132,729 | 101,621 | 80,293 | 65,037 | 53,750 | 45,165 | 33,182 | 25,405 | 20,073 | 16,259 | 13,437 | 11,291 | 9,621 | 8,296 |
| 20К4 | 872,345 | 490,694 | 314,044 | 218,086 | 160,227 | 122,674 | 96,927 | 78,511 | 64,885 | 54,522 | 40,057 | 30,668 | 24,232 | 19,628 | 16,221 | 13,630 | 11,614 | 10,014 |
| 20К5 | 979,957 | 551,226 | 352,785 | 244,989 | 179,992 | 137,807 | 108,884 | 88,196 | 72,889 | 61,247 | 44,998 | 34,452 | 27,221 | 22,049 | 18,222 | 15,312 | 13,047 | 11,250 |
| 20К6 | 1134,798 | 638,324 | 408,527 | 283,700 | 208,432 | 159,581 | 126,089 | 102,132 | 84,406 | 70,925 | 52,108 | 39,895 | 31,522 | 25,533 | 21,102 | 17,731 | 15,108 | 13,027 |
| 20К7 | 1296,612 | 729,344 | 466,780 | 324,153 | 238,153 | 182,336 | 144,068 | 116,695 | 96,442 | 81,038 | 59,538 | 45,584 | 36,017 | 29,174 | 24,111 | 20,260 | 17,263 | 14,885 |
| 20К8 | 1503,943 | 845,968 | 541,420 | 375,986 | 276,234 | 211,492 | 167,105 | 135,355 | 111,864 | 93,996 | 69,059 | 52,873 | 41,776 | 33,839 | 27,966 | 23,499 | 20,023 | 17,265 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

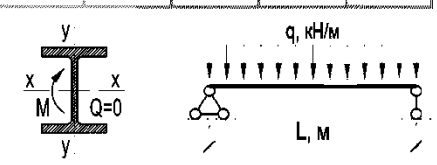


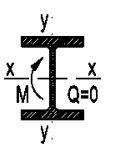
Таблица 6.4.1

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25К1 | 980,878 | 551,744 | 353,116 | 245,220 | 180,161 | 137,936 | 108,986 | 88,279 | 72,958 | 61,305 | 45,040 | 34,484 | 27,247 | 22,070 | 18,239 | 15,326 | 13,059 | 11,260 |
| 25К2 | 1140,060 | 641,284 | 410,422 | 285,015 | 209,399 | 160,321 | 126,673 | 102,605 | 84,798 | 71,254 | 52,350 | 40,080 | 31,668 | 25,651 | 21,199 | 17,813 | 15,178 | 13,087 |
| 25К3 | 1263,986 | 710,992 | 455,035 | 315,996 | 232,161 | 177,748 | 140,443 | 113,759 | 94,015 | 78,999 | 58,040 | 44,437 | 35,111 | 28,440 | 23,504 | 19,750 | 16,828 | 14,510 |
| 25К4 | 1425,931 | 802,086 | 513,335 | 356,483 | 261,906 | 200,522 | 158,437 | 128,334 | 106,061 | 89,121 | 65,476 | 50,130 | 39,609 | 32,083 | 26,515 | 22,280 | 18,984 | 16,369 |
| 25К5 | 1631,289 | 917,600 | 587,264 | 407,822 | 299,624 | 229,400 | 181,254 | 146,816 | 121,336 | 101,956 | 74,906 | 57,350 | 45,314 | 36,704 | 30,334 | 25,489 | 21,718 | 18,727 |
| 25К6 | 1832,306 | 1030,672 | 659,630 | 458,076 | 336,546 | 257,668 | 203,590 | 164,908 | 136,287 | 114,519 | 84,136 | 64,417 | 50,897 | 41,227 | 34,072 | 28,630 | 24,395 | 21,034 |
| 25К7 | 2152,644 | 1210,862 | 774,952 | 538,161 | 395,384 | 302,716 | 239,183 | 193,738 | 160,114 | 134,540 | 98,846 | 75,679 | 59,796 | 48,434 | 40,028 | 33,635 | 28,659 | 24,711 |
| 25К8 | 2450,354 | 1378,324 | 882,127 | 612,588 | 450,065 | 344,581 | 272,262 | 220,532 | 182,258 | 153,147 | 112,516 | 86,145 | 68,065 | 55,133 | 45,564 | 38,287 | 32,623 | 28,129 |
| 25К9 | 2678,144 | 1506,456 | 964,132 | 669,536 | 491,904 | 376,614 | 297,572 | 241,033 | 199,201 | 167,384 | 122,976 | 94,154 | 74,393 | 60,258 | 49,800 | 41,846 | 35,656 | 30,744 |
| 25К10 | 3102,336 | 1745,064 | 1116,841 | 775,584 | 569,817 | 436,266 | 344,704 | 279,210 | 230,752 | 193,896 | 142,454 | 109,067 | 86,176 | 69,803 | 57,688 | 48,474 | 41,303 | 35,614 |
| 30К1 | 1664,309 | 936,174 | 599,151 | 416,077 | 305,689 | 234,044 | 184,923 | 149,788 | 123,792 | 104,019 | 76,422 | 58,511 | 46,231 | 37,447 | 30,948 | 26,005 | 22,158 | 19,106 |
| 30К2 | 1790,076 | 1006,918 | 644,428 | 447,519 | 328,790 | 251,730 | 198,897 | 161,107 | 133,146 | 111,880 | 82,197 | 62,932 | 49,724 | 40,277 | 33,287 | 27,970 | 23,832 | 20,549 |
| 30К3 | 1888,743 | 1062,418 | 679,948 | 472,186 | 346,912 | 265,605 | 209,860 | 169,987 | 140,485 | 118,046 | 86,728 | 66,401 | 52,465 | 42,497 | 35,121 | 29,512 | 25,146 | 21,682 |
| 30К4 | 2023,588 | 1138,268 | 728,492 | 505,897 | 371,679 | 284,567 | 224,843 | 182,123 | 150,515 | 126,474 | 92,920 | 71,142 | 56,211 | 45,531 | 37,629 | 31,619 | 26,941 | 23,230 |
| 30К5 | 2252,100 | 1266,806 | 810,756 | 563,025 | 413,651 | 316,702 | 250,233 | 202,689 | 167,512 | 140,756 | 103,413 | 79,175 | 62,558 | 50,672 | 41,878 | 35,189 | 29,984 | 25,853 |
| 30К6 | 2488,505 | 1399,784 | 895,862 | 622,126 | 457,072 | 349,946 | 276,501 | 223,965 | 185,095 | 155,532 | 114,268 | 87,487 | 69,125 | 55,991 | 46,274 | 38,883 | 33,131 | 28,567 |
| 30К7 | 2725,436 | 1533,058 | 981,157 | 681,359 | 500,590 | 383,265 | 302,826 | 245,289 | 202,718 | 170,340 | 125,148 | 95,816 | 75,707 | 61,322 | 50,680 | 42,585 | 36,285 | 31,287 |
| 30К8 | 3178,514 | 1787,914 | 1144,265 | 794,628 | 583,809 | 446,979 | 353,168 | 286,066 | 236,418 | 198,657 | 145,952 | 111,745 | 88,292 | 71,517 | 59,105 | 49,664 | 42,317 | 36,488 |
| 30К9 | 3593,966 | 2021,606 | 1293,828 | 898,492 | 660,116 | 505,402 | 399,330 | 323,457 | 267,320 | 224,623 | 165,029 | 126,350 | 99,832 | 80,864 | 66,830 | 56,156 | 47,849 | 41,257 |
| 30К10 | 4019,943 | 2261,218 | 1447,180 | 1004,986 | 738,357 | 565,305 | 446,660 | 361,795 | 299,004 | 251,246 | 184,589 | 141,326 | 111,665 | 90,449 | 74,751 | 62,812 | 53,520 | 46,147 |
| 30К11 | 4329,728 | 2435,472 | 1558,702 | 1082,432 | 795,256 | 608,868 | 481,081 | 389,676 | 322,046 | 270,608 | 198,814 | 152,217 | 120,270 | 97,419 | 80,511 | 67,652 | 57,644 | 49,704 |
| 30К12 | 4816,640 | 2709,360 | 1733,990 | 1204,160 | 884,689 | 677,340 | 535,182 | 433,498 | 358,262 | 301,040 | 221,172 | 169,335 | 133,796 | 108,374 | 89,566 | 75,260 | 64,127 | 55,293 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30К13 | 5440,128 | 3060,072 | 1958,446 | 1360,032 | 999,207 | 765,018 | 604,459 | 489,612 | 404,638 | 340,008 | 249,802 | 191,255 | 151,115 | 122,403 | 101,159 | 85,002 | 72,428 | 62,450 |
| 30К14 | 6007,552 | 3379,248 | 2162,719 | 1501,888 | 1103,428 | 844,812 | 667,506 | 540,680 | 446,843 | 375,472 | 275,857 | 211,203 | 166,876 | 135,170 | 111,711 | 93,868 | 79,982 | 68,964 |
| 30К15 | 6603,264 | 3714,336 | 2377,175 | 1650,816 | 1212,844 | 928,584 | 733,696 | 594,294 | 491,152 | 412,704 | 303,211 | 232,146 | 183,424 | 148,573 | 122,788 | 103,176 | 87,913 | 75,803 |
| 30К16 | 7345,792 | 4132,008 | 2644,485 | 1836,448 | 1349,227 | 1033,002 | 816,199 | 661,121 | 546,381 | 459,112 | 337,307 | 258,251 | 204,050 | 165,280 | 136,595 | 114,778 | 97,799 | 84,327 |
| 30К17 | 8100,864 | 4556,736 | 2916,311 | 2025,216 | 1487,914 | 1139,184 | 900,096 | 729,078 | 602,544 | 506,304 | 371,978 | 284,796 | 225,024 | 182,269 | 150,636 | 126,576 | 107,852 | 92,995 |
| 30К18 | 8763,004 | 4929,190 | 3154,682 | 2190,751 | 1609,531 | 1232,298 | 973,667 | 788,670 | 651,794 | 547,688 | 402,383 | 308,074 | 243,417 | 197,168 | 162,948 | 136,922 | 116,667 | 100,596 |
| 30К19 | 9899,556 | 5568,500 | 3563,840 | 2474,889 | 1818,286 | 1392,125 | 1099,951 | 890,960 | 736,331 | 618,722 | 454,571 | 348,031 | 274,988 | 222,740 | 184,083 | 154,681 | 131,799 | 113,643 |
| 30К20 | 11033,244 | 6206,200 | 3971,968 | 2758,311 | 2026,514 | 1551,550 | 1225,916 | 992,992 | 820,655 | 689,578 | 506,629 | 387,888 | 306,479 | 248,248 | 205,164 | 172,394 | 146,892 | 126,657 |
| 30К21 | 12162,510 | 6841,412 | 4378,504 | 3040,628 | 2233,930 | 1710,353 | 1351,390 | 1094,626 | 904,650 | 760,157 | 558,483 | 427,588 | 337,848 | 273,656 | 226,162 | 190,039 | 161,927 | 139,621 |
| 35К1 | 2404,046 | 1352,276 | 865,457 | 601,012 | 441,560 | 338,069 | 267,116 | 216,364 | 178,813 | 150,253 | 110,390 | 84,517 | 66,779 | 54,091 | 44,703 | 37,563 | 32,007 | 27,597 |
| 35К1,5 | 2715,701 | 1527,582 | 977,652 | 678,925 | 498,802 | 381,896 | 301,745 | 244,413 | 201,994 | 169,731 | 124,701 | 95,474 | 75,436 | 61,103 | 50,499 | 42,433 | 36,156 | 31,175 |
| 35К2 | 3029,198 | 1703,924 | 1090,511 | 757,300 | 556,383 | 425,981 | 336,578 | 272,628 | 225,312 | 189,325 | 139,096 | 106,495 | 84,144 | 68,157 | 56,328 | 47,331 | 40,330 | 34,774 |
| 35К3 | 3426,496 | 1927,404 | 1233,539 | 856,624 | 629,356 | 481,851 | 380,722 | 308,385 | 254,863 | 214,156 | 157,339 | 120,463 | 95,180 | 77,096 | 63,716 | 53,539 | 45,619 | 39,335 |
| 35К4 | 3826,425 | 2152,364 | 1377,513 | 956,606 | 702,813 | 538,091 | 425,158 | 344,378 | 284,610 | 239,152 | 175,703 | 134,523 | 106,290 | 86,095 | 71,153 | 59,788 | 50,944 | 43,926 |
| 35К5 | 4229,116 | 2378,878 | 1522,482 | 1057,279 | 776,776 | 594,720 | 469,902 | 380,620 | 314,562 | 264,320 | 194,194 | 148,680 | 117,475 | 95,155 | 78,641 | 66,080 | 56,305 | 48,549 |
| 35К6 | 4632,071 | 2605,540 | 1667,546 | 1158,018 | 850,789 | 651,385 | 514,675 | 416,886 | 344,534 | 289,504 | 212,697 | 162,846 | 128,669 | 104,222 | 86,134 | 72,376 | 61,670 | 53,174 |
| 35К7 | 5065,472 | 2849,328 | 1823,570 | 1266,368 | 930,393 | 712,332 | 562,830 | 455,892 | 376,771 | 316,592 | 232,598 | 178,083 | 140,708 | 113,973 | 94,193 | 79,148 | 67,440 | 58,150 |
| 35К8 | 5555,328 | 3124,872 | 1999,918 | 1388,832 | 1020,366 | 781,218 | 617,259 | 499,980 | 413,206 | 347,208 | 255,092 | 195,305 | 154,315 | 124,995 | 103,302 | 86,802 | 73,961 | 63,773 |
| 35К9 | 6123,904 | 3444,696 | 2204,605 | 1530,976 | 1124,799 | 861,174 | 680,434 | 551,151 | 455,497 | 382,744 | 281,200 | 215,294 | 170,108 | 137,788 | 113,874 | 95,686 | 81,531 | 70,300 |
| 35К10 | 6706,304 | 3772,296 | 2414,269 | 1676,576 | 1231,770 | 943,074 | 745,145 | 603,567 | 498,816 | 419,144 | 307,943 | 235,769 | 186,286 | 150,892 | 124,704 | 104,786 | 89,285 | 76,986 |
| 35К11 | 7539,584 | 4241,016 | 2714,250 | 1884,896 | 1384,822 | 1060,254 | 837,732 | 678,563 | 560,796 | 471,224 | 346,205 | 265,064 | 209,433 | 169,641 | 140,199 | 117,806 | 100,379 | 86,551 |
| 35К12 | 8392,448 | 4720,752 | 3021,281 | 2098,112 | 1541,470 | 1180,188 | 932,494 | 755,320 | 624,232 | 524,528 | 385,368 | 295,047 | 233,124 | 188,830 | 156,058 | 131,132 | 111,734 | 96,342 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



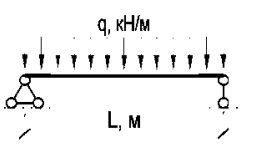



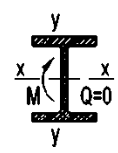
Таблица 6.4.1

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **35К13** | 9257,216 | 5207,184 | 3332,598 | 2314,304 | 1700,305 | 1301,796 | 1028,580 | 833,149 | 688,553 | 578,576 | 425,076 | 325,449 | 257,145 | 208,287 | 172,138 | 144,644 | 123,247 | 106,269 |
| **35К14** | 9853,013 | 5542,320 | 3547,085 | 2463,253 | 1809,737 | 1385,580 | 1094,779 | 886,771 | 732,869 | 615,813 | 452,434 | 346,395 | 273,695 | 221,693 | 183,217 | 153,953 | 131,179 | 113,109 |
| **35К15** | 10893,493 | 6127,590 | 3921,658 | 2723,373 | 2000,846 | 1531,898 | 1210,388 | 980,414 | 810,260 | 680,843 | 500,211 | 382,974 | 302,597 | 245,104 | 202,565 | 170,211 | 145,032 | 125,053 |
| **35К16** | 12338,667 | 6940,500 | 4441,920 | 3084,667 | 2266,286 | 1735,125 | 1370,963 | 1110,480 | 917,752 | 771,167 | 566,571 | 433,781 | 342,741 | 277,620 | 229,438 | 192,792 | 164,272 | 141,643 |
| **35К17** | 13623,431 | 7663,180 | 4904,435 | 3405,858 | 2502,263 | 1915,795 | 1513,715 | 1226,109 | 1013,313 | 851,464 | 625,566 | 478,949 | 378,429 | 306,527 | 253,328 | 212,866 | 181,377 | 156,391 |
| **35К18** | 14692,956 | 8264,788 | 5289,464 | 3673,239 | 2698,706 | 2066,197 | 1632,551 | 1322,366 | 1092,865 | 918,310 | 674,677 | 516,549 | 408,138 | 330,592 | 273,216 | 229,577 | 195,616 | 168,669 |
| **35К19** | 16363,157 | 9204,276 | 5890,737 | 4090,789 | 3005,478 | 2301,069 | 1818,129 | 1472,684 | 1217,094 | 1022,697 | 751,369 | 575,267 | 454,532 | 368,171 | 304,274 | 255,674 | 217,853 | 187,842 |
| **35К20** | 17196,373 | 9672,960 | 6190,694 | 4299,093 | 3158,518 | 2418,240 | 1910,708 | 1547,674 | 1279,069 | 1074,773 | 789,629 | 604,560 | 477,677 | 386,918 | 319,767 | 268,693 | 228,946 | 197,407 |
| **35К21** | 19133,668 | 10762,688 | 6888,120 | 4783,417 | 3514,347 | 2690,672 | 2125,963 | 1722,030 | 1423,165 | 1195,854 | 878,587 | 672,668 | 531,491 | 430,508 | 355,791 | 298,964 | 254,738 | 219,647 |
| **35К22** | 21324,686 | 11995,136 | 7676,887 | 5331,172 | 3916,779 | 2998,784 | 2369,410 | 1919,222 | 1586,134 | 1332,793 | 979,195 | 749,696 | 592,352 | 479,805 | 396,533 | 333,198 | 283,909 | 244,799 |
| **35К23** | 23810,162 | 13393,216 | 8571,658 | 5952,540 | 4373,295 | 3348,304 | 2645,574 | 2142,915 | 1771,004 | 1488,135 | 1093,324 | 837,076 | 661,393 | 535,729 | 442,751 | 372,034 | 316,999 | 273,331 |
| **35К24** | 26554,254 | 14936,768 | 9559,532 | 6638,564 | 4877,312 | 3734,192 | 2950,473 | 2389,883 | 1975,110 | 1659,641 | 1219,328 | 933,548 | 737,618 | 597,471 | 493,777 | 414,910 | 353,533 | 304,832 |
| **40К1** | 3749,465 | 2109,074 | 1349,807 | 937,366 | 688,677 | 527,269 | 416,607 | 337,452 | 278,886 | 234,342 | 172,169 | 131,817 | 104,152 | 84,363 | 69,721 | 58,585 | 49,919 | 43,042 |
| **40К2** | 4382,379 | 2465,088 | 1577,656 | 1095,595 | 804,927 | 616,272 | 486,931 | 394,414 | 325,962 | 273,899 | 201,232 | 154,068 | 121,733 | 98,604 | 81,491 | 68,475 | 58,345 | 50,308 |
| **40К3** | 5057,522 | 2844,856 | 1820,708 | 1264,380 | 928,933 | 711,214 | 561,947 | 455,177 | 376,179 | 316,095 | 232,233 | 177,804 | 140,487 | 113,794 | 94,045 | 79,024 | 67,334 | 58,058 |
| **40К4** | 5896,057 | 3316,532 | 2122,580 | 1474,014 | 1082,949 | 829,133 | 655,117 | 530,645 | 438,550 | 368,504 | 270,737 | 207,283 | 163,779 | 132,661 | 109,637 | 92,126 | 78,498 | 67,684 |
| **40К4,5** | 6316,544 | 3553,056 | 2273,956 | 1579,136 | 1160,182 | 888,264 | 701,838 | 568,489 | 469,826 | 394,784 | 290,045 | 222,066 | 175,460 | 142,122 | 117,456 | 98,696 | 84,096 | 72,511 |
| **40К5** | 7178,240 | 4037,760 | 2584,166 | 1794,560 | 1318,452 | 1009,440 | 797,582 | 646,042 | 533,919 | 448,640 | 329,613 | 252,360 | 199,396 | 161,510 | 133,480 | 112,160 | 95,568 | 82,403 |
| **40К6** | 7506,688 | 4222,512 | 2702,408 | 1876,672 | 1378,779 | 1055,628 | 834,076 | 675,602 | 558,349 | 469,168 | 344,695 | 263,907 | 208,519 | 168,900 | 139,587 | 117,292 | 99,941 | 86,174 |
| **40К7** | 8462,976 | 4760,424 | 3046,671 | 2115,744 | 1554,424 | 1190,106 | 940,331 | 761,668 | 629,478 | 528,936 | 388,606 | 297,527 | 235,083 | 190,417 | 157,369 | 132,234 | 112,673 | 97,152 |
| **40К8** | 9429,632 | 5304,168 | 3394,668 | 2357,408 | 1731,973 | 1326,042 | 1047,737 | 848,667 | 701,378 | 589,352 | 432,993 | 331,511 | 261,934 | 212,167 | 175,344 | 147,338 | 125,542 | 108,248 |
| **40К9** | 10607,232 | 5966,568 | 3818,604 | 2651,808 | 1948,267 | 1491,642 | 1178,581 | 954,651 | 788,968 | 662,952 | 487,067 | 372,911 | 294,645 | 238,663 | 197,242 | 165,738 | 141,221 | 121,767 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40К10** | 11649,369 | 6552,770 | 4193,773 | 2912,342 | 2139,680 | 1638,193 | 1294,374 | 1048,443 | 866,482 | 728,086 | 534,920 | 409,548 | 323,594 | 262,111 | 216,620 | 182,021 | 155,095 | 133,730 |
| **40К11** | 13181,404 | 7414,540 | 4745,306 | 3295,351 | 2421,074 | 1853,635 | 1464,600 | 1186,326 | 980,435 | 823,838 | 605,269 | 463,409 | 366,150 | 296,582 | 245,109 | 205,959 | 175,492 | 151,317 |
| **40К12** | 14825,067 | 8339,100 | 5337,024 | 3706,267 | 2722,971 | 2084,775 | 1647,230 | 1334,256 | 1102,691 | 926,567 | 680,743 | 521,194 | 411,807 | 333,564 | 275,673 | 231,642 | 197,375 | 170,186 |
| **40К13** | 16218,212 | 9122,744 | 5838,556 | 4054,553 | 2978,855 | 2280,686 | 1802,024 | 1459,639 | 1206,313 | 1013,638 | 744,714 | 570,172 | 450,506 | 364,910 | 301,578 | 253,410 | 215,923 | 186,178 |
| **40К14** | 18287,225 | 10286,564 | 6583,401 | 4571,806 | 3358,878 | 2571,641 | 2031,914 | 1645,850 | 1360,207 | 1142,952 | 839,720 | 642,910 | 507,978 | 411,463 | 340,052 | 285,738 | 243,469 | 209,930 |
| **40К15** | 19459,982 | 10946,240 | 7005,594 | 4864,996 | 3574,282 | 2736,560 | 2162,220 | 1751,398 | 1447,437 | 1216,249 | 893,571 | 684,140 | 540,555 | 437,850 | 361,859 | 304,062 | 259,083 | 223,393 |
| **40К16** | 22029,881 | 12391,808 | 7930,757 | 5507,470 | 4046,305 | 3097,952 | 2447,765 | 1982,689 | 1638,586 | 1376,868 | 1011,576 | 774,488 | 611,941 | 495,672 | 409,647 | 344,217 | 293,297 | 252,894 |
| **40К17** | 25118,834 | 14129,344 | 9042,780 | 6279,708 | 4613,663 | 3532,336 | 2790,982 | 2260,695 | 1868,343 | 1569,927 | 1153,416 | 883,084 | 697,745 | 565,174 | 467,086 | 392,482 | 334,422 | 288,354 |
| **40К18** | 28557,995 | 16063,872 | 10280,878 | 7139,499 | 5245,346 | 4015,968 | 3173,111 | 2570,220 | 2124,148 | 1784,875 | 1311,336 | 1003,992 | 793,278 | 642,555 | 531,037 | 446,219 | 380,210 | 327,834 |
| **40К19** | 32435,996 | 18245,248 | 11676,959 | 8108,999 | 5957,632 | 4561,312 | 3604,000 | 2919,240 | 2412,595 | 2027,250 | 1489,408 | 1140,328 | 901,000 | 729,810 | 603,149 | 506,812 | 431,840 | 372,352 |
| | **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | |
| **13С1** | 187,278 | 105,344 | 67,420 | 46,819 | 34,398 | 26,336 | 20,809 | 16,855 | 13,930 | 11,705 | 8,599 | 6,584 | 5,202 | 4,214 | 3,482 | 2,926 | 2,493 | 2,150 |
| **20С1** | 655,410 | 368,668 | 235,948 | 163,852 | 120,381 | 92,167 | 72,823 | 58,987 | 48,749 | 40,963 | 30,095 | 23,042 | 18,206 | 14,747 | 12,187 | 10,241 | 8,726 | 7,524 |
| **25С1** | 947,595 | 533,022 | 341,134 | 236,899 | 174,048 | 133,256 | 105,288 | 85,284 | 70,482 | 59,225 | 43,512 | 33,314 | 26,322 | 21,321 | 17,621 | 14,806 | 12,616 | 10,878 |
| **25С2** | 1208,601 | 679,838 | 435,096 | 302,150 | 221,988 | 169,960 | 134,289 | 108,774 | 89,896 | 75,538 | 55,497 | 42,490 | 33,572 | 27,194 | 22,474 | 18,884 | 16,091 | 13,874 |
| **30С1** | 1509,337 | 849,002 | 543,361 | 377,334 | 277,225 | 212,251 | 167,704 | 135,840 | 112,265 | 94,334 | 69,306 | 53,063 | 41,926 | 33,960 | 28,066 | 23,583 | 20,095 | 17,327 |
| **30С2** | 1888,743 | 1062,418 | 679,948 | 472,186 | 346,912 | 265,605 | 209,860 | 169,987 | 140,485 | 118,046 | 86,728 | 66,401 | 52,465 | 42,497 | 35,121 | 29,512 | 25,146 | 21,682 |
| **32С1** | 3299,782 | 1856,127 | 1187,921 | 824,945 | 606,082 | 464,032 | 366,642 | 296,980 | 245,438 | 206,236 | 151,521 | 116,008 | 91,661 | 74,245 | 61,360 | 51,559 | 43,932 | 37,880 |
| **32С2** | 3992,563 | 2245,817 | 1437,323 | 998,141 | 733,328 | 561,454 | 443,618 | 359,331 | 296,968 | 249,535 | 183,332 | 140,364 | 110,905 | 89,833 | 74,242 | 62,384 | 53,155 | 45,833 |
| **35С1** | 2194,478 | 1234,394 | 790,012 | 548,620 | 403,067 | 308,599 | 243,831 | 197,503 | 163,226 | 137,155 | 100,767 | 77,150 | 60,958 | 49,376 | 40,806 | 34,289 | 29,216 | 25,192 |
| **35С2** | 2702,414 | 1520,108 | 972,869 | 675,604 | 496,362 | 380,027 | 300,268 | 243,217 | 201,006 | 168,901 | 124,090 | 95,007 | 75,067 | 60,804 | 50,252 | 42,225 | 35,979 | 31,023 |
| **35С3** | 3217,323 | 1809,744 | 1158,236 | 804,331 | 590,937 | 452,436 | 357,480 | 289,559 | 239,305 | 201,083 | 147,734 | 113,109 | 89,370 | 72,390 | 59,826 | 50,271 | 42,834 | 36,934 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



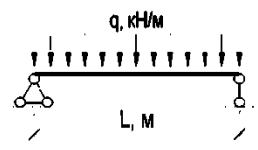



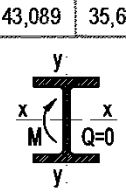
Таблица 6.4.1

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40С1 | 3320,594 | 1867,834 | 1195,414 | 830,148 | 609,905 | 466,959 | 368,955 | 298,853 | 246,986 | 207,537 | 152,476 | 116,740 | 92,239 | 74,713 | 61,747 | 51,884 | 44,209 | 38,119 |
| 40С2 | 3987,712 | 2243,088 | 1435,576 | 996,928 | 732,437 | 560,772 | 443,079 | 358,894 | 296,607 | 249,232 | 183,109 | 140,193 | 110,770 | 89,724 | 74,152 | 62,308 | 53,091 | 45,777 |
| 40С3 | 4662,987 | 2622,930 | 1678,675 | 1165,747 | 856,467 | 655,733 | 518,110 | 419,669 | 346,834 | 291,437 | 214,117 | 163,933 | 129,527 | 104,917 | 86,708 | 72,859 | 62,081 | 53,529 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 336,832 | 189,468 | 121,260 | 84,208 | 61,867 | 47,367 | 37,426 | 30,315 | 25,054 | 21,052 | 15,467 | 11,842 | 9,356 | 7,579 | 6,263 | 5,263 | 4,484 | 3,867 |
| 20ДБ2 | 393,088 | 221,112 | 141,512 | 98,272 | 72,200 | 55,278 | 43,676 | 35,378 | 29,238 | 24,568 | 18,050 | 13,820 | 10,919 | 8,844 | 7,309 | 6,142 | 5,233 | 4,512 |
| 25ДБ1 | 474,375 | 266,836 | 170,775 | 118,594 | 87,130 | 66,709 | 52,708 | 42,694 | 35,284 | 29,648 | 21,783 | 16,677 | 13,177 | 10,673 | 8,821 | 7,412 | 6,316 | 5,446 |
| 25ДБ2 | 569,109 | 320,124 | 204,879 | 142,277 | 104,530 | 80,031 | 63,234 | 51,220 | 42,330 | 35,569 | 26,133 | 20,008 | 15,809 | 12,805 | 10,583 | 8,892 | 7,577 | 6,533 |
| 25ДБ3 | 663,172 | 373,034 | 238,742 | 165,793 | 121,807 | 93,259 | 73,686 | 59,685 | 49,327 | 41,448 | 30,452 | 23,315 | 18,421 | 14,921 | 12,332 | 10,362 | 8,829 | 7,613 |
| 25ДБ4 | 511,936 | 287,964 | 184,297 | 127,984 | 94,029 | 71,991 | 56,882 | 46,074 | 38,078 | 31,996 | 23,507 | 17,998 | 14,220 | 11,519 | 9,519 | 7,999 | 6,816 | 5,877 |
| 25ДБ5 | 603,314 | 339,364 | 217,193 | 150,828 | 110,813 | 84,841 | 67,035 | 54,298 | 44,875 | 37,707 | 27,703 | 21,210 | 16,759 | 13,575 | 11,219 | 9,427 | 8,032 | 6,926 |
| 25ДБ6 | 703,033 | 395,456 | 253,092 | 175,758 | 129,128 | 98,864 | 78,115 | 63,273 | 52,292 | 43,940 | 32,282 | 24,716 | 19,529 | 15,818 | 13,073 | 10,985 | 9,360 | 8,071 |
| 30ДБ1 | 474,510 | 266,912 | 170,824 | 118,628 | 87,155 | 66,728 | 52,723 | 42,706 | 35,294 | 29,657 | 21,789 | 16,682 | 13,181 | 10,676 | 8,824 | 7,414 | 6,317 | 5,447 |
| 30ДБ2 | 546,087 | 307,174 | 196,591 | 136,522 | 100,302 | 76,794 | 60,676 | 49,148 | 40,618 | 34,130 | 25,075 | 19,198 | 15,169 | 12,287 | 10,155 | 8,533 | 7,270 | 6,269 |
| 30ДБ3 | 744,868 | 418,988 | 268,152 | 186,217 | 136,812 | 104,747 | 82,763 | 67,038 | 55,403 | 46,554 | 34,203 | 26,187 | 20,691 | 16,760 | 13,851 | 11,639 | 9,917 | 8,551 |
| 30ДБ4 | 837,351 | 471,010 | 301,446 | 209,338 | 153,799 | 117,753 | 93,039 | 75,362 | 62,282 | 52,334 | 38,450 | 29,438 | 23,260 | 18,840 | 15,571 | 13,084 | 11,148 | 9,612 |
| 30ДБ5 | 985,483 | 554,334 | 354,774 | 246,371 | 181,007 | 138,584 | 109,498 | 88,693 | 73,300 | 61,593 | 45,252 | 34,646 | 27,375 | 22,173 | 18,325 | 15,398 | 13,120 | 11,313 |
| 30ДБ6 | 737,369 | 414,770 | 265,453 | 184,342 | 135,435 | 103,693 | 81,930 | 66,363 | 54,846 | 46,086 | 33,859 | 25,923 | 20,482 | 16,591 | 13,711 | 11,521 | 9,817 | 8,465 |
| 30ДБ7 | 849,454 | 477,818 | 305,804 | 212,364 | 156,022 | 119,455 | 94,384 | 76,451 | 63,183 | 53,091 | 39,006 | 29,864 | 23,596 | 19,113 | 15,796 | 13,273 | 11,309 | 9,751 |
| 30ДБ8 | 991,403 | 557,664 | 356,905 | 247,851 | 182,094 | 139,416 | 110,156 | 89,226 | 73,741 | 61,963 | 45,524 | 34,854 | 27,539 | 22,307 | 18,435 | 15,491 | 13,199 | 11,381 |
| 35ДБ1 | 640,156 | 360,088 | 230,456 | 160,039 | 117,580 | 90,022 | 71,128 | 57,614 | 47,615 | 40,010 | 29,395 | 22,506 | 17,782 | 14,404 | 11,904 | 10,002 | 8,523 | 7,349 |
| 35ДБ2 | 763,285 | 429,348 | 274,783 | 190,821 | 140,195 | 107,337 | 84,809 | 68,696 | 56,773 | 47,705 | 35,049 | 26,834 | 21,202 | 17,174 | 14,193 | 11,926 | 10,162 | 8,762 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35ДБ3 | 934,023 | 525,388 | 336,248 | 233,506 | 171,555 | 131,347 | 103,780 | 84,062 | 69,473 | 58,376 | 42,889 | 32,837 | 25,945 | 21,016 | 17,368 | 14,594 | 12,435 | 10,722 |
| 35ДБ4 | 1047,314 | 589,114 | 377,033 | 261,828 | 192,364 | 147,279 | 116,368 | 94,258 | 77,899 | 65,457 | 48,091 | 36,820 | 29,092 | 23,565 | 19,475 | 16,364 | 13,944 | 12,023 |
| 35ДБ5 | 1179,790 | 663,632 | 424,724 | 294,948 | 216,696 | 165,908 | 131,088 | 106,181 | 87,753 | 73,737 | 54,174 | 41,477 | 32,772 | 26,545 | 21,938 | 18,434 | 15,707 | 13,544 |
| 35ДБ6 | 1409,223 | 792,688 | 507,320 | 352,306 | 258,837 | 198,172 | 156,580 | 126,830 | 104,818 | 88,076 | 64,709 | 49,543 | 39,145 | 31,708 | 26,205 | 22,019 | 18,762 | 16,177 |
| 35ДБ7 | 1994,251 | 1121,766 | 717,930 | 498,563 | 366,291 | 280,442 | 221,583 | 179,483 | 148,333 | 124,641 | 91,573 | 70,110 | 55,396 | 44,871 | 37,083 | 31,160 | 26,551 | 22,893 |
| 35ДБ8 | 2226,578 | 1252,450 | 801,568 | 556,644 | 408,963 | 313,113 | 247,398 | 200,392 | 165,613 | 139,161 | 102,241 | 78,278 | 61,849 | 50,098 | 41,403 | 34,790 | 29,644 | 25,560 |
| 35ДБ9 | 2423,122 | 1363,006 | 872,324 | 605,780 | 445,063 | 340,752 | 269,236 | 218,081 | 180,232 | 151,445 | 111,266 | 85,188 | 67,309 | 54,520 | 45,058 | 37,861 | 32,260 | 27,816 |
| 35ДБ10 | 2652,818 | 1492,210 | 955,014 | 663,204 | 487,252 | 373,053 | 294,758 | 238,754 | 197,317 | 165,801 | 121,813 | 93,263 | 73,689 | 59,688 | 49,329 | 41,450 | 35,319 | 30,453 |
| 40ДБ1 | 857,145 | 482,144 | 308,572 | 214,286 | 157,435 | 120,536 | 95,238 | 77,143 | 63,755 | 53,572 | 39,359 | 30,134 | 23,810 | 19,286 | 15,939 | 13,393 | 11,412 | 9,840 |
| 40ДБ2 | 1016,530 | 571,798 | 365,951 | 254,132 | 186,710 | 142,950 | 112,948 | 91,488 | 75,610 | 63,533 | 46,677 | 35,737 | 28,237 | 22,872 | 18,902 | 15,883 | 13,534 | 11,669 |
| 40ДБ3 | 1215,310 | 683,612 | 437,512 | 303,828 | 223,220 | 170,903 | 135,034 | 109,378 | 90,395 | 75,957 | 55,805 | 42,726 | 33,759 | 27,344 | 22,599 | 18,989 | 16,180 | 13,951 |
| 40ДБ4 | 1395,541 | 784,992 | 502,395 | 348,885 | 256,324 | 196,248 | 155,060 | 125,599 | 103,801 | 87,221 | 64,081 | 49,062 | 38,765 | 31,400 | 25,950 | 21,805 | 18,580 | 16,020 |
| 40ДБ5 | 1576,036 | 886,520 | 567,373 | 394,009 | 289,476 | 221,630 | 175,115 | 141,843 | 117,226 | 98,502 | 72,369 | 55,408 | 43,779 | 35,461 | 29,306 | 24,626 | 20,983 | 18,092 |
| 40ДБ6 | 1751,662 | 985,310 | 630,598 | 437,916 | 321,734 | 246,328 | 194,629 | 157,650 | 130,289 | 109,479 | 80,433 | 61,582 | 48,657 | 39,412 | 32,572 | 27,370 | 23,321 | 20,108 |
| 40ДБ7 | 1989,909 | 1119,324 | 716,367 | 497,477 | 365,494 | 279,831 | 221,101 | 179,092 | 148,010 | 124,369 | 91,373 | 69,958 | 55,275 | 44,773 | 37,002 | 31,092 | 26,493 | 22,843 |
| 45ДБ1 | 1240,569 | 697,820 | 446,605 | 310,142 | 227,860 | 174,455 | 137,841 | 111,651 | 92,274 | 77,536 | 56,965 | 43,614 | 34,460 | 27,913 | 23,068 | 19,384 | 16,516 | 14,241 |
| 45ДБ2 | 1474,606 | 829,466 | 530,858 | 368,652 | 270,846 | 207,367 | 163,845 | 132,715 | 109,681 | 92,163 | 67,712 | 51,842 | 40,961 | 33,179 | 27,420 | 23,041 | 19,632 | 16,928 |
| 45ДБ3 | 1702,460 | 957,634 | 612,886 | 425,615 | 312,697 | 239,409 | 189,162 | 153,221 | 126,629 | 106,404 | 78,174 | 59,852 | 47,291 | 38,305 | 31,657 | 26,601 | 22,666 | 19,544 |
| 45ДБ4 | 1860,853 | 1046,730 | 669,907 | 465,213 | 341,789 | 261,683 | 206,761 | 167,477 | 138,411 | 116,303 | 85,447 | 65,421 | 51,690 | 41,869 | 34,603 | 29,076 | 24,775 | 21,362 |
| 45ДБ5 | 2066,738 | 1162,540 | 744,026 | 516,684 | 379,605 | 290,635 | 229,638 | 186,006 | 153,724 | 129,171 | 94,901 | 72,659 | 57,409 | 46,502 | 38,431 | 32,293 | 27,516 | 23,725 |
| 45ДБ6 | 1704,960 | 959,040 | 613,786 | 426,240 | 313,156 | 239,760 | 189,440 | 153,446 | 126,815 | 106,560 | 78,289 | 59,940 | 47,360 | 38,362 | 31,704 | 26,640 | 22,699 | 19,572 |
| 45ДБ7 | 1915,054 | 1077,218 | 689,420 | 478,764 | 351,745 | 269,305 | 212,784 | 172,355 | 142,442 | 119,691 | 87,936 | 67,326 | 53,196 | 43,089 | 35,611 | 29,923 | 25,496 | 21,984 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



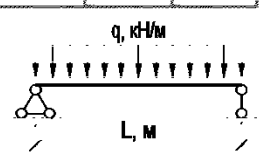



Таблица 6.4.1

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 52,29 | 29,41 | 18,82 | 13,07 | 9,60 | 7,35 | 5,81 | 4,71 | 3,89 | 3,27 | 2,40 | 1,84 | 1,45 | 1,18 | 0,97 | 0,82 | 0,70 | 0,60 |
| 12Б1 | 66,97 | 37,67 | 24,11 | 16,74 | 12,30 | 9,42 | 7,44 | 6,03 | 4,98 | 4,19 | 3,07 | 2,35 | 1,86 | 1,51 | 1,25 | 1,05 | 0,89 | 0,77 |
| 12Б2 | 81,03 | 45,58 | 29,17 | 20,26 | 14,88 | 11,40 | 9,00 | 7,29 | 6,03 | 5,06 | 3,72 | 2,85 | 2,25 | 1,82 | 1,51 | 1,27 | 1,08 | 0,93 |
| 14Б1 | 96,78 | 54,44 | 34,84 | 24,19 | 17,78 | 13,61 | 10,75 | 8,71 | 7,20 | 6,05 | 4,44 | 3,40 | 2,69 | 2,18 | 1,80 | 1,51 | 1,29 | 1,11 |
| 14Б2 | 118,18 | 66,48 | 42,55 | 29,55 | 21,71 | 16,62 | 13,13 | 10,64 | 8,79 | 7,39 | 5,43 | 4,15 | 3,28 | 2,66 | 2,20 | 1,85 | 1,57 | 1,36 |
| 16Б1 | 134,24 | 75,51 | 48,33 | 33,56 | 24,66 | 18,88 | 14,92 | 12,08 | 9,98 | 8,39 | 6,16 | 4,72 | 3,73 | 3,02 | 2,50 | 2,10 | 1,79 | 1,54 |
| 16Б2 | 166,19 | 93,48 | 59,83 | 41,55 | 30,52 | 23,37 | 18,47 | 14,96 | 12,36 | 10,39 | 7,63 | 5,84 | 4,62 | 3,74 | 3,09 | 2,60 | 2,21 | 1,91 |
| 18Б1 | 183,62 | 103,29 | 66,10 | 45,90 | 33,73 | 25,82 | 20,40 | 16,53 | 13,66 | 11,48 | 8,43 | 6,46 | 5,10 | 4,13 | 3,41 | 2,87 | 2,44 | 2,11 |
| 18Б2 | 223,68 | 125,82 | 80,52 | 55,92 | 41,08 | 31,45 | 24,85 | 20,13 | 16,64 | 13,98 | 10,27 | 7,86 | 6,21 | 5,03 | 4,16 | 3,49 | 2,98 | 2,57 |
| 20Б0 | 244,62 | 137,60 | 88,06 | 61,16 | 44,93 | 34,40 | 27,18 | 22,02 | 18,20 | 15,29 | 11,23 | 8,60 | 6,80 | 5,50 | 4,55 | 3,82 | 3,26 | 2,81 |
| 20Б1 | 281,32 | 158,24 | 101,27 | 70,33 | 51,67 | 39,56 | 31,26 | 25,32 | 20,92 | 17,58 | 12,92 | 9,89 | 7,81 | 6,33 | 5,23 | 4,40 | 3,75 | 3,23 |
| 20Б2 | 334,83 | 188,34 | 120,54 | 83,71 | 61,50 | 47,09 | 37,20 | 30,13 | 24,90 | 20,93 | 15,37 | 11,77 | 9,30 | 7,53 | 6,23 | 5,23 | 4,46 | 3,84 |
| 20Б3 | 418,92 | 235,64 | 150,81 | 104,73 | 76,94 | 58,91 | 46,55 | 37,70 | 31,16 | 26,18 | 19,24 | 14,73 | 11,64 | 9,43 | 7,79 | 6,55 | 5,58 | 4,81 |
| 25Б1 | 435,73 | 245,10 | 156,86 | 108,93 | 80,03 | 61,28 | 48,41 | 39,22 | 32,41 | 27,23 | 20,01 | 15,32 | 12,10 | 9,80 | 8,10 | 6,81 | 5,80 | 5,00 |
| 25Б2 | 495,36 | 278,64 | 178,33 | 123,84 | 90,98 | 69,66 | 55,04 | 44,58 | 36,84 | 30,96 | 22,75 | 17,42 | 13,76 | 11,15 | 9,21 | 7,74 | 6,60 | 5,69 |
| 25Б3 | 628,37 | 353,46 | 226,21 | 157,09 | 115,42 | 88,37 | 69,82 | 56,55 | 46,74 | 39,27 | 28,85 | 22,09 | 17,45 | 14,14 | 11,68 | 9,82 | 8,37 | 7,21 |
| 25Б4 | 762,92 | 429,14 | 274,65 | 190,73 | 140,13 | 107,29 | 84,77 | 68,66 | 56,75 | 47,68 | 35,03 | 26,82 | 21,19 | 17,17 | 14,19 | 11,92 | 10,16 | 8,76 |
| 30Б1 | 648,25 | 364,64 | 233,37 | 162,06 | 119,07 | 91,16 | 72,03 | 58,34 | 48,22 | 40,52 | 29,77 | 22,79 | 18,01 | 14,59 | 12,05 | 10,13 | 8,63 | 7,44 |
| 30Б2 | 735,40 | 413,66 | 264,74 | 183,85 | 135,07 | 103,42 | 81,71 | 66,19 | 54,70 | 45,96 | 33,77 | 25,85 | 20,43 | 16,55 | 13,67 | 11,49 | 9,79 | 8,44 |
| 30Б3 | 928,04 | 522,02 | 334,09 | 232,01 | 170,46 | 130,51 | 103,12 | 83,52 | 69,03 | 58,00 | 42,61 | 32,63 | 25,78 | 20,88 | 17,26 | 14,50 | 12,36 | 10,65 |
| 30Б4 | 1122,20 | 631,24 | 403,99 | 280,55 | 206,12 | 157,81 | 124,69 | 101,00 | 83,47 | 70,14 | 51,53 | 39,45 | 31,17 | 25,25 | 20,87 | 17,53 | 14,94 | 12,88 |
| 35Б1 | 980,02 | 551,26 | 352,81 | 245,00 | 180,00 | 137,82 | 108,89 | 88,20 | 72,89 | 61,25 | 45,00 | 34,45 | 27,22 | 22,05 | 18,22 | 15,31 | 13,05 | 11,25 |
| 35Б2 | 1184,89 | 666,50 | 426,56 | 296,22 | 217,63 | 166,63 | 131,65 | 106,64 | 88,13 | 74,06 | 54,41 | 41,66 | 32,91 | 26,66 | 22,03 | 18,51 | 15,78 | 13,60 |
| 35Б3 | 1446,33 | 813,56 | 520,68 | 361,58 | 265,65 | 203,39 | 160,70 | 130,17 | 107,58 | 90,40 | 66,41 | 50,85 | 40,18 | 32,54 | 26,89 | 22,60 | 19,26 | 16,60 |
| 35Б4 | 1755,16 | 987,28 | 631,86 | 438,79 | 322,38 | 246,82 | 195,02 | 157,96 | 130,55 | 109,70 | 80,59 | 61,71 | 48,75 | 39,49 | 32,64 | 27,42 | 23,37 | 20,15 |
| 40Б1 | 1545,71 | 869,46 | 556,45 | 386,43 | 283,91 | 217,37 | 171,75 | 139,11 | 114,97 | 96,61 | 70,98 | 54,34 | 42,94 | 34,78 | 28,74 | 24,15 | 20,58 | 17,74 |
| 40Б2 | 1811,73 | 1019,10 | 652,22 | 452,93 | 332,77 | 254,78 | 201,30 | 163,06 | 134,76 | 113,23 | 83,19 | 63,69 | 50,33 | 40,76 | 33,69 | 28,31 | 24,12 | 20,80 |
| 40Б3 | 2210,77 | 1243,56 | 795,88 | 552,69 | 406,06 | 310,89 | 245,64 | 198,97 | 164,44 | 138,17 | 101,52 | 77,72 | 61,41 | 49,74 | 41,11 | 34,54 | 29,43 | 25,38 |
| 40Б4 | 2612,87 | 1469,74 | 940,63 | 653,22 | 479,92 | 367,44 | 290,32 | 235,16 | 194,35 | 163,30 | 119,98 | 91,86 | 72,58 | 58,79 | 48,59 | 40,83 | 34,79 | 29,99 |
| 45Б1 | 1967,68 | 1106,82 | 708,36 | 491,92 | 361,41 | 276,71 | 218,63 | 177,09 | 146,36 | 122,98 | 90,35 | 69,18 | 54,66 | 44,27 | 36,59 | 30,75 | 26,20 | 22,59 |
| 45Б2 | 2273,46 | 1278,82 | 818,44 | 568,36 | 417,57 | 319,71 | 252,61 | 204,61 | 169,10 | 142,09 | 104,39 | 79,93 | 63,15 | 51,15 | 42,28 | 35,52 | 30,27 | 26,10 |
| 45Б3 | 2730,60 | 1535,96 | 983,01 | 682,65 | 501,54 | 383,99 | 303,40 | 245,75 | 203,10 | 170,66 | 125,38 | 96,00 | 75,85 | 61,44 | 50,78 | 42,67 | 36,35 | 31,35 |
| 45Б4 | 3190,79 | 1794,82 | 1148,68 | 797,70 | 586,06 | 448,71 | 354,53 | 287,17 | 237,33 | 199,42 | 146,52 | 112,18 | 88,63 | 71,79 | 59,33 | 49,86 | 42,48 | 36,63 |
| 50Б1 | 2290,28 | 1288,28 | 824,50 | 572,57 | 420,66 | 322,07 | 254,48 | 206,12 | 170,35 | 143,14 | 105,17 | 80,52 | 63,62 | 51,53 | 42,59 | 35,79 | 30,49 | 26,29 |
| 50Б2 | 2580,76 | 1451,68 | 929,08 | 645,19 | 474,02 | 362,92 | 286,75 | 232,27 | 191,96 | 161,30 | 118,50 | 90,73 | 71,69 | 58,07 | 47,99 | 40,32 | 34,36 | 29,63 |
| 50Б3 | 2926,29 | 1646,04 | 1053,47 | 731,57 | 537,48 | 411,51 | 325,14 | 263,37 | 217,66 | 182,89 | 134,37 | 102,88 | 81,29 | 65,84 | 54,41 | 45,72 | 38,96 | 33,59 |
| 50Б4 | 3608,18 | 2029,60 | 1298,94 | 902,04 | 662,73 | 507,40 | 400,91 | 324,74 | 268,38 | 225,51 | 165,68 | 126,85 | 100,23 | 81,18 | 67,09 | 56,38 | 48,04 | 41,42 |
| 50Б5 | 4245,55 | 2388,12 | 1528,40 | 1061,39 | 779,79 | 597,03 | 471,73 | 382,10 | 315,78 | 265,35 | 194,95 | 149,26 | 117,93 | 95,52 | 78,95 | 66,34 | 56,52 | 48,74 |
| 55Б1 | 3135,75 | 1763,86 | 1128,87 | 783,94 | 575,95 | 440,97 | 348,42 | 282,22 | 233,24 | 195,98 | 143,99 | 110,24 | 87,10 | 70,55 | 58,31 | 49,00 | 41,75 | 36,00 |
| 55Б2 | 3510,33 | 1974,56 | 1263,72 | 877,58 | 644,75 | 493,64 | 390,04 | 315,93 | 261,10 | 219,40 | 161,19 | 123,41 | 97,51 | 78,98 | 65,27 | 54,85 | 46,74 | 40,30 |
| 55Б3 | 4164,69 | 2342,64 | 1499,29 | 1041,17 | 764,94 | 585,66 | 462,74 | 374,82 | 309,77 | 260,29 | 191,24 | 146,42 | 115,69 | 93,71 | 77,44 | 65,07 | 55,45 | 47,81 |
| 55Б4 | 4795,09 | 2697,24 | 1726,23 | 1198,77 | 880,73 | 674,31 | 532,79 | 431,56 | 356,66 | 299,69 | 220,18 | 168,58 | 133,20 | 107,89 | 89,16 | 74,92 | 63,84 | 55,05 |
| 60Б1 | 3525,62 | 1983,16 | 1269,22 | 881,40 | 647,56 | 495,79 | 391,74 | 317,31 | 262,24 | 220,35 | 161,89 | 123,95 | 97,93 | 79,33 | 65,56 | 55,09 | 46,94 | 40,47 |
| 60Б2 | 3956,76 | 2225,68 | 1424,44 | 989,19 | 726,75 | 556,42 | 439,64 | 356,11 | 294,30 | 247,30 | 181,69 | 139,11 | 109,91 | 89,03 | 73,58 | 61,82 | 52,68 | 45,42 |
| 60Б3 | 4429,19 | 2491,42 | 1594,51 | 1107,30 | 813,52 | 622,86 | 492,13 | 398,63 | 329,44 | 276,82 | 203,38 | 155,71 | 123,03 | 99,66 | 82,36 | 69,21 | 58,97 | 50,85 |
| 60Б4 | 5198,29 | 2924,04 | 1871,39 | 1299,57 | 954,79 | 731,01 | 577,59 | 467,85 | 386,65 | 324,89 | 238,70 | 182,75 | 144,40 | 116,96 | 96,66 | 81,22 | 69,21 | 59,67 |
| 70Б1 | 5572,80 | 3134,70 | 2006,21 | 1393,20 | 1023,58 | 783,68 | 619,20 | 501,55 | 414,51 | 348,30 | 255,89 | 195,92 | 154,80 | 125,39 | 103,63 | 87,08 | 74,19 | 63,97 |
| 70Б2 | 6453,44 | 3630,06 | 2323,24 | 1613,36 | 1185,33 | 907,52 | 717,05 | 580,81 | 480,01 | 403,34 | 296,33 | 226,88 | 179,26 | 145,20 | 120,00 | 100,84 | 85,92 | 74,08 |
| 70Б3 | 7109,76 | 3999,24 | 2559,51 | 1777,44 | 1305,87 | 999,81 | 789,97 | 639,88 | 528,83 | 444,36 | 326,47 | 249,95 | 197,49 | 159,97 | 132,21 | 111,09 | 94,66 | 81,62 |
| 70Б4 | 8400,00 | 4725,00 | 3024,00 | 2100,00 | 1542,86 | 1181,25 | 933,33 | 756,00 | 624,79 | 525,00 | 385,71 | 295,31 | 233,33 | 189,00 | 156,20 | 131,25 | 111,83 | 96,43 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 334,67 | 188,25 | 120,48 | 83,67 | 61,47 | 47,06 | 37,19 | 30,12 | 24,89 | 20,92 | 15,37 | 11,77 | 9,30 | 7,53 | 6,22 | 5,23 | 4,46 | 3,84 |
| 20Ш1 | 423,96 | 238,48 | 152,63 | 105,99 | 77,87 | 59,62 | 47,11 | 38,16 | 31,53 | 26,50 | 19,47 | 14,90 | 11,78 | 9,54 | 7,88 | 6,62 | 5,64 | 4,87 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

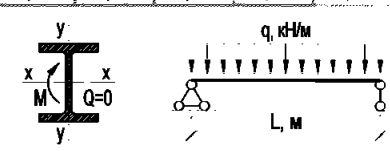


Таблица 6.4.1

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 20Ш2 | 538,17 | 302,72 | 193,74 | 134,54 | 98,85 | 75,68 | 59,80 | 48,44 | 40,03 | 33,64 | 24,71 | 18,92 | 14,95 | 12,11 | 10,01 | 8,41 | 7,16 | 6,18 |
| 20Ш3 | 653,91 | 367,82 | 235,41 | 163,48 | 120,11 | 91,96 | 72,66 | 58,85 | 48,64 | 40,87 | 30,03 | 22,99 | 18,16 | 14,71 | 12,16 | 10,22 | 8,71 | 7,51 |
| 20Ш4 | 825,60 | 464,40 | 297,22 | 206,40 | 151,64 | 116,10 | 91,73 | 74,30 | 61,41 | 51,60 | 37,91 | 29,03 | 22,93 | 18,58 | 15,35 | 12,90 | 10,99 | 9,48 |
| 20Ш5 | 975,15 | 548,52 | 351,05 | 243,79 | 179,11 | 137,13 | 108,35 | 87,76 | 72,53 | 60,95 | 44,78 | 34,28 | 27,09 | 21,94 | 18,13 | 15,24 | 12,98 | 11,19 |
| 20Ш6 | 1219,90 | 686,20 | 439,17 | 304,98 | 224,06 | 171,55 | 135,54 | 109,79 | 90,74 | 76,24 | 56,02 | 42,89 | 33,89 | 27,45 | 22,68 | 19,06 | 16,24 | 14,00 |
| 25Ш0 | 634,64 | 356,99 | 228,47 | 158,66 | 116,57 | 89,25 | 70,52 | 57,12 | 47,20 | 39,67 | 29,14 | 22,31 | 17,63 | 14,28 | 11,80 | 9,92 | 8,45 | 7,29 |
| 25Ш1 | 767,20 | 431,55 | 276,19 | 191,80 | 140,91 | 107,89 | 85,24 | 69,05 | 57,06 | 47,95 | 35,23 | 26,97 | 21,31 | 17,26 | 14,27 | 11,99 | 10,21 | 8,81 |
| 25Ш2 | 936,29 | 526,66 | 337,06 | 234,07 | 171,97 | 131,67 | 104,03 | 84,27 | 69,64 | 58,52 | 42,99 | 32,92 | 26,01 | 21,07 | 17,41 | 14,63 | 12,47 | 10,75 |
| 25Ш3 | 1172,96 | 659,79 | 422,27 | 293,24 | 215,44 | 164,95 | 130,33 | 105,57 | 87,25 | 73,31 | 53,86 | 41,24 | 32,58 | 26,39 | 21,81 | 18,33 | 15,62 | 13,47 |
| 25Ш4 | 1442,56 | 811,44 | 519,32 | 360,64 | 264,96 | 202,86 | 160,28 | 129,83 | 107,30 | 90,16 | 66,24 | 50,72 | 40,07 | 32,46 | 26,82 | 22,54 | 19,21 | 16,56 |
| 25Ш5 | 1796,18 | 1010,35 | 646,63 | 449,05 | 329,91 | 252,59 | 199,58 | 161,66 | 133,60 | 112,26 | 82,48 | 63,15 | 49,89 | 40,41 | 33,40 | 28,07 | 23,91 | 20,62 |
| 25Ш6 | 2170,19 | 1220,73 | 781,27 | 542,55 | 398,61 | 305,18 | 241,13 | 195,32 | 161,42 | 135,64 | 99,65 | 76,30 | 60,28 | 48,83 | 40,35 | 33,91 | 28,89 | 24,91 |
| 30Ш0 | 994,39 | 559,34 | 357,98 | 248,60 | 182,64 | 139,84 | 110,49 | 89,50 | 73,96 | 62,15 | 45,66 | 34,96 | 27,62 | 22,37 | 18,49 | 15,54 | 13,24 | 11,42 |
| 30Ш1 | 1179,38 | 663,40 | 424,58 | 294,85 | 216,62 | 165,85 | 131,04 | 106,14 | 87,72 | 73,71 | 54,16 | 41,46 | 32,76 | 26,54 | 21,93 | 18,43 | 15,70 | 13,54 |
| 30Ш2 | 1448,47 | 814,76 | 521,45 | 362,12 | 266,05 | 203,69 | 160,94 | 130,36 | 107,74 | 90,53 | 66,51 | 50,92 | 40,24 | 32,59 | 26,93 | 22,63 | 19,28 | 16,63 |
| 30Ш3 | 1744,31 | 981,17 | 627,95 | 436,08 | 320,38 | 245,29 | 193,81 | 156,99 | 129,74 | 109,02 | 80,10 | 61,32 | 48,45 | 39,25 | 32,44 | 27,25 | 23,22 | 20,02 |
| 30Ш4 | 2089,47 | 1175,33 | 752,21 | 522,37 | 383,78 | 293,83 | 232,16 | 188,05 | 155,42 | 130,59 | 95,95 | 73,46 | 58,04 | 47,01 | 38,85 | 32,65 | 27,82 | 23,99 |
| 30Ш5 | 2660,37 | 1496,46 | 957,73 | 665,09 | 488,64 | 374,12 | 295,60 | 239,43 | 197,88 | 166,27 | 122,16 | 93,53 | 73,90 | 59,86 | 49,47 | 41,57 | 35,42 | 30,54 |
| 30Ш6 | 3351,72 | 1885,34 | 1206,62 | 837,93 | 615,62 | 471,34 | 372,41 | 301,66 | 249,30 | 209,48 | 153,91 | 117,83 | 93,10 | 75,41 | 62,33 | 52,37 | 44,62 | 38,48 |
| 35Ш1 | 1566,19 | 880,98 | 563,83 | 391,55 | 287,67 | 220,25 | 174,02 | 140,96 | 116,49 | 97,89 | 71,92 | 55,06 | 43,51 | 35,24 | 29,12 | 24,47 | 20,85 | 17,98 |
| 35Ш2 | 1949,64 | 1096,67 | 701,87 | 487,41 | 358,10 | 274,17 | 216,63 | 175,47 | 145,01 | 121,85 | 89,52 | 68,54 | 54,16 | 43,87 | 36,25 | 30,46 | 25,96 | 22,38 |
| 35Ш3 | 2426,50 | 1364,91 | 873,54 | 606,62 | 445,68 | 341,23 | 269,61 | 218,38 | 180,48 | 151,66 | 111,42 | 85,31 | 67,40 | 54,60 | 45,12 | 37,91 | 32,31 | 27,86 |
| 35Ш4 | 2842,71 | 1599,02 | 1023,38 | 710,68 | 522,13 | 399,76 | 315,86 | 255,84 | 211,44 | 177,67 | 130,53 | 99,94 | 78,96 | 63,96 | 52,86 | 44,42 | 37,85 | 32,63 |
| 35Ш5 | 3547,26 | 1995,34 | 1277,02 | 886,82 | 651,54 | 498,83 | 394,14 | 319,25 | 263,85 | 221,70 | 162,88 | 124,71 | 98,54 | 79,81 | 65,96 | 55,43 | 47,23 | 40,72 |
| 35Ш6 | 4262,40 | 2397,60 | 1534,46 | 1065,60 | 782,89 | 599,40 | 473,60 | 383,62 | 317,04 | 266,40 | 195,72 | 149,85 | 118,40 | 95,90 | 79,26 | 66,60 | 56,75 | 48,93 |
| 35Ш7 | 5341,44 | 3004,56 | 1922,92 | 1335,36 | 981,08 | 751,14 | 593,49 | 480,73 | 397,30 | 333,84 | 245,27 | 187,79 | 148,37 | 120,18 | 99,32 | 83,46 | 71,11 | 61,32 |
| 40Ш1 | 2439,50 | 1372,22 | 878,22 | 609,87 | 448,07 | 343,05 | 271,06 | 219,55 | 181,45 | 152,47 | 112,02 | 85,76 | 67,76 | 54,89 | 45,36 | 38,12 | 32,48 | 28,00 |
| 40Ш2 | 3032,40 | 1705,72 | 1091,66 | 758,10 | 556,97 | 426,43 | 336,93 | 272,92 | 225,55 | 189,52 | 139,24 | 106,61 | 84,23 | 68,23 | 56,39 | 47,38 | 40,37 | 34,81 |
| 40Ш3 | 3685,39 | 2073,03 | 1326,74 | 921,35 | 676,91 | 518,26 | 409,49 | 331,68 | 274,12 | 230,34 | 169,23 | 129,56 | 102,37 | 82,92 | 68,53 | 57,58 | 49,07 | 42,31 |
| 40Ш4 | 4421,76 | 2487,24 | 1591,83 | 1105,44 | 812,16 | 621,81 | 491,31 | 397,96 | 328,89 | 276,36 | 203,04 | 155,45 | 122,83 | 99,49 | 82,22 | 69,09 | 58,87 | 50,76 |
| 40Ш5 | 5563,86 | 3129,67 | 2002,99 | 1390,97 | 1021,93 | 782,42 | 618,21 | 500,75 | 413,84 | 347,74 | 255,48 | 195,60 | 154,55 | 125,19 | 103,46 | 86,94 | 74,08 | 63,87 |
| 40Ш6 | 6538,57 | 3677,95 | 2353,89 | 1634,64 | 1200,96 | 919,49 | 726,51 | 588,47 | 486,34 | 408,66 | 300,24 | 229,87 | 181,63 | 147,12 | 121,58 | 102,17 | 87,05 | 75,06 |
| 40Ш7 | 8010,93 | 4506,15 | 2883,93 | 2002,73 | 1471,39 | 1126,54 | 890,10 | 720,98 | 595,85 | 500,68 | 367,85 | 281,63 | 222,53 | 180,25 | 148,96 | 125,17 | 106,65 | 91,96 |
| 45Ш0 | 3297,05 | 1854,59 | 1186,94 | 824,26 | 605,58 | 463,65 | 366,34 | 296,73 | 245,24 | 206,07 | 151,40 | 115,91 | 91,58 | 74,18 | 61,31 | 51,52 | 43,90 | 37,85 |
| 45Ш1 | 3896,68 | 2191,88 | 1402,80 | 974,17 | 715,72 | 547,97 | 432,96 | 350,70 | 289,84 | 243,54 | 178,93 | 136,99 | 108,24 | 87,68 | 72,46 | 60,89 | 51,88 | 44,73 |
| 45Ш2 | 4445,35 | 2500,51 | 1600,33 | 1111,34 | 816,49 | 625,13 | 493,93 | 400,08 | 330,65 | 277,83 | 204,12 | 156,28 | 123,48 | 100,02 | 82,66 | 69,46 | 59,18 | 51,03 |
| 45Ш3 | 5091,37 | 2863,90 | 1832,89 | 1272,84 | 935,15 | 715,97 | 565,71 | 458,22 | 378,70 | 318,21 | 233,79 | 178,99 | 141,43 | 114,56 | 94,67 | 79,55 | 67,78 | 58,45 |
| 45Ш4 | 6370,26 | 3583,27 | 2293,29 | 1592,57 | 1170,05 | 895,82 | 707,81 | 573,32 | 473,82 | 398,14 | 292,51 | 223,95 | 176,95 | 143,33 | 118,46 | 99,54 | 84,81 | 73,13 |
| 45Ш5 | 7455,80 | 4193,89 | 2684,09 | 1863,95 | 1369,43 | 1048,47 | 828,42 | 671,02 | 554,56 | 465,99 | 342,36 | 262,12 | 207,11 | 167,76 | 138,64 | 116,50 | 99,26 | 85,59 |
| 45Ш6 | 9117,53 | 5128,61 | 3282,31 | 2279,38 | 1674,65 | 1282,15 | 1013,06 | 820,58 | 678,16 | 569,85 | 418,66 | 320,54 | 253,26 | 205,14 | 169,54 | 142,46 | 121,39 | 104,67 |
| 50Ш1 | 3829,87 | 2154,30 | 1378,75 | 957,47 | 703,44 | 538,58 | 425,54 | 344,69 | 284,87 | 239,37 | 175,86 | 134,64 | 106,39 | 86,17 | 71,22 | 59,84 | 50,99 | 43,97 |
| 50Ш2 | 4512,36 | 2538,20 | 1624,45 | 1128,09 | 828,80 | 634,55 | 501,37 | 406,11 | 335,63 | 282,02 | 207,20 | 158,64 | 125,34 | 101,53 | 83,91 | 70,51 | 60,08 | 51,80 |
| 50Ш3 | 5054,93 | 2843,40 | 1819,78 | 1263,73 | 928,46 | 710,85 | 561,66 | 454,94 | 375,99 | 315,93 | 232,11 | 177,71 | 140,41 | 113,74 | 94,00 | 78,98 | 67,30 | 58,03 |
| 50Ш4 | 5702,89 | 3207,88 | 2053,04 | 1425,72 | 1047,47 | 801,97 | 633,65 | 513,26 | 424,18 | 356,43 | 261,87 | 200,49 | 158,41 | 128,32 | 106,05 | 89,11 | 75,93 | 65,47 |
| 50Ш5 | 6758,98 | 3801,92 | 2433,23 | 1689,74 | 1241,44 | 950,48 | 751,00 | 608,31 | 502,73 | 422,44 | 310,36 | 237,62 | 187,75 | 152,08 | 125,68 | 105,61 | 89,99 | 77,59 |
| 50Ш6 | 7894,01 | 4440,38 | 2841,84 | 1973,50 | 1449,92 | 1110,10 | 877,11 | 710,46 | 587,16 | 493,38 | 362,48 | 277,52 | 219,28 | 177,62 | 146,79 | 123,34 | 105,10 | 90,62 |
| 50Ш7 | 9547,28 | 5370,34 | 3437,02 | 2386,82 | 1753,58 | 1342,59 | 1060,81 | 859,26 | 710,13 | 596,70 | 438,40 | 335,65 | 265,20 | 214,81 | 177,53 | 149,18 | 127,11 | 109,60 |
| 50Ш8 | 11432,62 | 6430,85 | 4115,74 | 2858,16 | 2099,87 | 1607,71 | 1270,29 | 1028,94 | 850,36 | 714,54 | 524,97 | 401,93 | 317,57 | 257,23 | 212,59 | 178,63 | 152,21 | 131,24 |
| 60Ш1 | 5396,67 | 3035,63 | 1942,80 | 1349,17 | 991,23 | 758,91 | 599,63 | 485,70 | 401,41 | 337,29 | 247,81 | 189,73 | 149,91 | 121,43 | 100,35 | 84,32 | 71,85 | 61,95 |
| 60Ш2 | 6399,38 | 3599,65 | 2303,78 | 1599,85 | 1175,40 | 899,91 | 711,04 | 575,94 | 475,99 | 399,96 | 293,85 | 224,98 | 177,76 | 143,99 | 119,00 | 99,99 | 85,20 | 73,46 |
| 60Ш3 | 7506,39 | 4222,34 | 2702,30 | 1876,60 | 1378,72 | 1055,59 | 834,04 | 675,58 | 558,33 | 469,15 | 344,68 | 263,90 | 208,51 | 168,89 | 139,58 | 117,29 | 99,94 | 86,17 |
| 60Ш4 | 8612,35 | 4844,45 | 3100,45 | 2153,09 | 1581,86 | 1211,11 | 956,93 | 775,11 | 640,59 | 538,27 | 395,47 | 302,78 | 239,23 | 193,78 | 160,15 | 134,57 | 114,66 | 98,87 |
| 60Ш5 | 9961,87 | 5603,55 | 3586,27 | 2490,47 | 1829,73 | 1400,89 | 1106,87 | 896,57 | 740,97 | 622,62 | 457,43 | 350,22 | 276,72 | 224,14 | 185,24 | 155,65 | 132,63 | 114,36 |
| 60Ш6 | 12321,58 | 6930,89 | 4435,77 | 3080,39 | 2263,15 | 1732,72 | 1369,06 | 1108,94 | 916,48 | 770,10 | 565,79 | 433,18 | 342,27 | 277,24 | 229,12 | 192,52 | 164,04 | 141,45 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

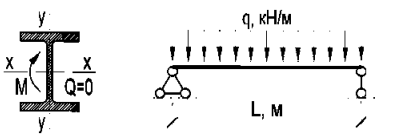


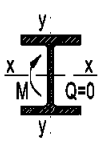
Таблица 6.4.1

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 60Ш7 | 14404,89 | 8102,75 | 5185,76 | 3601,22 | 2645,80 | 2025,69 | 1600,54 | 1296,44 | 1071,44 | 900,31 | 661,45 | 506,42 | 400,14 | 324,11 | 267,86 | 225,08 | 191,78 | 165,36 |
| 60Ш8 | 17342,74 | 9755,29 | 6243,39 | 4335,69 | 3185,40 | 2438,82 | 1926,97 | 1560,85 | 1289,96 | 1083,92 | 796,35 | 609,71 | 481,74 | 390,21 | 322,49 | 270,98 | 230,89 | 199,09 |
| 70Ш1 | 7619,52 | 4285,98 | 2743,03 | 1904,88 | 1399,50 | 1071,50 | 846,61 | 685,76 | 566,74 | 476,22 | 349,88 | 267,87 | 211,65 | 171,44 | 141,69 | 119,06 | 101,44 | 87,47 |
| 70Ш2 | 8506,03 | 4784,64 | 3062,17 | 2126,51 | 1562,33 | 1196,16 | 945,11 | 765,54 | 632,68 | 531,63 | 390,58 | 299,04 | 236,28 | 191,39 | 158,17 | 132,91 | 113,25 | 97,65 |
| 70Ш3 | 10097,77 | 5680,00 | 3635,20 | 2524,44 | 1854,69 | 1420,00 | 1121,97 | 908,80 | 751,07 | 631,11 | 463,67 | 355,00 | 280,49 | 227,20 | 187,77 | 157,78 | 134,44 | 115,92 |
| 70Ш4 | 11219,35 | 6310,88 | 4038,97 | 2804,84 | 2060,70 | 1577,72 | 1246,59 | 1009,74 | 834,50 | 701,21 | 515,17 | 394,43 | 311,65 | 252,44 | 208,62 | 175,30 | 149,37 | 128,79 |
| 70Ш5 | 12860,37 | 7233,96 | 4629,73 | 3215,09 | 2362,11 | 1808,49 | 1428,93 | 1157,43 | 956,56 | 803,77 | 590,53 | 452,12 | 357,23 | 289,36 | 239,14 | 200,94 | 171,22 | 147,63 |
| 70Ш6 | 15888,61 | 8937,34 | 5719,90 | 3972,15 | 2918,32 | 2234,34 | 1765,40 | 1429,98 | 1181,80 | 993,04 | 729,58 | 558,58 | 441,35 | 357,49 | 295,45 | 248,26 | 211,53 | 182,39 |
| 70Ш7 | 19096,45 | 10741,75 | 6874,72 | 4774,11 | 3507,51 | 2685,44 | 2121,83 | 1718,68 | 1420,40 | 1193,53 | 876,88 | 671,36 | 530,46 | 429,67 | 355,10 | 298,38 | 254,24 | 219,22 |
| 70Ш8 | 23028,66 | 12953,62 | 8290,32 | 5757,17 | 4229,75 | 3238,41 | 2558,74 | 2072,58 | 1712,88 | 1439,29 | 1057,44 | 809,60 | 639,69 | 518,14 | 428,22 | 359,82 | 306,59 | 264,36 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | 284,37 | 159,96 | 102,37 | 71,09 | 52,23 | 39,99 | 31,60 | 25,59 | 21,15 | 17,77 | 13,06 | 10,00 | 7,90 | 6,40 | 5,29 | 4,44 | 3,79 | 3,26 |
| 15К2 | 334,52 | 188,17 | 120,43 | 83,63 | 61,44 | 47,04 | 37,17 | 30,11 | 24,88 | 20,91 | 15,36 | 11,76 | 9,29 | 7,53 | 6,22 | 5,23 | 4,45 | 3,84 |
| 15К3 | 417,69 | 234,95 | 150,37 | 104,42 | 76,72 | 58,74 | 46,41 | 37,59 | 31,07 | 26,11 | 19,18 | 14,68 | 11,60 | 9,40 | 7,77 | 6,53 | 5,56 | 4,79 |
| 15К4 | 502,39 | 282,60 | 180,86 | 125,60 | 92,28 | 70,65 | 55,82 | 45,22 | 37,37 | 31,40 | 23,07 | 17,66 | 13,96 | 11,30 | 9,34 | 7,85 | 6,69 | 5,77 |
| 15К5 | 606,36 | 341,08 | 218,29 | 151,59 | 111,37 | 85,27 | 67,37 | 54,57 | 45,10 | 37,90 | 27,84 | 21,32 | 16,84 | 13,64 | 11,28 | 9,47 | 8,07 | 6,96 |
| 20К1 | 600,09 | 337,55 | 216,03 | 150,02 | 110,22 | 84,39 | 66,68 | 54,01 | 44,63 | 37,51 | 27,56 | 21,10 | 16,67 | 13,50 | 11,16 | 9,38 | 7,99 | 6,89 |
| 20К2 | 721,02 | 405,58 | 259,57 | 180,26 | 132,43 | 101,39 | 80,11 | 64,89 | 53,63 | 45,06 | 33,11 | 25,35 | 20,03 | 16,22 | 13,41 | 11,27 | 9,60 | 8,28 |
| 20К3 | 839,82 | 472,40 | 302,33 | 209,95 | 154,25 | 118,10 | 93,31 | 75,58 | 62,47 | 52,49 | 38,56 | 29,52 | 23,33 | 18,90 | 15,62 | 13,12 | 11,18 | 9,64 |
| 20К4 | 1013,81 | 570,27 | 364,97 | 253,45 | 186,21 | 142,57 | 112,65 | 91,24 | 75,41 | 63,36 | 46,55 | 35,64 | 28,16 | 22,81 | 18,85 | 15,84 | 13,50 | 11,64 |
| 20К5 | 1138,87 | 640,61 | 409,99 | 284,72 | 209,18 | 160,15 | 126,54 | 102,50 | 84,71 | 71,18 | 52,30 | 40,04 | 31,64 | 25,62 | 21,18 | 17,79 | 15,16 | 13,07 |
| 20К6 | 1288,15 | 724,58 | 463,73 | 322,04 | 236,60 | 181,15 | 143,13 | 115,93 | 95,81 | 80,51 | 59,15 | 45,29 | 35,78 | 28,98 | 23,95 | 20,13 | 17,15 | 14,79 |
| 20К7 | 1471,83 | 827,90 | 529,86 | 367,96 | 270,34 | 206,98 | 163,54 | 132,46 | 109,47 | 91,99 | 67,58 | 51,74 | 40,88 | 33,12 | 27,37 | 23,00 | 19,60 | 16,90 |
| 20К8 | 1707,18 | 960,29 | 614,58 | 426,79 | 313,56 | 240,07 | 189,69 | 153,65 | 126,98 | 106,70 | 78,39 | 60,02 | 47,42 | 38,41 | 31,75 | 26,67 | 22,73 | 19,60 |
| 25К1 | 1139,94 | 641,22 | 410,38 | 284,98 | 209,38 | 160,30 | 126,66 | 102,59 | 84,79 | 71,25 | 52,34 | 40,08 | 31,66 | 25,65 | 21,20 | 17,81 | 15,18 | 13,09 |
| 25К2 | 1324,94 | 745,28 | 476,98 | 331,23 | 243,36 | 186,32 | 147,22 | 119,24 | 98,55 | 82,81 | 60,84 | 46,58 | 36,80 | 29,81 | 24,64 | 20,70 | 17,64 | 15,21 |
| 25К3 | 1468,96 | 826,29 | 528,82 | 367,24 | 269,81 | 206,57 | 163,22 | 132,21 | 109,26 | 91,81 | 67,45 | 51,64 | 40,80 | 33,05 | 27,32 | 22,95 | 19,56 | 16,86 |

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25К4 | 1657,16 | 932,15 | 596,58 | 414,29 | 304,38 | 233,04 | 184,13 | 149,14 | 123,26 | 103,57 | 76,09 | 58,26 | 46,03 | 37,29 | 30,82 | 25,89 | 22,06 | 19,02 |
| 25К5 | 1895,82 | 1066,40 | 682,50 | 473,96 | 348,21 | 266,60 | 210,65 | 170,62 | 141,01 | 118,49 | 87,05 | 66,65 | 52,66 | 42,66 | 35,25 | 29,62 | 25,24 | 21,76 |
| 25К6 | 2079,91 | 1169,95 | 748,77 | 519,98 | 382,03 | 292,49 | 231,10 | 187,19 | 154,70 | 129,99 | 95,51 | 73,12 | 57,78 | 46,80 | 38,68 | 32,50 | 27,69 | 23,88 |
| 25К7 | 2443,54 | 1374,49 | 879,67 | 610,89 | 448,81 | 343,62 | 271,50 | 219,92 | 181,75 | 152,72 | 112,20 | 85,91 | 67,88 | 54,98 | 45,44 | 38,18 | 32,53 | 28,05 |
| 25К8 | 2781,48 | 1564,58 | 1001,33 | 695,37 | 510,88 | 391,15 | 309,05 | 250,33 | 206,89 | 173,84 | 127,72 | 97,79 | 77,26 | 62,58 | 51,72 | 43,46 | 37,03 | 31,93 |
| 25К9 | 3050,11 | 1715,69 | 1098,04 | 762,53 | 560,22 | 428,92 | 338,90 | 274,51 | 226,87 | 190,63 | 140,06 | 107,23 | 84,73 | 68,63 | 56,72 | 47,66 | 40,61 | 35,01 |
| 25К10 | 3533,22 | 1987,43 | 1271,96 | 883,30 | 648,96 | 496,86 | 392,58 | 317,99 | 262,80 | 220,83 | 162,24 | 124,21 | 98,14 | 79,50 | 65,70 | 55,21 | 47,04 | 40,56 |
| 30К1 | 1934,20 | 1087,99 | 696,31 | 483,55 | 355,26 | 272,00 | 214,91 | 174,08 | 143,87 | 120,89 | 88,82 | 68,00 | 53,73 | 43,52 | 35,97 | 30,22 | 25,75 | 22,20 |
| 30К2 | 2080,36 | 1170,20 | 748,93 | 520,09 | 382,11 | 292,55 | 231,15 | 187,23 | 154,74 | 130,02 | 95,53 | 73,14 | 57,79 | 46,81 | 38,68 | 32,51 | 27,70 | 23,88 |
| 30К3 | 2195,03 | 1234,70 | 790,21 | 548,76 | 403,17 | 308,68 | 243,89 | 197,55 | 163,27 | 137,19 | 100,79 | 77,17 | 60,97 | 49,39 | 40,82 | 34,30 | 29,22 | 25,20 |
| 30К4 | 2351,74 | 1322,85 | 846,63 | 587,93 | 431,95 | 330,71 | 261,30 | 211,66 | 174,92 | 146,98 | 107,99 | 82,68 | 65,33 | 52,91 | 43,73 | 36,75 | 31,31 | 27,00 |
| 30К5 | 2617,30 | 1472,23 | 942,23 | 654,33 | 480,73 | 368,06 | 290,81 | 235,56 | 194,68 | 163,58 | 120,18 | 92,01 | 72,70 | 58,89 | 48,67 | 40,90 | 34,85 | 30,05 |
| 30К6 | 2824,79 | 1588,94 | 1016,92 | 706,20 | 518,84 | 397,24 | 313,87 | 254,23 | 210,11 | 176,55 | 129,71 | 99,31 | 78,47 | 63,56 | 52,53 | 44,14 | 37,61 | 32,43 |
| 30К7 | 3093,74 | 1740,23 | 1113,75 | 773,43 | 568,24 | 435,06 | 343,75 | 278,44 | 230,11 | 193,36 | 142,06 | 108,76 | 85,94 | 69,61 | 57,53 | 48,34 | 41,19 | 35,51 |
| 30К8 | 3608,04 | 2029,52 | 1298,90 | 902,01 | 662,70 | 507,38 | 400,89 | 324,72 | 268,37 | 225,50 | 165,68 | 126,85 | 100,22 | 81,18 | 67,09 | 56,38 | 48,04 | 41,42 |
| 30К9 | 4079,64 | 2294,80 | 1468,67 | 1019,91 | 749,32 | 573,70 | 453,29 | 367,17 | 303,44 | 254,98 | 187,33 | 143,42 | 113,32 | 91,79 | 75,86 | 63,74 | 54,31 | 46,83 |
| 30К10 | 4563,18 | 2566,79 | 1642,74 | 1140,79 | 838,13 | 641,70 | 507,02 | 410,69 | 339,41 | 285,20 | 209,53 | 160,42 | 126,75 | 102,67 | 84,85 | 71,30 | 60,75 | 52,38 |
| 30К11 | 4931,08 | 2773,73 | 1775,19 | 1232,77 | 905,71 | 693,43 | 547,90 | 443,80 | 366,77 | 308,19 | 226,43 | 173,36 | 136,97 | 110,95 | 91,69 | 77,05 | 65,65 | 56,61 |
| 30К12 | 5485,62 | 3085,66 | 1974,82 | 1371,40 | 1007,56 | 771,42 | 609,51 | 493,71 | 408,02 | 342,85 | 251,89 | 192,85 | 152,38 | 123,43 | 102,01 | 85,71 | 73,03 | 62,97 |
| 30К13 | 6195,70 | 3485,08 | 2230,45 | 1548,93 | 1137,99 | 871,27 | 688,41 | 557,61 | 460,84 | 387,23 | 284,50 | 217,82 | 172,10 | 139,40 | 115,21 | 96,81 | 82,49 | 71,12 |
| 30К14 | 6841,93 | 3848,59 | 2463,10 | 1710,48 | 1256,68 | 962,15 | 760,21 | 615,77 | 508,90 | 427,62 | 314,17 | 240,54 | 190,05 | 153,94 | 127,23 | 106,91 | 91,09 | 78,54 |
| 30К15 | 7520,38 | 4230,22 | 2707,34 | 1880,10 | 1381,30 | 1057,55 | 835,60 | 676,83 | 559,37 | 470,02 | 345,32 | 264,39 | 208,90 | 169,21 | 139,84 | 117,51 | 100,12 | 86,33 |
| 30К16 | 8366,04 | 4705,90 | 3011,77 | 2091,51 | 1536,62 | 1176,47 | 929,56 | 752,94 | 622,27 | 522,88 | 384,15 | 294,12 | 232,39 | 188,24 | 155,57 | 130,72 | 111,38 | 96,04 |
| 30К17 | 9225,98 | 5189,62 | 3321,35 | 2306,50 | 1694,57 | 1297,40 | 1025,11 | 830,34 | 686,23 | 576,62 | 423,64 | 324,35 | 256,28 | 207,58 | 171,56 | 144,16 | 122,83 | 105,91 |
| 30К18 | 10265,23 | 5774,19 | 3695,48 | 2566,31 | 1885,45 | 1443,55 | 1140,58 | 923,87 | 763,53 | 641,58 | 471,36 | 360,89 | 285,15 | 230,97 | 190,88 | 160,39 | 136,67 | 117,84 |
| 30К19 | 11596,62 | 6523,10 | 4174,78 | 2899,16 | 2129,99 | 1630,78 | 1288,51 | 1043,70 | 862,56 | 724,79 | 532,50 | 407,69 | 322,13 | 260,92 | 215,64 | 181,20 | 154,39 | 133,12 |
| 30К20 | 12924,66 | 7270,12 | 4652,88 | 3231,16 | 2373,92 | 1817,53 | 1436,07 | 1163,22 | 961,34 | 807,79 | 593,48 | 454,38 | 359,02 | 290,80 | 240,33 | 201,95 | 172,07 | 148,37 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



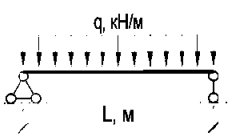
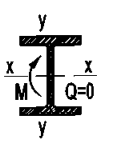



Таблица 6.4.1

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30К21 | 13951,11 | 7847,50 | 5022,40 | 3487,78 | 2562,45 | 1961,88 | 1550,12 | 1255,60 | 1037,69 | 871,94 | 640,61 | 490,47 | 387,53 | 313,90 | 259,42 | 217,99 | 185,74 | 160,15 |
| 35К1 | 2793,89 | 1571,56 | 1005,80 | 698,47 | 513,16 | 392,89 | 310,43 | 251,45 | 207,81 | 174,62 | 128,29 | 98,22 | 77,61 | 62,86 | 51,95 | 43,65 | 37,20 | 32,07 |
| 35К1,5 | 3156,09 | 1775,30 | 1136,19 | 789,02 | 579,69 | 443,82 | 350,68 | 284,05 | 234,75 | 197,26 | 144,92 | 110,96 | 87,67 | 71,01 | 58,69 | 49,31 | 42,02 | 36,23 |
| 35К2 | 3520,42 | 1980,24 | 1267,35 | 880,10 | 646,61 | 495,06 | 391,16 | 316,84 | 261,85 | 220,03 | 161,65 | 123,76 | 97,79 | 79,21 | 65,46 | 55,01 | 46,87 | 40,41 |
| 35К3 | 3889,54 | 2187,86 | 1400,23 | 972,38 | 714,40 | 546,97 | 432,17 | 350,06 | 289,30 | 243,10 | 178,60 | 136,74 | 108,04 | 87,51 | 72,33 | 60,77 | 51,78 | 44,65 |
| 35К4 | 4343,51 | 2443,22 | 1563,66 | 1085,88 | 797,79 | 610,81 | 482,61 | 390,92 | 323,07 | 271,47 | 199,45 | 152,70 | 120,65 | 97,73 | 80,77 | 67,87 | 57,83 | 49,86 |
| 35К5 | 4800,62 | 2700,35 | 1728,22 | 1200,15 | 881,75 | 675,09 | 533,40 | 432,06 | 357,07 | 300,04 | 220,44 | 168,77 | 133,35 | 108,01 | 89,27 | 75,01 | 63,91 | 55,11 |
| 35К6 | 5258,03 | 2957,64 | 1892,89 | 1314,51 | 965,76 | 739,41 | 584,23 | 473,22 | 391,09 | 328,63 | 241,44 | 184,85 | 146,06 | 118,31 | 97,77 | 82,16 | 70,00 | 60,36 |
| 35К7 | 5769,01 | 3245,07 | 2076,84 | 1442,25 | 1059,61 | 811,27 | 641,00 | 519,21 | 429,10 | 360,56 | 264,90 | 202,82 | 160,25 | 129,80 | 107,27 | 90,14 | 76,81 | 66,23 |
| 35К8 | 6326,90 | 3558,88 | 2277,68 | 1581,73 | 1162,08 | 889,72 | 702,99 | 569,42 | 470,60 | 395,43 | 290,52 | 222,43 | 175,75 | 142,36 | 117,65 | 98,86 | 84,23 | 72,63 |
| 35К9 | 6974,45 | 3923,13 | 2510,80 | 1743,61 | 1281,02 | 980,78 | 774,94 | 627,70 | 518,76 | 435,90 | 320,26 | 245,20 | 193,73 | 156,93 | 129,69 | 108,98 | 92,86 | 80,06 |
| 35К10 | 7637,74 | 4296,23 | 2749,58 | 1909,43 | 1402,85 | 1074,06 | 848,64 | 687,40 | 568,10 | 477,36 | 350,71 | 268,51 | 212,16 | 171,85 | 142,02 | 119,34 | 101,69 | 87,68 |
| 35К11 | 8586,75 | 4830,05 | 3091,23 | 2146,69 | 1577,16 | 1207,51 | 954,08 | 772,81 | 638,68 | 536,67 | 394,29 | 301,88 | 238,52 | 193,20 | 159,67 | 134,17 | 114,32 | 98,57 |
| 35К12 | 9558,07 | 5376,41 | 3440,90 | 2389,52 | 1755,56 | 1344,10 | 1062,01 | 860,23 | 710,93 | 597,38 | 438,89 | 336,03 | 265,50 | 215,06 | 177,73 | 149,34 | 127,25 | 109,72 |
| 35К13 | 10542,94 | 5930,40 | 3795,46 | 2635,74 | 1936,46 | 1482,60 | 1171,44 | 948,86 | 784,19 | 658,93 | 484,11 | 370,65 | 292,86 | 237,22 | 196,05 | 164,73 | 140,36 | 121,03 |
| 35К14 | 11542,10 | 6492,43 | 4155,16 | 2885,53 | 2119,98 | 1623,11 | 1282,46 | 1038,79 | 858,50 | 721,38 | 529,99 | 405,78 | 320,61 | 259,70 | 214,63 | 180,35 | 153,67 | 132,50 |
| 35К15 | 12760,95 | 7178,03 | 4593,94 | 3190,24 | 2343,85 | 1794,51 | 1417,88 | 1148,49 | 949,16 | 797,56 | 585,96 | 448,63 | 354,47 | 287,12 | 237,29 | 199,39 | 169,89 | 146,49 |
| 35К16 | 14453,87 | 8130,30 | 5203,39 | 3613,47 | 2654,79 | 2032,58 | 1605,99 | 1300,85 | 1075,08 | 903,37 | 663,70 | 508,14 | 401,50 | 325,21 | 268,77 | 225,84 | 192,43 | 165,92 |
| 35К17 | 15958,88 | 8976,87 | 5745,20 | 3989,72 | 2931,22 | 2244,22 | 1773,21 | 1436,30 | 1187,02 | 997,43 | 732,81 | 561,05 | 443,30 | 359,07 | 296,76 | 249,36 | 212,47 | 183,20 |
| 35К18 | 16853,69 | 9480,20 | 6067,33 | 4213,42 | 3095,57 | 2370,05 | 1872,63 | 1516,83 | 1253,58 | 1053,36 | 773,89 | 592,51 | 468,16 | 379,21 | 313,39 | 263,34 | 224,38 | 193,47 |
| 35К19 | 18769,50 | 10557,85 | 6757,02 | 4692,38 | 3447,46 | 2639,46 | 2085,50 | 1689,26 | 1396,08 | 1173,09 | 861,86 | 659,87 | 521,38 | 422,31 | 349,02 | 293,27 | 249,89 | 215,47 |
| 35К20 | 19883,31 | 11184,36 | 7157,99 | 4970,83 | 3652,04 | 2796,09 | 2209,26 | 1789,50 | 1478,92 | 1242,71 | 913,01 | 699,02 | 552,31 | 447,37 | 369,73 | 310,68 | 264,72 | 228,25 |
| 35К21 | 22123,30 | 12444,36 | 7964,39 | 5530,83 | 4063,46 | 3111,09 | 2458,14 | 1991,10 | 1645,53 | 1382,71 | 1015,87 | 777,77 | 614,54 | 497,77 | 411,38 | 345,68 | 294,54 | 253,97 |
| 35К22 | 24656,67 | 13869,38 | 8876,40 | 6164,17 | 4528,78 | 3467,34 | 2739,63 | 2219,10 | 1833,97 | 1541,04 | 1132,19 | 866,84 | 684,91 | 554,78 | 458,49 | 385,26 | 328,27 | 283,05 |
| 35К23 | 27530,50 | 15485,91 | 9910,98 | 6882,62 | 5056,62 | 3871,48 | 3058,94 | 2477,74 | 2047,72 | 1720,66 | 1264,16 | 967,87 | 764,74 | 619,44 | 511,93 | 430,16 | 366,53 | 316,04 |
| 35К24 | 30703,36 | 17270,64 | 11053,208 | 7675,84 | 5639,39 | 4317,66 | 3411,48 | 2763,30 | 2283,72 | 1918,96 | 1409,85 | 1079,41 | 852,87 | 690,83 | 570,93 | 479,74 | 408,77 | 352,46 |
| 40К1 | 4357,49 | 2451,09 | 1568,70 | 1089,37 | 800,35 | 612,77 | 484,17 | 392,17 | 324,11 | 272,34 | 200,09 | 153,19 | 121,04 | 98,04 | 81,03 | 68,09 | 58,01 | 50,02 |
| 40К2 | 4974,59 | 2798,21 | 1790,85 | 1243,65 | 913,70 | 699,55 | 552,73 | 447,71 | 370,01 | 310,91 | 228,43 | 174,89 | 138,18 | 111,93 | 92,50 | 77,73 | 66,23 | 57,11 |
| 40К3 | 5740,97 | 3229,30 | 2066,75 | 1435,24 | 1054,46 | 807,32 | 637,89 | 516,69 | 427,01 | 358,81 | 263,62 | 201,83 | 159,47 | 129,17 | 106,75 | 89,70 | 76,43 | 65,90 |
| 40К4 | 6692,82 | 3764,71 | 2409,42 | 1673,21 | 1229,29 | 941,18 | 743,65 | 602,35 | 497,81 | 418,30 | 307,32 | 235,29 | 185,91 | 150,59 | 124,45 | 104,58 | 89,11 | 76,83 |
| 40К4,5 | 7193,84 | 4046,54 | 2589,78 | 1798,46 | 1321,32 | 1011,63 | 799,32 | 647,45 | 535,08 | 449,62 | 330,33 | 252,91 | 199,83 | 161,86 | 133,77 | 112,40 | 95,78 | 82,58 |
| 40К5 | 8175,22 | 4598,56 | 2943,08 | 2043,80 | 1501,57 | 1149,64 | 908,36 | 735,77 | 608,07 | 510,95 | 375,39 | 287,41 | 227,09 | 183,94 | 152,02 | 127,74 | 108,84 | 93,85 |
| 40К6 | 8549,28 | 4808,97 | 3077,74 | 2137,32 | 1570,28 | 1202,24 | 949,92 | 769,44 | 635,90 | 534,33 | 392,57 | 300,56 | 237,48 | 192,36 | 158,97 | 133,58 | 113,82 | 98,14 |
| 40К7 | 9638,39 | 5421,59 | 3469,82 | 2409,60 | 1770,32 | 1355,40 | 1070,93 | 867,46 | 716,90 | 602,40 | 442,58 | 338,85 | 267,73 | 216,86 | 179,23 | 150,60 | 128,32 | 110,64 |
| 40К8 | 10739,30 | 6040,86 | 3866,15 | 2684,83 | 1972,53 | 1510,21 | 1193,26 | 966,54 | 798,79 | 671,21 | 493,13 | 377,55 | 298,31 | 241,63 | 199,70 | 167,80 | 142,98 | 123,28 |
| 40К9 | 12080,46 | 6795,26 | 4348,97 | 3020,11 | 2218,86 | 1698,81 | 1342,27 | 1087,24 | 898,55 | 755,03 | 554,71 | 424,70 | 335,57 | 271,81 | 224,64 | 188,76 | 160,83 | 138,68 |
| 40К10 | 13646,40 | 7676,10 | 4912,71 | 3411,60 | 2506,48 | 1919,03 | 1516,27 | 1228,18 | 1015,02 | 852,90 | 626,62 | 479,76 | 379,07 | 307,04 | 253,76 | 213,23 | 181,68 | 156,66 |
| 40К11 | 15441,07 | 8685,60 | 5558,79 | 3860,27 | 2836,12 | 2171,40 | 1715,67 | 1389,70 | 1148,51 | 965,07 | 709,03 | 542,85 | 428,92 | 347,42 | 287,13 | 241,27 | 205,58 | 177,26 |
| 40К12 | 17366,51 | 9768,66 | 6251,94 | 4341,63 | 3189,77 | 2442,17 | 1929,61 | 1562,99 | 1291,72 | 1085,41 | 797,44 | 610,54 | 482,40 | 390,75 | 322,93 | 271,35 | 231,21 | 199,36 |
| 40К13 | 18603,24 | 10464,32 | 6697,17 | 4650,81 | 3416,92 | 2616,08 | 2067,03 | 1674,29 | 1383,71 | 1162,70 | 854,23 | 654,02 | 516,76 | 418,57 | 345,93 | 290,68 | 247,68 | 213,56 |
| 40К14 | 20976,52 | 11799,29 | 7551,55 | 5244,13 | 3852,83 | 2949,82 | 2330,72 | 1887,89 | 1560,24 | 1311,03 | 963,21 | 737,46 | 582,68 | 471,97 | 390,06 | 327,76 | 279,27 | 240,80 |
| 40К15 | 22500,60 | 12656,59 | 8100,22 | 5625,15 | 4132,76 | 3164,15 | 2500,07 | 2025,05 | 1673,60 | 1406,29 | 1033,19 | 791,04 | 625,02 | 506,26 | 418,40 | 351,57 | 299,56 | 258,30 |
| 40К16 | 25472,05 | 14328,03 | 9169,94 | 6368,01 | 4678,54 | 3582,01 | 2830,23 | 2292,48 | 1894,62 | 1592,00 | 1169,63 | 895,50 | 707,56 | 573,12 | 473,65 | 398,00 | 339,12 | 292,41 |
| 40К17 | 29043,65 | 16337,05 | 10455,71 | 7260,91 | 5334,55 | 4084,26 | 3227,07 | 2613,93 | 2160,27 | 1815,23 | 1333,64 | 1021,07 | 806,77 | 653,48 | 540,07 | 453,81 | 386,68 | 333,41 |
| 40К18 | 33020,18 | 18573,85 | 11887,27 | 8255,05 | 6064,93 | 4643,46 | 3668,91 | 2971,82 | 2456,05 | 2063,76 | 1516,23 | 1160,87 | 917,23 | 742,95 | 614,01 | 515,94 | 439,62 | 379,06 |
| 40К19 | 37504,12 | 21096,07 | 13501,48 | 9376,03 | 6888,51 | 5274,02 | 4167,12 | 3375,37 | 2789,56 | 2344,01 | 1722,13 | 1318,50 | 1041,78 | 843,84 | 697,39 | 586,00 | 499,32 | 430,53 |
| Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | | |
| 13С1 | 211,92 | 119,20 | 76,29 | 52,98 | 38,92 | 29,80 | 23,55 | 19,07 | 15,76 | 13,24 | 9,73 | 7,45 | 5,89 | 4,77 | 3,94 | 3,31 | 2,82 | 2,43 |
| 20С1 | 761,69 | 428,45 | 274,21 | 190,42 | 139,90 | 107,11 | 84,63 | 68,55 | 56,65 | 47,61 | 34,98 | 26,78 | 21,16 | 17,14 | 14,16 | 11,90 | 10,14 | 8,74 |
| 25С1 | 1101,26 | 619,46 | 396,45 | 275,31 | 202,27 | 154,86 | 122,36 | 99,11 | 81,91 | 68,83 | 50,57 | 38,72 | 30,59 | 24,78 | 20,48 | 17,21 | 14,66 | 12,64 |
| 25С2 | 1404,59 | 790,08 | 505,65 | 351,15 | 257,99 | 197,52 | 156,07 | 126,41 | 104,47 | 87,79 | 64,50 | 49,38 | 39,02 | 31,60 | 26,12 | 21,95 | 18,70 | 16,12 |
| 30С1 | 1754,09 | 986,68 | 631,47 | 438,52 | 322,18 | 246,67 | 194,90 | 157,87 | 130,47 | 109,63 | 80,55 | 61,67 | 48,72 | 39,47 | 32,62 | 27,41 | 23,35 | 20,14 |
| 30С2 | 2195,03 | 1234,70 | 790,21 | 548,76 | 403,17 | 308,68 | 243,89 | 197,55 | 163,27 | 137,19 | 100,79 | 77,17 | 60,97 | 49,39 | 40,82 | 34,30 | 29,22 | 25,20 |
| 32С1 | 3745,70 | 2106,96 | 1348,45 | 936,42 | 687,99 | 526,74 | 416,19 | 337,11 | 278,61 | 234,11 | 172,00 | 131,68 | 104,05 | 84,28 | 69,65 | 58,53 | 49,87 | 43,00 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



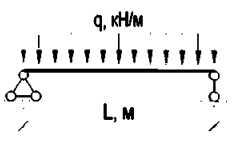



Таблица 6.4.1

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 32С2 | 4547,09 | 2557,74 | 1636,95 | 1136,77 | 835,18 | 639,43 | 505,23 | 409,24 | 338,21 | 284,19 | 208,79 | 159,86 | 126,31 | 102,31 | 84,55 | 71,05 | 60,54 | 52,20 |
| 35С1 | 2550,34 | 1434,57 | 918,12 | 637,58 | 468,43 | 358,64 | 283,37 | 229,53 | 189,69 | 159,40 | 117,11 | 89,66 | 70,84 | 57,38 | 47,42 | 39,85 | 33,95 | 29,28 |
| 35С2 | 3140,64 | 1766,61 | 1130,63 | 785,16 | 576,85 | 441,65 | 348,96 | 282,66 | 233,60 | 196,29 | 144,21 | 110,41 | 87,24 | 70,66 | 58,40 | 49,07 | 41,81 | 36,05 |
| 35С3 | 3739,05 | 2103,22 | 1346,06 | 934,76 | 686,76 | 525,80 | 415,45 | 336,51 | 278,11 | 233,69 | 171,69 | 131,45 | 103,86 | 84,13 | 69,53 | 58,42 | 49,78 | 42,92 |
| 40С1 | 3859,07 | 2170,73 | 1389,26 | 964,77 | 708,81 | 542,68 | 428,79 | 347,32 | 287,04 | 241,19 | 177,20 | 135,67 | 107,20 | 86,83 | 71,76 | 60,30 | 51,38 | 44,30 |
| 40С2 | 4634,37 | 2606,83 | 1668,37 | 1158,59 | 851,21 | 651,71 | 514,93 | 417,09 | 344,71 | 289,65 | 212,80 | 162,93 | 128,73 | 104,27 | 86,18 | 72,41 | 61,70 | 53,20 |
| 40С3 | 5293,12 | 2977,38 | 1905,52 | 1323,28 | 972,21 | 744,35 | 588,12 | 476,38 | 393,70 | 330,82 | 243,05 | 186,09 | 147,03 | 119,10 | 98,43 | 82,71 | 70,47 | 60,76 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 381,15 | 214,40 | 137,21 | 95,29 | 70,01 | 53,60 | 42,35 | 34,30 | 28,35 | 23,82 | 17,50 | 13,40 | 10,59 | 8,58 | 7,09 | 5,96 | 5,07 | 4,38 |
| 20ДБ2 | 456,83 | 256,97 | 164,46 | 114,21 | 83,91 | 64,24 | 50,76 | 41,11 | 33,98 | 28,55 | 20,98 | 16,06 | 12,69 | 10,28 | 8,49 | 7,14 | 6,08 | 5,24 |
| 25ДБ1 | 536,79 | 301,95 | 193,25 | 134,20 | 98,59 | 75,49 | 59,64 | 48,31 | 39,93 | 33,55 | 24,65 | 18,87 | 14,91 | 12,08 | 9,98 | 8,39 | 7,15 | 6,16 |
| 25ДБ2 | 661,40 | 372,04 | 238,10 | 165,35 | 121,48 | 93,01 | 73,49 | 59,53 | 49,19 | 41,34 | 30,37 | 23,25 | 18,37 | 14,88 | 12,30 | 10,33 | 8,81 | 7,59 |
| 25ДБ3 | 770,71 | 433,53 | 277,46 | 192,68 | 141,56 | 108,38 | 85,63 | 69,36 | 57,33 | 48,17 | 35,39 | 27,10 | 21,41 | 17,34 | 14,33 | 12,04 | 10,26 | 8,85 |
| 25ДБ4 | 579,30 | 325,85 | 208,55 | 144,82 | 106,40 | 81,46 | 64,37 | 52,14 | 43,09 | 36,21 | 26,60 | 20,37 | 16,09 | 13,03 | 10,77 | 9,05 | 7,71 | 6,65 |
| 25ДБ5 | 701,15 | 394,40 | 252,41 | 175,29 | 128,78 | 98,60 | 77,91 | 63,10 | 52,15 | 43,82 | 32,20 | 24,65 | 19,48 | 15,78 | 13,04 | 10,96 | 9,33 | 8,05 |
| 25ДБ6 | 817,04 | 459,58 | 294,13 | 204,26 | 150,07 | 114,90 | 90,78 | 73,53 | 60,77 | 51,06 | 37,52 | 28,72 | 22,70 | 18,38 | 15,19 | 12,77 | 10,88 | 9,38 |
| 30ДБ1 | 536,95 | 302,03 | 193,30 | 134,24 | 98,62 | 75,51 | 59,66 | 48,33 | 39,94 | 33,56 | 24,66 | 18,88 | 14,92 | 12,08 | 9,98 | 8,39 | 7,15 | 6,16 |
| 30ДБ2 | 634,64 | 356,99 | 228,47 | 158,66 | 116,57 | 89,25 | 70,52 | 57,12 | 47,20 | 39,67 | 29,14 | 22,31 | 17,63 | 14,28 | 11,80 | 9,92 | 8,45 | 7,29 |
| 30ДБ3 | 842,88 | 474,12 | 303,44 | 210,72 | 154,81 | 118,53 | 93,65 | 75,86 | 62,69 | 52,68 | 38,70 | 29,63 | 23,41 | 18,96 | 15,67 | 13,17 | 11,22 | 9,68 |
| 30ДБ4 | 973,14 | 547,39 | 350,33 | 243,28 | 178,74 | 136,85 | 108,13 | 87,58 | 72,38 | 60,82 | 44,68 | 34,21 | 27,03 | 21,90 | 18,10 | 15,21 | 12,96 | 11,17 |
| 30ДБ5 | 1145,29 | 644,23 | 412,30 | 286,32 | 210,36 | 161,06 | 127,25 | 103,08 | 85,19 | 71,58 | 52,59 | 40,26 | 31,81 | 25,77 | 21,30 | 17,90 | 15,25 | 13,15 |
| 30ДБ6 | 856,94 | 482,03 | 308,50 | 214,24 | 157,40 | 120,51 | 95,22 | 77,12 | 63,74 | 53,56 | 39,35 | 30,13 | 23,80 | 19,28 | 15,93 | 13,39 | 11,41 | 9,84 |
| 30ДБ7 | 987,20 | 555,30 | 355,39 | 246,80 | 181,32 | 138,83 | 109,69 | 88,85 | 73,43 | 61,70 | 45,33 | 34,71 | 27,42 | 22,21 | 18,36 | 15,43 | 13,14 | 11,33 |
| 30ДБ8 | 1152,17 | 648,10 | 414,78 | 288,04 | 211,62 | 162,02 | 128,02 | 103,70 | 85,70 | 72,01 | 52,91 | 40,51 | 32,00 | 25,92 | 21,42 | 18,00 | 15,34 | 13,23 |
| 35ДБ1 | 724,39 | 407,47 | 260,78 | 181,10 | 133,05 | 101,87 | 80,49 | 65,19 | 53,88 | 45,27 | 33,26 | 25,47 | 20,12 | 16,30 | 13,47 | 11,32 | 9,64 | 8,32 |
| 35ДБ2 | 887,06 | 498,97 | 319,34 | 221,77 | 162,93 | 124,74 | 98,56 | 79,84 | 65,98 | 55,44 | 40,73 | 31,19 | 24,64 | 19,96 | 16,49 | 13,86 | 11,81 | 10,18 |
| 35ДБ3 | 1056,92 | 594,52 | 380,49 | 264,23 | 194,13 | 148,63 | 117,44 | 95,12 | 78,61 | 66,06 | 48,53 | 37,16 | 29,36 | 23,78 | 19,65 | 16,51 | 14,07 | 12,13 |
| 35ДБ4 | 1217,15 | 684,65 | 438,17 | 304,29 | 223,56 | 171,16 | 135,24 | 109,54 | 90,53 | 76,07 | 55,89 | 42,79 | 33,81 | 27,39 | 22,63 | 19,02 | 16,20 | 13,97 |
| 35ДБ5 | 1371,11 | 771,25 | 493,60 | 342,78 | 251,84 | 192,81 | 152,35 | 123,40 | 101,98 | 85,69 | 62,96 | 48,20 | 38,09 | 30,85 | 25,50 | 21,42 | 18,25 | 15,74 |
| 35ДБ6 | 1637,75 | 921,23 | 589,59 | 409,44 | 300,81 | 230,31 | 181,97 | 147,40 | 121,82 | 102,36 | 75,20 | 57,58 | 45,49 | 36,85 | 30,45 | 25,59 | 21,80 | 18,80 |
| 35ДБ7 | 2317,64 | 1303,67 | 834,35 | 579,41 | 425,69 | 325,92 | 257,52 | 208,59 | 172,39 | 144,85 | 106,42 | 81,48 | 64,38 | 52,15 | 43,10 | 36,21 | 30,86 | 26,61 |
| 35ДБ8 | 2587,64 | 1455,55 | 931,55 | 646,91 | 475,28 | 363,89 | 287,52 | 232,89 | 192,47 | 161,73 | 118,82 | 90,97 | 71,88 | 58,22 | 48,12 | 40,43 | 34,45 | 29,71 |
| 35ДБ9 | 2816,06 | 1584,03 | 1013,78 | 704,02 | 517,24 | 396,01 | 312,90 | 253,45 | 209,46 | 176,00 | 129,31 | 99,00 | 78,22 | 63,36 | 52,36 | 44,00 | 37,49 | 32,33 |
| 35ДБ10 | 3011,31 | 1693,86 | 1084,07 | 752,83 | 553,10 | 423,47 | 334,59 | 271,02 | 223,98 | 188,21 | 138,27 | 105,87 | 83,65 | 67,75 | 56,00 | 47,05 | 40,09 | 34,57 |
| 40ДБ1 | 969,93 | 545,58 | 349,17 | 242,48 | 178,15 | 136,40 | 107,77 | 87,29 | 72,14 | 60,62 | 44,54 | 34,10 | 26,94 | 21,82 | 18,04 | 15,16 | 12,91 | 11,13 |
| 40ДБ2 | 1181,37 | 664,52 | 425,29 | 295,34 | 216,99 | 166,13 | 131,26 | 106,32 | 87,87 | 73,84 | 54,25 | 41,53 | 32,82 | 26,58 | 21,97 | 18,46 | 15,73 | 13,56 |
| 40ДБ3 | 1412,39 | 794,47 | 508,46 | 353,10 | 259,42 | 198,62 | 156,93 | 127,11 | 105,05 | 88,27 | 64,85 | 49,65 | 39,23 | 31,78 | 26,26 | 22,07 | 18,80 | 16,21 |
| 40ДБ4 | 1621,85 | 912,29 | 583,86 | 405,46 | 297,89 | 228,07 | 180,21 | 145,97 | 120,63 | 101,37 | 74,47 | 57,02 | 45,05 | 36,49 | 30,16 | 25,34 | 21,59 | 18,62 |
| 40ДБ5 | 1831,61 | 1030,28 | 659,38 | 457,90 | 336,42 | 257,57 | 203,51 | 164,84 | 136,24 | 114,48 | 84,10 | 64,39 | 50,88 | 41,21 | 34,06 | 28,62 | 24,39 | 21,03 |
| 40ДБ6 | 2035,72 | 1145,09 | 732,86 | 508,93 | 373,91 | 286,27 | 226,19 | 183,21 | 151,42 | 127,23 | 93,48 | 71,57 | 56,55 | 45,80 | 37,85 | 31,81 | 27,10 | 23,37 |
| 40ДБ7 | 2312,60 | 1300,84 | 832,54 | 578,15 | 424,76 | 325,21 | 256,96 | 208,13 | 172,01 | 144,54 | 106,19 | 81,30 | 64,24 | 52,03 | 43,00 | 36,13 | 30,79 | 26,55 |
| 45ДБ1 | 1441,74 | 810,98 | 519,03 | 360,44 | 264,81 | 202,75 | 160,19 | 129,76 | 107,24 | 90,11 | 66,20 | 50,69 | 40,05 | 32,44 | 26,81 | 22,53 | 19,19 | 16,55 |
| 45ДБ2 | 1713,73 | 963,97 | 616,94 | 428,43 | 314,77 | 240,99 | 190,41 | 154,24 | 127,47 | 107,11 | 78,69 | 60,25 | 47,60 | 38,56 | 31,87 | 26,78 | 22,82 | 19,67 |
| 45ДБ3 | 1978,54 | 1112,93 | 712,27 | 494,63 | 363,40 | 278,23 | 219,84 | 178,07 | 147,16 | 123,66 | 90,85 | 69,56 | 54,96 | 44,52 | 36,79 | 30,91 | 26,34 | 22,71 |
| 45ДБ4 | 2162,61 | 1216,47 | 778,54 | 540,65 | 397,21 | 304,12 | 240,29 | 194,64 | 160,86 | 135,16 | 99,30 | 76,03 | 60,07 | 48,66 | 40,21 | 33,79 | 28,79 | 24,83 |
| 45ДБ5 | 2401,88 | 1351,06 | 864,68 | 600,47 | 441,16 | 337,77 | 266,88 | 216,17 | 178,65 | 150,12 | 110,29 | 84,44 | 66,72 | 54,04 | 44,66 | 37,53 | 31,98 | 27,57 |
| 45ДБ6 | 1981,44 | 1114,56 | 713,32 | 495,36 | 363,94 | 278,64 | 220,16 | 178,33 | 147,38 | 123,84 | 90,98 | 69,66 | 55,04 | 44,58 | 36,84 | 30,96 | 26,38 | 22,75 |
| 45ДБ7 | 2225,60 | 1251,90 | 801,22 | 556,40 | 408,78 | 312,98 | 247,29 | 200,30 | 165,54 | 139,10 | 102,20 | 78,24 | 61,82 | 50,08 | 41,39 | 34,78 | 29,63 | 25,55 |
| 45ДБ8 | 2459,83 | 1383,65 | 885,54 | 614,96 | 451,81 | 345,91 | 273,31 | 221,38 | 182,96 | 153,74 | 112,95 | 86,48 | 68,33 | 55,35 | 45,74 | 38,43 | 32,75 | 28,24 |
| 45ДБ9 | 2704,60 | 1521,34 | 973,66 | 676,15 | 496,76 | 380,34 | 300,51 | 243,41 | 201,17 | 169,04 | 124,19 | 95,08 | 75,13 | 60,85 | 50,29 | 42,26 | 36,01 | 31,05 |
| 45ДБ10 | 2920,33 | 1642,69 | 1051,32 | 730,08 | 536,39 | 410,67 | 324,48 | 262,83 | 217,21 | 182,52 | 134,10 | 102,67 | 81,12 | 65,71 | 54,30 | 45,63 | 38,88 | 33,52 |
| 45ДБ11 | 3109,27 | 1748,96 | 1119,34 | 777,32 | 571,09 | 437,24 | 345,47 | 279,83 | 231,27 | 194,33 | 142,77 | 109,31 | 86,37 | 69,96 | 57,82 | 48,58 | 41,40 | 35,69 |
| 53ДБ3 | 3169,52 | 1782,86 | 1141,03 | 792,38 | 582,16 | 445,71 | 352,17 | 285,26 | 235,75 | 198,10 | 145,54 | 111,43 | 88,04 | 71,31 | 58,94 | 49,52 | 42,20 | 36,38 |
| 53ДБ4 | 3513,55 | 1976,37 | 1264,88 | 878,39 | 645,35 | 494,09 | 390,39 | 316,22 | 261,34 | 219,60 | 161,34 | 123,52 | 97,60 | 79,05 | 65,33 | 54,90 | 46,78 | 40,33 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

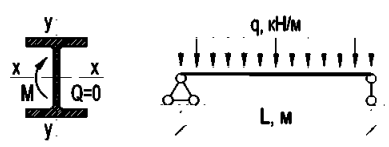
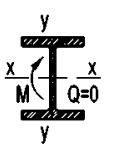


Таблица 6.4.1

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 53ДБ5 | 3785,80 | 2129,51 | 1362,89 | 946,45 | 695,35 | 532,38 | 420,64 | 340,72 | 281,59 | 236,61 | 173,84 | 133,09 | 105,16 | 85,18 | 70,40 | 59,15 | 50,40 | 43,46 |
| 53ДБ6 | 4177,18 | 2349,66 | 1503,79 | 1044,30 | 767,24 | 587,42 | 464,13 | 375,95 | 310,70 | 261,07 | 191,81 | 146,85 | 116,03 | 93,99 | 77,67 | 65,27 | 55,61 | 47,95 |
| 53ДБ7 | 4683,24 | 2634,32 | 1685,97 | 1170,81 | 860,19 | 658,58 | 520,36 | 421,49 | 348,34 | 292,70 | 215,05 | 164,65 | 130,09 | 105,37 | 87,09 | 73,18 | 62,35 | 53,76 |
| 60ДБ1 | 2857,65 | 1607,43 | 1028,75 | 714,41 | 524,87 | 401,86 | 317,52 | 257,19 | 212,55 | 178,60 | 131,22 | 100,46 | 79,38 | 64,30 | 53,14 | 44,65 | 38,05 | 32,80 |
| 60ДБ2 | 3277,48 | 1843,58 | 1179,89 | 819,37 | 601,99 | 460,90 | 364,16 | 294,97 | 243,78 | 204,84 | 150,50 | 115,22 | 91,04 | 73,74 | 60,94 | 51,21 | 43,64 | 37,62 |
| 60ДБ3 | 3872,06 | 2178,04 | 1393,94 | 968,02 | 711,20 | 544,51 | 430,23 | 348,49 | 288,00 | 242,00 | 177,80 | 136,13 | 107,56 | 87,12 | 72,00 | 60,50 | 51,55 | 44,45 |
| 60ДБ4 | 4403,05 | 2476,71 | 1585,10 | 1100,76 | 808,72 | 619,18 | 489,23 | 396,27 | 327,50 | 275,19 | 202,18 | 154,79 | 122,31 | 99,07 | 81,87 | 68,80 | 58,62 | 50,55 |
| 60ДБ5 | 4923,33 | 2769,37 | 1772,40 | 1230,83 | 904,28 | 692,34 | 547,04 | 443,10 | 366,20 | 307,71 | 226,07 | 173,09 | 136,76 | 110,77 | 91,55 | 76,93 | 65,55 | 56,52 |
| 60ДБ6 | 5420,20 | 3048,86 | 1951,27 | 1355,05 | 995,55 | 762,22 | 602,24 | 487,82 | 403,16 | 338,76 | 248,89 | 190,55 | 150,56 | 121,95 | 100,79 | 84,69 | 72,16 | 62,22 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 111,61 | 62,78 | 40,18 | 27,90 | 20,50 | 15,70 | 12,40 | 10,04 | 8,30 | 6,98 | 5,12 | 3,92 | 3,10 | 2,51 | 2,08 | 1,74 | 1,49 | 1,28 |
| 10ДК2 | 137,60 | 77,40 | 49,54 | 34,40 | 25,27 | 19,35 | 15,29 | 12,38 | 10,23 | 8,60 | 6,32 | 4,84 | 3,82 | 3,10 | 2,56 | 2,15 | 1,83 | 1,58 |
| 10ДК3 | 290,49 | 163,40 | 104,58 | 72,62 | 53,36 | 40,85 | 32,28 | 26,14 | 21,61 | 18,16 | 13,34 | 10,21 | 8,07 | 6,54 | 5,40 | 4,54 | 3,87 | 3,33 |
| 12ДК1 | 162,06 | 91,16 | 58,34 | 40,52 | 29,77 | 22,79 | 18,01 | 14,59 | 12,05 | 10,13 | 7,44 | 5,70 | 4,50 | 3,65 | 3,01 | 2,53 | 2,16 | 1,86 |
| 12ДК2 | 220,16 | 123,84 | 79,26 | 55,04 | 40,44 | 30,96 | 24,46 | 19,81 | 16,38 | 13,76 | 10,11 | 7,74 | 6,12 | 4,95 | 4,09 | 3,44 | 2,93 | 2,53 |
| 12ДК3 | 430,08 | 241,92 | 154,83 | 107,52 | 78,99 | 60,48 | 47,79 | 38,71 | 31,99 | 26,88 | 19,75 | 15,12 | 11,95 | 9,68 | 8,00 | 6,72 | 5,73 | 4,94 |
| 14ДК1 | 236,98 | 133,30 | 85,31 | 59,24 | 43,53 | 33,33 | 26,33 | 21,33 | 17,63 | 14,81 | 10,88 | 8,33 | 6,58 | 5,33 | 4,41 | 3,70 | 3,16 | 2,72 |
| 14ДК2 | 330,24 | 185,76 | 118,89 | 82,56 | 60,66 | 46,44 | 36,69 | 29,72 | 24,56 | 20,64 | 15,16 | 11,61 | 9,17 | 7,43 | 6,14 | 5,16 | 4,40 | 3,79 |
| 14ДК3 | 613,76 | 345,24 | 220,95 | 153,44 | 112,73 | 86,31 | 68,20 | 55,24 | 45,65 | 38,36 | 28,18 | 21,58 | 17,05 | 13,81 | 11,41 | 9,59 | 8,17 | 7,05 |
| 15ДК1 | 244,01 | 137,26 | 87,84 | 61,00 | 44,82 | 34,31 | 27,11 | 21,96 | 18,15 | 15,25 | 11,20 | 8,58 | 6,78 | 5,49 | 4,54 | 3,81 | 3,25 | 2,80 |
| 15ДК2 | 335,44 | 188,68 | 120,76 | 83,86 | 61,61 | 47,17 | 37,27 | 30,19 | 24,95 | 20,96 | 15,40 | 11,79 | 9,32 | 7,55 | 6,24 | 5,24 | 4,47 | 3,85 |
| 15ДК3 | 420,44 | 236,50 | 151,36 | 105,11 | 77,22 | 59,13 | 46,72 | 37,84 | 31,27 | 26,28 | 19,31 | 14,78 | 11,68 | 9,46 | 7,82 | 6,57 | 5,60 | 4,83 |
| 16ДК1 | 336,36 | 189,20 | 121,09 | 84,09 | 61,78 | 47,30 | 37,37 | 30,27 | 25,02 | 21,02 | 15,44 | 11,83 | 9,34 | 7,57 | 6,25 | 5,26 | 4,48 | 3,86 |
| 16ДК2 | 475,48 | 267,46 | 171,17 | 118,87 | 87,33 | 66,87 | 52,83 | 42,79 | 35,37 | 29,72 | 21,83 | 16,72 | 13,21 | 10,70 | 8,84 | 7,43 | 6,33 | 5,46 |
| 16ДК3 | 845,23 | 475,44 | 304,28 | 211,31 | 155,25 | 118,86 | 93,91 | 76,07 | 62,87 | 52,83 | 38,81 | 29,72 | 23,48 | 19,02 | 15,72 | 13,21 | 11,25 | 9,70 |
| 18ДК1 | 449,49 | 252,84 | 161,82 | 112,37 | 82,56 | 63,21 | 49,94 | 40,45 | 33,43 | 28,09 | 20,64 | 15,80 | 12,49 | 10,11 | 8,36 | 7,02 | 5,98 | 5,16 |
| 18ДК2 | 649,78 | 365,50 | 233,92 | 162,44 | 119,35 | 91,38 | 72,20 | 58,48 | 48,33 | 40,61 | 29,84 | 22,84 | 18,05 | 14,62 | 12,08 | 10,15 | 8,65 | 7,46 |
| 18ДК3 | 1117,01 | 628,32 | 402,12 | 279,25 | 205,17 | 157,08 | 124,11 | 100,53 | 83,08 | 69,81 | 51,29 | 39,27 | 31,03 | 25,13 | 20,77 | 17,45 | 14,87 | 12,82 |
| 20ДК1 | 684,79 | 385,19 | 246,52 | 171,20 | 125,78 | 96,30 | 76,09 | 61,63 | 50,93 | 42,80 | 31,44 | 24,07 | 19,02 | 15,41 | 12,73 | 10,70 | 9,12 | 7,86 |
| 20ДК2 | 782,64 | 440,23 | 281,75 | 195,66 | 143,75 | 110,06 | 86,96 | 70,44 | 58,21 | 48,91 | 35,94 | 27,51 | 21,74 | 17,61 | 14,55 | 12,23 | 10,42 | 8,98 |
| 20ДК3 | 890,27 | 500,78 | 320,50 | 222,57 | 163,52 | 125,19 | 98,92 | 80,12 | 66,22 | 55,64 | 40,88 | 31,30 | 24,73 | 20,03 | 16,55 | 13,91 | 11,85 | 10,22 |
| 20ДК4 | 1084,75 | 610,17 | 390,51 | 271,19 | 199,24 | 152,54 | 120,53 | 97,63 | 80,68 | 67,80 | 49,81 | 38,14 | 30,13 | 24,41 | 20,17 | 16,95 | 14,44 | 12,45 |
| 20ДК5 | 1274,26 | 716,77 | 458,73 | 318,57 | 234,05 | 179,19 | 141,58 | 114,68 | 94,78 | 79,64 | 58,51 | 44,80 | 35,40 | 28,67 | 23,69 | 19,91 | 16,97 | 14,63 |
| 20ДК6 | 1477,50 | 831,10 | 531,90 | 369,38 | 271,38 | 207,77 | 164,17 | 132,98 | 109,90 | 92,34 | 67,84 | 51,94 | 41,04 | 33,24 | 27,47 | 23,09 | 19,67 | 16,96 |
| 25ДК1 | 1362,55 | 766,43 | 490,52 | 340,64 | 250,26 | 191,61 | 151,39 | 122,63 | 101,35 | 85,16 | 62,57 | 47,90 | 37,85 | 30,66 | 25,34 | 21,29 | 18,14 | 15,64 |
| 25ДК2 | 1501,06 | 844,35 | 540,38 | 375,27 | 275,71 | 211,09 | 166,78 | 135,10 | 111,65 | 93,82 | 68,93 | 52,77 | 41,70 | 33,77 | 27,91 | 23,45 | 19,98 | 17,23 |
| 25ДК3 | 1676,43 | 942,99 | 603,51 | 419,11 | 307,92 | 235,75 | 186,27 | 150,88 | 124,69 | 104,78 | 76,98 | 58,94 | 46,57 | 37,72 | 31,17 | 26,19 | 22,32 | 19,24 |
| 25ДК4 | 1895,98 | 1066,49 | 682,55 | 473,99 | 348,24 | 266,62 | 210,66 | 170,64 | 141,02 | 118,50 | 87,06 | 66,66 | 52,67 | 42,66 | 35,26 | 29,62 | 25,24 | 21,77 |

Примечание:

- Описание таблицы приведено в п. 6.4.5 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



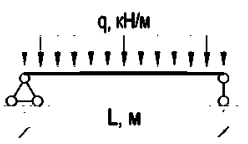
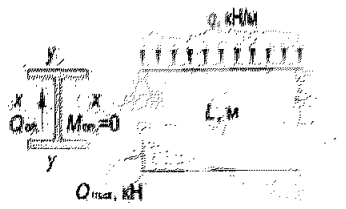



**ТАБЛИЦА 6.4.2 –** Предельная равномерно распределённая нагрузка ( $q$ ) на балку по предельной поперечной силе ( $Q_{max}$ ) на опоре при расчётах на прочность шарнирно опёртых балок 1-го класса (без учета развития пластических деформаций), при изгибе в плоскости с наибольшей жёсткостью *y-y*




| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 68.81 | 51.61 | 41.29 | 34.40 | 29.49 | 25.80 | 22.94 | 20.64 | 18.77 | 17.20 | 14.74 | 12.90 | 11.47 | 10.32 | 9.38 | 8.60 | 7.94 | 7.37 |
| 12Б1 | 75.81 | 56.86 | 45.49 | 37.91 | 32.49 | 28.43 | 25.27 | 22.74 | 20.68 | 18.95 | 16.25 | 14.21 | 12.64 | 11.37 | 10.34 | 9.48 | 8.75 | 8.12 |
| 12Б2 | 89.03 | 66.77 | 53.42 | 44.52 | 38.16 | 33.39 | 29.68 | 26.71 | 24.28 | 22.26 | 19.08 | 16.69 | 14.84 | 13.35 | 12.14 | 11.13 | 10.27 | 9.54 |
| 14Б1 | 89.24 | 66.93 | 53.54 | 44.62 | 38.25 | 33.46 | 29.75 | 26.77 | 24.34 | 22.31 | 19.12 | 16.73 | 14.87 | 13.39 | 12.17 | 11.15 | 10.30 | 9.56 |
| 14Б2 | 111.34 | 83.50 | 66.80 | 55.67 | 47.72 | 41.75 | 37.11 | 33.40 | 30.37 | 27.83 | 23.86 | 20.88 | 18.56 | 16.70 | 15.18 | 13.92 | 12.85 | 11.93 |
| 16Б1 | 107.58 | 80.68 | 64.55 | 53.79 | 46.10 | 40.34 | 35.86 | 32.27 | 29.34 | 26.89 | 23.05 | 20.17 | 17.93 | 16.14 | 14.67 | 13.45 | 12.41 | 11.53 |
| 16Б2 | 135.69 | 101.77 | 81.41 | 67.84 | 58.15 | 50.88 | 45.23 | 40.71 | 37.01 | 33.92 | 29.08 | 25.44 | 22.61 | 20.35 | 18.50 | 16.96 | 15.66 | 14.54 |
| 18Б1 | 130.58 | 97.93 | 78.35 | 65.29 | 55.96 | 48.97 | 43.53 | 39.17 | 35.61 | 32.64 | 27.98 | 24.48 | 21.76 | 19.59 | 17.81 | 16.32 | 15.07 | 13.99 |
| 18Б2 | 162.17 | 121.63 | 97.30 | 81.09 | 69.50 | 60.82 | 54.06 | 48.65 | 44.23 | 40.54 | 34.75 | 30.41 | 27.03 | 24.33 | 22.11 | 20.27 | 18.71 | 17.38 |
| 20Б0 | 153.09 | 114.82 | 91.85 | 76.54 | 65.61 | 57.41 | 51.03 | 45.93 | 41.75 | 38.27 | 32.80 | 28.70 | 25.51 | 22.96 | 20.88 | 19.14 | 17.66 | 16.40 |
| 20Б1 | 187.25 | 140.44 | 112.35 | 93.62 | 80.25 | 70.22 | 62.42 | 56.17 | 51.07 | 46.81 | 40.12 | 35.11 | 31.21 | 28.09 | 25.53 | 23.41 | 21.61 | 20.06 |
| 20Б2 | 223.05 | 167.29 | 133.83 | 111.53 | 95.59 | 83.64 | 74.35 | 66.92 | 60.83 | 55.76 | 47.80 | 41.82 | 37.18 | 33.46 | 30.42 | 27.88 | 25.74 | 23.90 |
| 20Б3 | 267.30 | 200.47 | 160.38 | 133.65 | 114.56 | 100.24 | 89.10 | 80.19 | 72.90 | 66.82 | 57.28 | 50.12 | 44.55 | 40.09 | 36.45 | 33.41 | 30.84 | 28.64 |
| 25Б1 | Оп.реб. | 160.60 | 128.48 | 107.06 | 91.77 | 80.30 | 71.38 | 64.24 | 58.40 | 53.53 | 45.88 | 40.15 | 35.69 | 32.12 | 29.20 | 26.77 | 24.71 | 22.94 |
| 25Б2 | Оп.реб. | 192.70 | 154.16 | 128.46 | 110.11 | 96.35 | 85.64 | 77.08 | 70.07 | 64.23 | 55.06 | 48.17 | 42.82 | 38.54 | 35.04 | 32.12 | 29.65 | 27.53 |
| 25Б3 | Оп.реб. | 233.82 | 187.06 | 155.88 | 133.61 | 116.91 | 103.92 | 93.53 | 85.03 | 77.94 | 66.81 | 58.46 | 51.96 | 46.76 | 42.51 | 38.97 | 35.97 | 33.40 |
| 25Б4 | Оп.реб. | 283.65 | 226.92 | 189.10 | 162.08 | 141.82 | 126.07 | 113.46 | 103.14 | 94.55 | 81.04 | 70.91 | 63.03 | 56.73 | 51.57 | 47.27 | 43.64 | 40.52 |
| 30Б1 | Оп.реб. | 212.13 | 169.71 | 141.42 | 121.22 | 106.07 | 94.28 | 84.85 | 77.14 | 70.71 | 60.61 | 53.03 | 47.14 | 42.43 | 38.57 | 35.36 | 32.64 | 30.30 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30Б2 | Оп.реб. | 250.67 | 200.54 | 167.11 | 143.24 | 125.34 | 111.41 | 100.27 | 91.15 | 83.56 | 71.62 | 62.67 | 55.70 | 50.13 | 45.58 | 41.78 | 38.56 | 35.81 |
| 30Б3 | Оп.реб. | 299.28 | 239.42 | 199.52 | 171.02 | 149.64 | 133.01 | 119.71 | 108.83 | 99.76 | 85.51 | 74.82 | 66.51 | 59.86 | 54.41 | 49.88 | 46.04 | 42.75 |
| 30Б4 | Оп.реб. | 358.86 | 287.09 | 239.24 | 205.07 | 179.43 | 159.50 | 143.55 | 130.50 | 119.62 | 102.53 | 89.72 | 79.75 | 71.77 | 65.25 | 59.81 | 55.21 | 51.27 |
| 35Б1 | Оп.реб. | Оп.реб. | 215.64 | 179.70 | 154.03 | 134.77 | 119.80 | 107.82 | 98.02 | 89.85 | 77.01 | 67.39 | 59.90 | 53.91 | 49.01 | 44.92 | 41.47 | 38.51 |
| 35Б2 | Оп.реб. | Оп.реб. | 243.56 | 202.97 | 173.97 | 152.22 | 135.31 | 121.78 | 110.71 | 101.48 | 86.99 | 76.11 | 67.66 | 60.89 | 55.35 | 50.74 | 46.84 | 43.49 |
| 35Б3 | Оп.реб. | Оп.реб. | 298.00 | 248.33 | 212.86 | 186.25 | 165.55 | 149.00 | 135.45 | 124.17 | 106.43 | 93.12 | 82.78 | 74.50 | 67.73 | 62.08 | 57.31 | 53.21 |
| 35Б4 | Оп.реб. | Оп.реб. | 354.39 | 295.33 | 253.14 | 221.50 | 196.89 | 177.20 | 161.09 | 147.66 | 126.57 | 110.75 | 98.44 | 88.60 | 80.54 | 73.83 | 68.15 | 63.28 |
| 40Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 230.60 | 197.66 | 172.95 | 153.73 | 138.36 | 125.78 | 115.30 | 98.83 | 86.48 | 76.87 | 69.18 | 62.89 | 57.65 | 53.22 | 49.41 |
| 40Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 265.38 | 227.47 | 199.04 | 176.92 | 159.23 | 144.75 | 132.69 | 113.73 | 99.52 | 88.46 | 79.61 | 72.38 | 66.35 | 61.24 | 56.87 |
| 40Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 318.14 | 272.69 | 238.61 | 212.10 | 190.89 | 173.53 | 159.07 | 136.35 | 119.30 | 106.05 | 95.44 | 86.77 | 79.54 | 73.42 | 68.17 |
| 40Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 371.68 | 318.59 | 278.76 | 247.79 | 223.01 | 202.74 | 185.84 | 159.29 | 139.38 | 123.89 | 111.51 | 101.37 | 92.92 | 85.77 | 79.65 |
| 45Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 293.84 | 251.86 | 220.38 | 195.89 | 176.30 | 160.27 | 146.92 | 125.93 | 110.19 | 97.95 | 88.15 | 80.14 | 73.46 | 67.81 | 62.96 |
| 45Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 332.78 | 285.24 | 249.59 | 221.85 | 199.67 | 181.52 | 166.39 | 142.62 | 124.79 | 110.93 | 99.83 | 90.76 | 83.20 | 76.80 | 71.31 |
| 45Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 391.77 | 335.80 | 293.82 | 261.18 | 235.06 | 213.69 | 195.88 | 167.90 | 146.91 | 130.59 | 117.53 | 106.85 | 97.94 | 90.41 | 83.95 |
| 45Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 451.50 | 387.00 | 338.63 | 301.00 | 270.90 | 246.28 | 225.75 | 193.50 | 169.31 | 150.50 | 135.45 | 123.14 | 112.88 | 104.19 | 96.75 |
| 50Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 352.53 | 302.17 | 264.40 | 235.02 | 211.52 | 192.29 | 176.26 | 151.08 | 132.20 | 117.51 | 105.76 | 96.14 | 88.13 | 81.35 | 75.54 |
| 50Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 365.32 | 313.13 | 273.99 | 243.54 | 219.19 | 199.26 | 182.66 | 156.56 | 136.99 | 121.77 | 109.59 | 99.63 | 91.33 | 84.30 | 78.28 |
| 50Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 349.93 | 306.19 | 272.17 | 244.95 | 222.68 | 204.13 | 174.97 | 153.09 | 136.08 | 122.48 | 111.34 | 102.06 | 94.21 | 87.48 |
| 50Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 424.27 | 371.24 | 329.99 | 296.99 | 269.99 | 247.49 | 212.14 | 185.62 | 164.99 | 148.49 | 135.00 | 123.75 | 114.23 | 106.07 |
| 50Б5 | Оп.реб. | Оп.реб. | Оп.реб. | 595.63 | 510.54 | 446.72 | 397.09 | 357.38 | 324.89 | 297.81 | 255.27 | 223.36 | 198.54 | 178.69 | 162.44 | 148.91 | 137.45 | 127.63 |
| 55Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 361.16 | 316.02 | 280.90 | 252.81 | 229.83 | 210.68 | 180.58 | 158.01 | 140.45 | 126.41 | 114.91 | 105.34 | 97.24 | 90.29 |
| 55Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 383.72 | 335.75 | 298.45 | 268.60 | 244.18 | 223.84 | 191.86 | 167.88 | 149.22 | 134.30 | 122.09 | 111.92 | 103.31 | 95.93 |
| 55Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 462.50 | 404.69 | 359.72 | 323.75 | 294.32 | 269.79 | 231.25 | 202.34 | 179.86 | 161.88 | 147.16 | 134.90 | 124.52 | 115.63 |
| 55Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 520.84 | 455.73 | 405.10 | 364.59 | 331.44 | 303.82 | 260.42 | 227.87 | 202.55 | 182.29 | 165.72 | 151.91 | 140.23 | 130.21 |
| 60Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 412.41 | 360.86 | 320.76 | 288.68 | 262.44 | 240.57 | 206.20 | 180.43 | 160.38 | 144.34 | 131.22 | 120.29 | 111.03 | 103.10 |
| 60Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 456.08 | 399.07 | 354.73 | 319.25 | 290.23 | 266.04 | 228.04 | 199.53 | 177.36 | 159.63 | 145.11 | 133.02 | 122.79 | 114.02 |
| 60Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 519.12 | 454.23 | 403.76 | 363.38 | 330.35 | 302.82 | 259.56 | 227.11 | 201.88 | 181.69 | 165.17 | 151.41 | 139.76 | 129.78 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

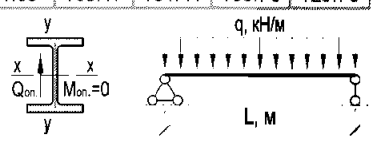


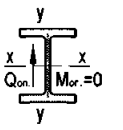
Таблица 6.4.2

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **60Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 600.91 | 525.80 | 467.38 | 420.64 | 382.40 | 350.53 | 300.46 | 262.90 | 233.69 | 210.32 | 191.20 | 175.27 | 161.78 | 150.23 |
| **70Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 573.78 | 502.06 | 446.27 | 401.64 | 365.13 | 334.70 | 286.89 | 251.03 | 223.14 | 200.82 | 182.57 | 167.35 | 154.48 | 143.44 |
| **70Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 550.01 | 488.90 | 440.01 | 400.01 | 366.68 | 314.29 | 275.01 | 244.45 | 220.01 | 200.01 | 183.34 | 169.24 | 157.15 |
| **70Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 590.62 | 524.99 | 472.49 | 429.54 | 393.74 | 337.50 | 295.31 | 262.50 | 236.25 | 214.77 | 196.87 | 181.73 | 168.75 |
| **70Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 696.82 | 619.40 | 557.46 | 506.78 | 464.55 | 398.18 | 348.41 | 309.70 | 278.73 | 253.39 | 232.27 | 214.41 | 199.09 |
| | **Тип Ш - Балочные широкополочные двутавры** | | | | | | | | | | | | | | | | | |
| **20Ш0** | Оп.реб. | 124.64 | 99.71 | 83.09 | 71.22 | 62.32 | 55.39 | 49.85 | 45.32 | 41.55 | 35.61 | 31.16 | 27.70 | 24.93 | 22.66 | 20.77 | 19.17 | 17.81 |
| **20Ш1** | Оп.реб. | 151.68 | 121.34 | 101.12 | 86.67 | 75.84 | 67.41 | 60.67 | 55.16 | 50.56 | 43.34 | 37.92 | 33.71 | 30.34 | 27.58 | 25.28 | 23.33 | 21.67 |
| **20Ш2** | Оп.реб. | 184.65 | 147.72 | 123.10 | 105.51 | 92.32 | 82.07 | 73.86 | 67.15 | 61.55 | 52.76 | 46.16 | 41.03 | 36.93 | 33.57 | 30.77 | 28.41 | 26.38 |
| **20Ш3** | Оп.реб. | 224.72 | 179.78 | 149.81 | 128.41 | 112.36 | 99.88 | 89.89 | 81.72 | 74.91 | 64.21 | 56.18 | 49.94 | 44.94 | 40.86 | 37.45 | 34.57 | 32.10 |
| **20Ш4** | Оп.реб. | 280.30 | 224.24 | 186.87 | 160.17 | 140.15 | 124.58 | 112.12 | 101.93 | 93.43 | 80.09 | 70.08 | 62.29 | 56.06 | 50.96 | 46.72 | 43.12 | 40.04 |
| **20Ш5** | Оп.реб. | 323.75 | 259.00 | 215.84 | 185.00 | 161.88 | 143.89 | 129.50 | 117.73 | 107.92 | 92.50 | 80.94 | 71.95 | 64.75 | 58.86 | 53.96 | 49.81 | 46.25 |
| **20Ш6** | Оп.реб. | 409.28 | 327.43 | 272.86 | 233.88 | 204.64 | 181.90 | 163.71 | 148.83 | 136.43 | 116.94 | 102.32 | 90.95 | 81.86 | 74.42 | 68.21 | 62.97 | 58.47 |
| **25Ш0** | Оп.реб. | Оп.реб. | 150.97 | 125.81 | 107.84 | 94.36 | 83.87 | 75.48 | 68.62 | 62.90 | 53.92 | 47.18 | 41.94 | 37.74 | 34.31 | 31.45 | 29.03 | 26.96 |
| **25Ш1** | Оп.реб. | Оп.реб. | 170.91 | 142.42 | 122.08 | 106.82 | 94.95 | 85.45 | 77.69 | 71.21 | 61.04 | 53.41 | 47.47 | 42.73 | 38.84 | 35.61 | 32.87 | 30.52 |
| **25Ш2** | Оп.реб. | Оп.реб. | 209.84 | 174.87 | 149.89 | 131.15 | 116.58 | 104.92 | 95.38 | 87.43 | 74.94 | 65.57 | 58.29 | 52.46 | 47.69 | 43.72 | 40.35 | 37.47 |
| **25Ш3** | Оп.реб. | Оп.реб. | 263.31 | 219.42 | 188.08 | 164.57 | 146.28 | 131.65 | 119.68 | 109.71 | 94.04 | 82.28 | 73.14 | 65.83 | 59.84 | 54.86 | 50.64 | 47.02 |
| **25Ш4** | Оп.реб. | Оп.реб. | 318.03 | 265.03 | 227.17 | 198.77 | 176.68 | 159.02 | 144.56 | 132.51 | 113.58 | 99.38 | 88.34 | 79.51 | 72.28 | 66.26 | 61.16 | 56.79 |
| **25Ш5** | Оп.реб. | Оп.реб. | 399.91 | 333.25 | 285.65 | 249.94 | 222.17 | 199.95 | 181.78 | 166.63 | 142.82 | 124.97 | 111.08 | 99.98 | 90.89 | 83.31 | 76.90 | 71.41 |
| **25Ш6** | Оп.реб. | Оп.реб. | 487.87 | 406.56 | 348.48 | 304.92 | 271.04 | 243.93 | 221.76 | 203.28 | 174.24 | 152.46 | 135.52 | 121.97 | 110.88 | 101.64 | 93.82 | 87.12 |
| **30Ш0** | Оп.реб. | Оп.реб. | 212.34 | 176.95 | 151.67 | 132.71 | 117.97 | 106.17 | 96.52 | 88.47 | 75.84 | 66.36 | 58.98 | 53.08 | 48.26 | 44.24 | 40.83 | 37.92 |
| **30Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | 195.98 | 167.98 | 146.99 | 130.65 | 117.59 | 106.90 | 97.99 | 83.99 | 73.49 | 65.33 | 58.79 | 53.45 | 49.00 | 45.23 | 42.00 |
| **30Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | 223.98 | 191.98 | 167.99 | 149.32 | 134.39 | 122.17 | 111.99 | 95.99 | 83.99 | 74.66 | 67.19 | 61.09 | 56.00 | 51.69 | 48.00 |
| **30Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | 276.41 | 236.93 | 207.31 | 184.28 | 165.85 | 150.77 | 138.21 | 118.46 | 103.65 | 92.14 | 82.92 | 75.39 | 69.10 | 63.79 | 59.23 |
| **30Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | 318.12 | 272.67 | 238.59 | 212.08 | 190.87 | 173.52 | 159.06 | 136.34 | 119.29 | 106.04 | 95.44 | 86.76 | 79.53 | 73.41 | 68.17 |
| **30Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | 400.46 | 343.25 | 300.34 | 266.97 | 240.27 | 218.43 | 200.23 | 171.62 | 150.17 | 133.49 | 120.14 | 109.22 | 100.11 | 92.41 | 85.81 |
| **30Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | 515.27 | 441.66 | 386.45 | 343.51 | 309.16 | 281.06 | 257.64 | 220.83 | 193.23 | 171.76 | 154.58 | 140.53 | 128.82 | 118.91 | 110.42 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **35Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | 224.50 | 192.43 | 168.38 | 149.67 | 134.70 | 122.46 | 112.25 | 96.21 | 84.19 | 74.83 | 67.35 | 61.23 | 56.13 | 51.81 | 48.11 |
| **35Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 219.79 | 192.32 | 170.95 | 153.85 | 139.87 | 128.21 | 109.90 | 96.16 | 85.47 | 76.93 | 69.93 | 64.11 | 59.17 | 54.95 |
| **35Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 271.80 | 237.82 | 211.40 | 190.26 | 172.96 | 158.55 | 135.90 | 118.91 | 105.70 | 95.13 | 86.48 | 79.27 | 73.18 | 67.95 |
| **35Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 311.37 | 272.45 | 242.17 | 217.96 | 198.14 | 181.63 | 155.68 | 136.22 | 121.09 | 108.98 | 99.07 | 90.82 | 83.83 | 77.84 |
| **35Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 389.32 | 340.65 | 302.80 | 272.52 | 247.75 | 227.10 | 194.66 | 170.33 | 151.40 | 136.26 | 123.87 | 113.55 | 104.82 | 97.33 |
| **35Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 471.56 | 412.62 | 366.77 | 330.09 | 300.09 | 275.08 | 235.78 | 206.31 | 183.39 | 165.05 | 150.04 | 137.54 | 126.96 | 117.89 |
| **35Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 585.53 | 512.34 | 455.41 | 409.87 | 372.61 | 341.56 | 292.77 | 256.17 | 227.71 | 204.94 | 186.31 | 170.78 | 157.64 | 146.38 |
| **40Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 262.15 | 229.38 | 203.90 | 183.51 | 166.82 | 152.92 | 131.08 | 114.69 | 101.95 | 91.75 | 83.41 | 76.46 | 70.58 | 65.54 |
| **40Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 246.05 | 218.71 | 196.84 | 178.95 | 164.03 | 140.60 | 123.03 | 109.36 | 98.42 | 89.47 | 82.02 | 75.71 | 70.30 |
| **40Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 298.23 | 265.09 | 238.58 | 216.89 | 198.82 | 170.42 | 149.11 | 132.55 | 119.29 | 108.45 | 99.41 | 91.76 | 85.21 |
| **40Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 349.77 | 310.91 | 279.82 | 254.38 | 233.18 | 199.87 | 174.89 | 155.46 | 139.91 | 127.19 | 116.59 | 107.62 | 99.94 |
| **40Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 429.76 | 382.01 | 343.81 | 312.55 | 286.51 | 245.58 | 214.88 | 191.01 | 171.91 | 156.28 | 143.25 | 132.23 | 122.79 |
| **40Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 523.90 | 465.69 | 419.12 | 381.02 | 349.27 | 299.37 | 261.95 | 232.84 | 209.56 | 190.51 | 174.63 | 161.20 | 149.69 |
| **40Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 637.60 | 566.76 | 510.08 | 463.71 | 425.07 | 364.34 | 318.80 | 283.38 | 255.04 | 231.85 | 212.53 | 196.18 | 182.17 |
| **45Ш0** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 273.17 | 242.82 | 218.54 | 198.67 | 182.12 | 156.10 | 136.59 | 121.41 | 109.27 | 99.34 | 91.06 | 84.05 | 78.05 |
| **45Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 270.15 | 243.13 | 221.03 | 202.61 | 173.67 | 151.96 | 135.07 | 121.57 | 110.52 | 101.31 | 93.51 | 86.83 |
| **45Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 346.42 | 307.92 | 277.13 | 251.94 | 230.94 | 197.95 | 173.21 | 153.96 | 138.57 | 125.97 | 115.47 | 106.59 | 98.98 |
| **45Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 402.35 | 357.64 | 321.88 | 292.62 | 268.23 | 229.91 | 201.17 | 178.82 | 160.94 | 146.31 | 134.12 | 123.80 | 114.96 |
| **45Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 490.78 | 436.25 | 392.63 | 356.93 | 327.19 | 280.45 | 245.39 | 218.13 | 196.31 | 178.47 | 163.59 | 151.01 | 140.22 |
| **45Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 516.84 | 465.16 | 422.87 | 387.63 | 332.26 | 290.72 | 258.42 | 232.58 | 211.44 | 193.82 | 178.91 | 166.13 |
| **45Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 627.59 | 564.83 | 513.48 | 470.69 | 403.45 | 353.02 | 313.79 | 282.41 | 256.74 | 235.35 | 217.24 | 201.72 |
| **50Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 331.17 | 294.37 | 264.94 | 240.85 | 220.78 | 189.24 | 165.59 | 147.19 | 132.47 | 120.43 | 110.39 | 101.90 | 94.62 |
| **50Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 497.32 | 435.15 | 386.80 | 348.12 | 316.48 | 290.10 | 248.66 | 217.58 | 193.40 | 174.06 | 158.24 | 145.05 | 133.89 | 124.33 |
| **50Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 515.43 | 451.00 | 400.89 | 360.80 | 328.00 | 300.67 | 257.72 | 225.50 | 200.45 | 180.40 | 164.00 | 150.33 | 138.77 | 128.86 |
| **50Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 485.14 | 431.23 | 388.11 | 352.83 | 323.43 | 277.22 | 242.57 | 215.62 | 194.06 | 176.41 | 161.71 | 149.27 | 138.61 |
| **50Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 565.00 | 502.22 | 452.00 | 410.91 | 376.67 | 322.86 | 282.50 | 251.11 | 226.00 | 205.46 | 188.33 | 173.85 | 161.43 |
| **50Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 662.48 | 588.87 | 529.99 | 481.81 | 441.65 | 378.56 | 331.24 | 294.44 | 264.99 | 240.90 | 220.83 | 203.84 | 189.28 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



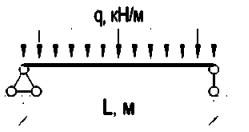



Таблица 6.4.2

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **50Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 795.44 | 707.06 | 636.35 | 578.50 | 530.29 | 454.54 | 397.72 | 353.53 | 318.18 | 289.25 | 265.15 | 244.75 | 227.27 |
| **50Ш8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 935.13 | 831.23 | 748.10 | 680.09 | 623.42 | 534.36 | 467.56 | 415.61 | 374.05 | 340.05 | 311.71 | 287.73 | 267.18 |
| **60Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 432.97 | 384.86 | 346.37 | 314.88 | 288.64 | 247.41 | 216.48 | 192.43 | 173.19 | 157.44 | 144.32 | 133.22 | 123.70 |
| **60Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 552.20 | 490.85 | 441.76 | 401.60 | 368.14 | 315.54 | 276.10 | 245.42 | 220.88 | 200.80 | 184.07 | 169.91 | 157.77 |
| **60Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 627.70 | 557.96 | 502.16 | 456.51 | 418.47 | 358.69 | 313.85 | 278.98 | 251.08 | 228.25 | 209.23 | 193.14 | 179.34 |
| **60Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 704.05 | 625.82 | 563.24 | 512.04 | 469.37 | 402.32 | 352.03 | 312.91 | 281.62 | 256.02 | 234.68 | 216.63 | 201.16 |
| **60Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 819.18 | 728.16 | 655.35 | 595.77 | 546.12 | 468.10 | 409.59 | 364.08 | 327.67 | 297.88 | 273.06 | 252.06 | 234.05 |
| **60Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 977.10 | 868.53 | 781.68 | 710.62 | 651.40 | 558.34 | 488.55 | 434.27 | 390.84 | 355.31 | 325.70 | 300.65 | 279.17 |
| **60Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1136.61 | 1010.32 | 909.29 | 826.62 | 757.74 | 649.49 | 568.30 | 505.16 | 454.64 | 413.31 | 378.87 | 349.73 | 324.74 |
| **60Ш8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1196.17 | 1076.55 | 978.69 | 897.13 | 768.97 | 672.85 | 598.09 | 538.28 | 489.34 | 448.56 | 414.06 | 384.48 |
| **70Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 492.74 | 443.46 | 403.15 | 369.55 | 316.76 | 277.16 | 246.37 | 221.73 | 201.57 | 184.78 | 170.56 | 158.38 |
| **70Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 546.73 | 492.06 | 447.33 | 410.05 | 351.47 | 307.54 | 273.37 | 246.03 | 223.66 | 205.03 | 189.25 | 175.74 |
| **70Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 659.64 | 593.67 | 539.70 | 494.73 | 424.05 | 371.05 | 329.82 | 296.84 | 269.85 | 247.36 | 228.34 | 212.03 |
| **70Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 755.45 | 679.90 | 618.09 | 566.59 | 485.64 | 424.94 | 377.72 | 339.95 | 309.05 | 283.29 | 261.50 | 242.82 |
| **70Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 855.15 | 769.64 | 699.67 | 641.36 | 549.74 | 481.02 | 427.58 | 384.82 | 349.84 | 320.68 | 296.01 | 274.87 |
| **70Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1019.00 | 917.10 | 833.73 | 764.25 | 655.07 | 573.19 | 509.50 | 458.55 | 416.86 | 382.13 | 352.73 | 327.54 |
| **70Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1224.38 | 1101.95 | 1001.77 | 918.29 | 787.10 | 688.72 | 612.19 | 550.97 | 500.88 | 459.14 | 423.83 | 393.55 |
| **70Ш8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1413.91 | 1272.52 | 1156.84 | 1060.43 | 908.94 | 795.33 | 706.96 | 636.26 | 578.42 | 530.22 | 489.43 | 454.47 |
| | **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | |
| **15К1** | Оп.реб. | 114.74 | 91.79 | 76.50 | 65.57 | 57.37 | 51.00 | 45.90 | 41.72 | 38.25 | 32.78 | 28.69 | 25.50 | 22.95 | 20.86 | 19.12 | 17.65 | 16.39 |
| **15К2** | Оп.реб. | 135.40 | 108.32 | 90.27 | 77.37 | 67.70 | 60.18 | 54.16 | 49.24 | 45.13 | 38.69 | 33.85 | 30.09 | 27.08 | 24.62 | 22.57 | 20.83 | 19.34 |
| **15К3** | Оп.реб. | 160.93 | 128.75 | 107.29 | 91.96 | 80.47 | 71.53 | 64.37 | 58.52 | 53.64 | 45.98 | 40.23 | 35.76 | 32.19 | 29.26 | 26.82 | 24.76 | 22.99 |
| **15К4** | Оп.реб. | 192.96 | 154.36 | 128.64 | 110.26 | 96.48 | 85.76 | 77.18 | 70.17 | 64.32 | 55.13 | 48.24 | 42.88 | 38.59 | 35.08 | 32.16 | 29.69 | 27.57 |
| **15К5** | Оп.реб. | 236.59 | 189.27 | 157.72 | 135.19 | 118.29 | 105.15 | 94.63 | 86.03 | 78.86 | 67.60 | 59.15 | 52.57 | 47.32 | 43.02 | 39.43 | 36.40 | 33.80 |
| **20К1** | Оп.реб. | Оп.реб. | 134.00 | 111.67 | 95.72 | 83.75 | 74.45 | 67.00 | 60.91 | 55.83 | 47.86 | 41.88 | 37.22 | 33.50 | 30.45 | 27.92 | 25.77 | 23.93 |
| **20К2** | Оп.реб. | Оп.реб. | 159.89 | 133.24 | 114.21 | 99.93 | 88.83 | 79.94 | 72.68 | 66.62 | 57.10 | 49.97 | 44.41 | 39.97 | 36.34 | 33.31 | 30.75 | 28.55 |
| **20К3** | Оп.реб. | Оп.реб. | 182.10 | 151.75 | 130.07 | 113.81 | 101.17 | 91.05 | 82.77 | 75.87 | 65.04 | 56.91 | 50.58 | 45.52 | 41.39 | 37.94 | 35.02 | 32.52 |

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **20К4** | Оп.реб. | Оп.реб. | 216.19 | 180.16 | 154.42 | 135.12 | 120.11 | 108.10 | 98.27 | 90.08 | 77.21 | 67.56 | 60.05 | 54.05 | 49.14 | 45.04 | 41.58 | 38.61 |
| **20К5** | Оп.реб. | Оп.реб. | 249.53 | 207.94 | 178.24 | 155.96 | 138.63 | 124.77 | 113.42 | 103.97 | 89.12 | 77.98 | 69.31 | 62.38 | 56.71 | 51.99 | 47.99 | 44.56 |
| **20К6** | Оп.реб. | Оп.реб. | 283.33 | 236.11 | 202.38 | 177.08 | 157.40 | 141.66 | 128.79 | 118.05 | 101.19 | 88.54 | 78.70 | 70.83 | 64.39 | 59.03 | 54.49 | 50.59 |
| **20К7** | Оп.реб. | Оп.реб. | 328.91 | 274.09 | 234.93 | 205.57 | 182.73 | 164.45 | 149.50 | 137.04 | 117.47 | 102.78 | 91.36 | 82.23 | 74.75 | 68.52 | 63.25 | 58.73 |
| **20К8** | Оп.реб. | Оп.реб. | 378.24 | 315.20 | 270.17 | 236.40 | 210.14 | 189.12 | 171.93 | 157.60 | 135.09 | 118.20 | 105.07 | 94.56 | 85.96 | 78.80 | 72.74 | 67.54 |
| **25К1** | Оп.реб. | Оп.реб. | Оп.реб. | 165.79 | 142.10 | 124.34 | 110.52 | 99.47 | 90.43 | 82.89 | 71.05 | 62.17 | 55.26 | 49.74 | 45.21 | 41.45 | 38.26 | 35.53 |
| **25К2** | Оп.реб. | Оп.реб. | Оп.реб. | 188.39 | 161.48 | 141.29 | 125.59 | 113.03 | 102.76 | 94.19 | 80.74 | 70.65 | 62.80 | 56.52 | 51.38 | 47.10 | 43.47 | 40.37 |
| **25К3** | Оп.реб. | Оп.реб. | Оп.реб. | 210.65 | 180.56 | 157.99 | 140.43 | 126.39 | 114.90 | 105.33 | 90.28 | 78.99 | 70.22 | 63.20 | 57.45 | 52.66 | 48.61 | 45.14 |
| **25К4** | Оп.реб. | Оп.реб. | Оп.реб. | 233.96 | 200.53 | 175.47 | 155.97 | 140.37 | 127.61 | 116.98 | 100.27 | 87.73 | 77.99 | 70.19 | 63.81 | 58.49 | 53.99 | 50.13 |
| **25К5** | Оп.реб. | Оп.реб. | Оп.реб. | 268.77 | 230.38 | 201.58 | 179.18 | 161.26 | 146.60 | 134.39 | 115.19 | 100.79 | 89.59 | 80.63 | 73.30 | 67.19 | 62.02 | 57.59 |
| **25К6** | Оп.реб. | Оп.реб. | Оп.реб. | 291.57 | 249.92 | 218.68 | 194.38 | 174.94 | 159.04 | 145.79 | 124.96 | 109.34 | 97.19 | 87.47 | 79.52 | 72.89 | 67.29 | 62.48 |
| **25К7** | Оп.реб. | Оп.реб. | Оп.реб. | 338.56 | 290.19 | 253.92 | 225.70 | 203.13 | 184.67 | 169.28 | 145.10 | 126.96 | 112.85 | 101.57 | 92.33 | 84.64 | 78.13 | 72.55 |
| **25К8** | Оп.реб. | Оп.реб. | Оп.реб. | 386.64 | 331.41 | 289.98 | 257.76 | 231.99 | 210.90 | 193.32 | 165.70 | 144.99 | 128.88 | 115.99 | 105.45 | 96.66 | 89.23 | 82.85 |
| **25К9** | Оп.реб. | Оп.реб. | Оп.реб. | 436.05 | 373.76 | 327.04 | 290.70 | 261.63 | 237.85 | 218.03 | 186.88 | 163.52 | 145.35 | 130.82 | 118.92 | 109.01 | 100.63 | 93.44 |
| **25К10** | Оп.реб. | Оп.реб. | Оп.реб. | 511.95 | 438.82 | 383.96 | 341.30 | 307.17 | 279.25 | 255.98 | 219.41 | 191.98 | 170.65 | 153.59 | 139.62 | 127.99 | 118.14 | 109.70 |
| **30К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 169.97 | 151.08 | 135.98 | 123.61 | 113.31 | 97.13 | 84.99 | 75.54 | 67.99 | 61.81 | 56.66 | 52.30 | 48.56 |
| **30К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 216.29 | 189.26 | 168.23 | 151.41 | 137.64 | 126.17 | 108.15 | 94.63 | 84.11 | 75.70 | 68.82 | 63.09 | 58.23 | 54.07 |
| **30К3** | Оп.реб. | Оп.реб. | 445.84 | 371.54 | 318.46 | 278.65 | 247.69 | 222.92 | 202.66 | 185.77 | 159.23 | 139.33 | 123.85 | 111.46 | 101.33 | 92.88 | 85.74 | 79.61 |
| **30К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 209.91 | 186.59 | 167.93 | 152.66 | 139.94 | 119.95 | 104.96 | 93.29 | 83.97 | 76.33 | 69.97 | 64.59 | 59.98 |
| **30К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 230.81 | 205.16 | 184.65 | 167.86 | 153.87 | 131.89 | 115.41 | 102.58 | 92.32 | 83.93 | 76.94 | 71.02 | 65.95 |
| **30К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 241.51 | 214.68 | 193.21 | 175.65 | 161.01 | 138.01 | 120.76 | 107.34 | 96.61 | 87.82 | 80.50 | 74.31 | 69.00 |
| **30К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 271.05 | 240.94 | 216.84 | 197.13 | 180.70 | 154.89 | 135.53 | 120.47 | 108.42 | 98.56 | 90.35 | 83.40 | 77.44 |
| **30К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 242.51 | 218.26 | 198.41 | 181.88 | 155.90 | 136.41 | 121.25 | 109.13 | 99.21 | 90.94 | 83.94 | 77.95 |
| **30К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 270.65 | 243.59 | 221.44 | 202.99 | 173.99 | 152.24 | 135.33 | 121.79 | 110.72 | 101.49 | 93.69 | 86.99 |
| **30К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 307.60 | 276.84 | 251.67 | 230.70 | 197.74 | 173.02 | 153.80 | 138.42 | 125.83 | 115.35 | 106.48 | 98.87 |
| **30К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 345.27 | 310.75 | 282.50 | 258.95 | 221.96 | 194.22 | 172.64 | 155.37 | 141.25 | 129.48 | 119.52 | 110.98 |
| **30К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 384.54 | 346.09 | 314.62 | 288.41 | 247.20 | 216.30 | 192.27 | 173.04 | 157.31 | 144.20 | 133.11 | 123.60 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

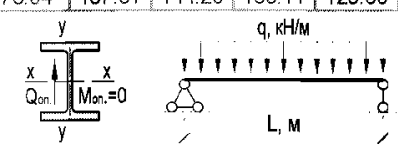


Таблица 6.4.2

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 426.52 | 383.87 | 348.97 | 319.89 | 274.19 | 239.92 | 213.26 | 191.93 | 174.49 | 159.95 | 147.64 | 137.10 |
| 30К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 544.94 | 484.39 | 435.95 | 396.32 | 363.29 | 311.39 | 272.47 | 242.19 | 217.98 | 198.16 | 181.65 | 167.67 | 155.70 |
| 30К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 613.40 | 545.25 | 490.72 | 446.11 | 408.93 | 350.52 | 306.70 | 272.62 | 245.36 | 223.06 | 204.47 | 188.74 | 175.26 |
| 30К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 686.34 | 610.08 | 549.07 | 499.16 | 457.56 | 392.19 | 343.17 | 305.04 | 274.54 | 249.58 | 228.78 | 211.18 | 196.10 |
| 30К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 761.47 | 676.86 | 609.17 | 553.79 | 507.64 | 435.12 | 380.73 | 338.43 | 304.59 | 276.90 | 253.82 | 234.30 | 217.56 |
| 30К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 805.44 | 715.95 | 644.35 | 585.78 | 536.96 | 460.25 | 402.72 | 357.97 | 322.18 | 292.89 | 268.48 | 247.83 | 230.13 |
| 30К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 906.21 | 805.52 | 724.97 | 659.06 | 604.14 | 517.83 | 453.11 | 402.76 | 362.48 | 329.53 | 302.07 | 278.83 | 258.92 |
| 30К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1013.51 | 900.90 | 810.81 | 737.10 | 675.67 | 579.15 | 506.75 | 450.45 | 405.40 | 368.55 | 337.84 | 311.85 | 289.57 |
| 30К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1101.91 | 979.48 | 881.53 | 801.39 | 734.61 | 629.66 | 550.96 | 489.74 | 440.76 | 400.70 | 367.30 | 339.05 | 314.83 |
| 35К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 193.09 | 173.79 | 157.99 | 144.82 | 124.13 | 108.62 | 96.55 | 86.89 | 78.99 | 72.41 | 66.84 | 62.07 |
| 35К1.5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 213.96 | 192.57 | 175.06 | 160.47 | 137.55 | 120.35 | 106.98 | 96.28 | 87.53 | 80.24 | 74.06 | 68.77 |
| 35К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 235.07 | 211.56 | 192.33 | 176.30 | 151.12 | 132.23 | 117.53 | 105.78 | 96.16 | 88.15 | 81.37 | 75.56 |
| 35К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 255.43 | 229.89 | 208.99 | 191.57 | 164.20 | 143.68 | 127.71 | 114.94 | 104.49 | 95.79 | 88.42 | 82.10 |
| 35К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 286.03 | 257.43 | 234.02 | 214.52 | 183.88 | 160.89 | 143.01 | 128.71 | 117.01 | 107.26 | 99.01 | 91.94 |
| 35К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 317.08 | 285.37 | 259.43 | 237.81 | 203.84 | 178.36 | 158.54 | 142.69 | 129.71 | 118.90 | 109.76 | 101.92 |
| 35К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 348.06 | 313.25 | 284.77 | 261.04 | 223.75 | 195.78 | 174.03 | 156.63 | 142.39 | 130.52 | 120.48 | 111.88 |
| 35К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 390.99 | 351.89 | 319.90 | 293.24 | 251.35 | 219.93 | 195.50 | 175.95 | 159.95 | 146.62 | 135.34 | 125.68 |
| 35К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 433.89 | 390.50 | 355.00 | 325.42 | 278.93 | 244.06 | 216.95 | 195.25 | 177.50 | 162.71 | 150.19 | 139.47 |
| 35К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 478.48 | 430.64 | 391.49 | 358.86 | 307.60 | 269.15 | 239.24 | 215.32 | 195.74 | 179.43 | 165.63 | 153.80 |
| 35К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 533.61 | 480.25 | 436.59 | 400.20 | 343.03 | 300.15 | 266.80 | 240.12 | 218.29 | 200.10 | 184.71 | 171.52 |
| 35К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 591.53 | 532.38 | 483.98 | 443.65 | 380.27 | 332.74 | 295.77 | 266.19 | 241.99 | 221.82 | 204.76 | 190.13 |
| 35К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 662.53 | 596.27 | 542.07 | 496.89 | 425.91 | 372.67 | 331.26 | 298.14 | 271.03 | 248.45 | 229.34 | 212.95 |
| 35К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 735.43 | 661.88 | 601.71 | 551.57 | 472.77 | 413.68 | 367.71 | 330.94 | 300.86 | 275.79 | 254.57 | 236.39 |
| 35К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 871.90 | 775.02 | 697.52 | 634.11 | 581.27 | 498.23 | 435.95 | 387.51 | 348.76 | 317.05 | 290.63 | 268.28 | 249.11 |
| 35К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 980.21 | 871.30 | 784.17 | 712.88 | 653.47 | 560.12 | 490.11 | 435.65 | 392.08 | 356.44 | 326.74 | 301.60 | 280.06 |
| 35К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1093.40 | 971.92 | 874.72 | 795.20 | 728.94 | 624.80 | 546.70 | 485.96 | 437.36 | 397.60 | 364.47 | 336.43 | 312.40 |
| 35К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1212.59 | 1077.86 | 970.08 | 881.89 | 808.40 | 692.91 | 606.30 | 538.93 | 485.04 | 440.94 | 404.20 | 373.11 | 346.46 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 35К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1301.93 | 1157.27 | 1041.54 | 946.86 | 867.95 | 743.96 | 650.96 | 578.64 | 520.77 | 473.43 | 433.98 | 400.59 | 371.98 |
| 35К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1456.46 | 1294.63 | 1165.17 | 1059.24 | 970.97 | 832.26 | 728.23 | 647.32 | 582.58 | 529.62 | 485.49 | 448.14 | 416.13 |
| 35К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1494.59 | 1328.53 | 1195.67 | 1086.98 | 996.39 | 854.05 | 747.30 | 664.26 | 597.84 | 543.49 | 498.20 | 459.87 | 427.03 |
| 35К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1677.15 | 1490.80 | 1341.72 | 1219.75 | 1118.10 | 958.37 | 838.58 | 745.40 | 670.86 | 609.87 | 559.05 | 516.05 | 479.19 |
| 35К22 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1873.12 | 1664.99 | 1498.50 | 1362.27 | 1248.75 | 1070.35 | 936.56 | 832.50 | 749.25 | 681.13 | 624.37 | 576.34 | 535.18 |
| 35К23 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2092.34 | 1859.86 | 1673.87 | 1521.70 | 1394.89 | 1195.62 | 1046.17 | 929.93 | 836.93 | 760.85 | 697.45 | 643.80 | 597.81 |
| 35К24 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2362.39 | 2099.91 | 1889.92 | 1718.11 | 1574.93 | 1349.94 | 1181.20 | 1049.95 | 944.96 | 859.05 | 787.46 | 726.89 | 674.97 |
| 40К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 220.55 | 200.50 | 183.79 | 157.53 | 137.84 | 122.53 | 110.27 | 100.25 | 91.89 | 84.83 | 78.77 |
| 40К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 251.68 | 228.80 | 209.73 | 179.77 | 157.30 | 139.82 | 125.84 | 114.40 | 104.87 | 96.80 | 89.89 |
| 40К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 311.36 | 283.06 | 259.47 | 222.40 | 194.60 | 172.98 | 155.68 | 141.53 | 129.73 | 119.76 | 111.20 |
| 40К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 354.55 | 322.32 | 295.46 | 253.25 | 221.60 | 196.97 | 177.28 | 161.16 | 147.73 | 136.37 | 126.63 |
| 40К4.5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 396.90 | 360.82 | 330.75 | 283.50 | 248.06 | 220.50 | 198.45 | 180.41 | 165.37 | 152.65 | 141.75 |
| 40К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 512.85 | 461.56 | 419.60 | 384.63 | 329.69 | 288.48 | 256.42 | 230.78 | 209.80 | 192.32 | 177.52 | 164.84 |
| 40К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 562.90 | 506.61 | 460.55 | 422.17 | 361.86 | 316.63 | 281.45 | 253.30 | 230.28 | 211.09 | 194.85 | 180.93 |
| 40К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 638.80 | 574.92 | 522.65 | 479.10 | 410.66 | 359.32 | 319.40 | 287.46 | 261.33 | 239.55 | 221.12 | 205.33 |
| 40К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 716.54 | 644.89 | 586.26 | 537.41 | 460.63 | 403.05 | 358.27 | 322.44 | 293.13 | 268.70 | 248.03 | 230.32 |
| 40К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 821.24 | 739.12 | 671.92 | 615.93 | 527.94 | 461.95 | 410.62 | 369.56 | 335.96 | 307.96 | 284.28 | 263.97 |
| 40К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 891.41 | 802.27 | 729.34 | 668.56 | 573.05 | 501.42 | 445.71 | 401.14 | 364.67 | 334.28 | 308.57 | 286.53 |
| 40К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 996.44 | 896.80 | 815.27 | 747.33 | 640.57 | 560.50 | 498.22 | 448.40 | 407.63 | 373.66 | 344.92 | 320.28 |
| 40К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1134.88 | 1021.39 | 928.53 | 851.16 | 729.56 | 638.37 | 567.44 | 510.69 | 464.27 | 425.58 | 392.84 | 364.78 |
| 40К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1223.80 | 1101.42 | 1001.29 | 917.85 | 786.73 | 688.39 | 611.90 | 550.71 | 500.65 | 458.92 | 423.62 | 393.36 |
| 40К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1396.31 | 1256.68 | 1142.44 | 1047.23 | 897.63 | 785.43 | 698.16 | 628.34 | 571.22 | 523.62 | 483.34 | 448.81 |
| 40К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1457.61 | 1311.85 | 1192.59 | 1093.21 | 937.03 | 819.90 | 728.80 | 655.92 | 596.29 | 546.60 | 504.56 | 468.52 |
| 40К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1662.14 | 1495.92 | 1359.93 | 1246.60 | 1068.52 | 934.95 | 831.07 | 747.96 | 679.96 | 623.30 | 575.35 | 534.26 |
| 40К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1909.21 | 1718.29 | 1562.08 | 1431.91 | 1227.35 | 1073.93 | 954.60 | 859.14 | 781.04 | 715.95 | 660.88 | 613.67 |
| 40К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2132.52 | 1919.27 | 1744.79 | 1599.39 | 1370.91 | 1199.54 | 1066.26 | 959.63 | 872.39 | 799.69 | 738.18 | 685.45 |
| 40К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2435.15 | 2191.64 | 1992.40 | 1826.37 | 1565.46 | 1369.77 | 1217.58 | 1095.82 | 996.20 | 913.18 | 842.94 | 782.73 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

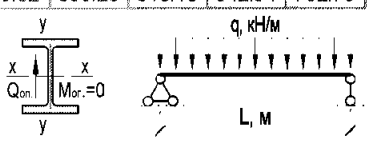


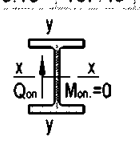
Таблица 6.4.2

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | | |
| **13С1** | 192.85 | 144.64 | 115.71 | 96.43 | 82.65 | 72.32 | 64.28 | 57.86 | 52.60 | 48.21 | 41.33 | 36.16 | 32.14 | 28.93 | 26.30 | 24.11 | 22.25 | 20.66 |
| **20С1** | Оп.реб. | 294.34 | 235.47 | 196.23 | 168.19 | 147.17 | 130.82 | 117.74 | 107.03 | 98.11 | 84.10 | 73.58 | 65.41 | 58.87 | 53.52 | 49.06 | 45.28 | 42.05 |
| **25С1** | Оп.реб. | Оп.реб. | 267.41 | 222.84 | 191.01 | 167.13 | 148.56 | 133.70 | 121.55 | 111.42 | 95.50 | 83.57 | 74.28 | 66.85 | 60.77 | 55.71 | 51.42 | 47.75 |
| **25С2** | Оп.реб. | Оп.реб. | 344.76 | 287.30 | 246.25 | 215.47 | 191.53 | 172.38 | 156.71 | 143.65 | 123.13 | 107.74 | 95.77 | 86.19 | 78.35 | 71.82 | 66.30 | 61.56 |
| **30С1** | Оп.реб. | Оп.реб. | 352.92 | 294.10 | 252.09 | 220.58 | 196.07 | 176.46 | 160.42 | 147.05 | 126.04 | 110.29 | 98.03 | 88.23 | 80.21 | 73.53 | 67.87 | 63.02 |
| **30С2** | Оп.реб. | Оп.реб. | 445.84 | 371.54 | 318.46 | 278.65 | 247.69 | 222.92 | 202.66 | 185.77 | 159.23 | 139.33 | 123.85 | 111.46 | 101.33 | 92.88 | 85.74 | 79.61 |
| **32С1** | Оп.реб. | Оп.реб. | 748.77 | 623.98 | 534.84 | 467.98 | 415.98 | 374.39 | 340.35 | 311.99 | 267.42 | 233.99 | 207.99 | 187.19 | 170.18 | 155.99 | 143.99 | 133.71 |
| **32С2** | Оп.реб. | Оп.реб. | 932.95 | 777.46 | 666.39 | 583.09 | 518.30 | 466.47 | 424.07 | 388.73 | 333.20 | 291.55 | 259.15 | 233.24 | 212.03 | 194.36 | 179.41 | 166.60 |
| **35С1** | Оп.реб. | Оп.реб. | Оп.реб. | 367.39 | 314.90 | 275.54 | 244.93 | 220.43 | 200.39 | 183.69 | 157.45 | 137.77 | 122.46 | 110.22 | 100.20 | 91.85 | 84.78 | 78.73 |
| **35С2** | Оп.реб. | Оп.реб. | Оп.реб. | 456.32 | 391.13 | 342.24 | 304.21 | 273.79 | 248.90 | 228.16 | 195.57 | 171.12 | 152.11 | 136.90 | 124.45 | 114.08 | 105.30 | 97.78 |
| **35С3** | Оп.реб. | Оп.реб. | Оп.реб. | 546.88 | 468.76 | 410.16 | 364.59 | 328.13 | 298.30 | 273.44 | 234.38 | 205.08 | 182.29 | 164.06 | 149.15 | 136.72 | 126.20 | 117.19 |
| **40С1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 416.98 | 364.86 | 324.32 | 291.89 | 265.35 | 243.24 | 208.49 | 182.43 | 162.16 | 145.94 | 132.68 | 121.62 | 112.27 | 104.25 |
| **40С2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 504.38 | 441.34 | 392.30 | 353.07 | 320.97 | 294.22 | 252.19 | 220.67 | 196.15 | 176.53 | 160.49 | 147.11 | 135.80 | 126.10 |
| **40С3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 568.46 | 497.40 | 442.14 | 397.92 | 361.75 | 331.60 | 284.23 | 248.70 | 221.07 | 198.96 | 180.87 | 165.80 | 153.05 | 142.11 |
| **Тип ДБ - Дополнительные балочные двутавры** | | | | | | | | | | | | | | | | | | |
| **20ДБ1** | Оп.реб. | 155.58 | 124.47 | 103.72 | 88.91 | 77.79 | 69.15 | 62.23 | 56.58 | 51.86 | 44.45 | 38.90 | 34.57 | 31.12 | 28.29 | 25.93 | 23.94 | 22.23 |
| **20ДБ2** | Оп.реб. | 166.74 | 133.39 | 111.16 | 95.28 | 83.37 | 74.11 | 66.70 | 60.63 | 55.58 | 47.64 | 41.68 | 37.05 | 33.35 | 30.32 | 27.79 | 25.65 | 23.82 |
| **25ДБ1** | Оп.реб. | 195.06 | 156.05 | 130.04 | 111.46 | 97.53 | 86.69 | 78.02 | 70.93 | 65.02 | 55.73 | 48.77 | 43.35 | 39.01 | 35.47 | 32.51 | 30.01 | 27.87 |
| **25ДБ2** | Оп.реб. | Оп.реб. | 160.75 | 133.95 | 114.82 | 100.47 | 89.30 | 80.37 | 73.07 | 66.98 | 57.41 | 50.23 | 44.65 | 40.19 | 36.53 | 33.49 | 30.91 | 28.70 |
| **25ДБ3** | Оп.реб. | Оп.реб. | 185.55 | 154.63 | 132.54 | 115.97 | 103.08 | 92.78 | 84.34 | 77.31 | 66.27 | 57.98 | 51.54 | 46.39 | 42.17 | 38.66 | 35.68 | 33.13 |
| **25ДБ4** | Оп.реб. | 203.80 | 163.04 | 135.87 | 116.46 | 101.90 | 90.58 | 81.52 | 74.11 | 67.93 | 58.23 | 50.95 | 45.29 | 40.76 | 37.05 | 33.97 | 31.35 | 29.11 |
| **25ДБ5** | Оп.реб. | Оп.реб. | 171.96 | 143.30 | 122.83 | 107.48 | 95.53 | 85.98 | 78.16 | 71.65 | 61.41 | 53.74 | 47.77 | 42.99 | 39.08 | 35.83 | 33.07 | 30.71 |
| **25ДБ6** | Оп.реб. | Оп.реб. | 199.83 | 166.53 | 142.74 | 124.90 | 111.02 | 99.92 | 90.83 | 83.26 | 71.37 | 62.45 | 55.51 | 49.96 | 45.42 | 41.63 | 38.43 | 35.68 |
| **30ДБ1** | Оп.реб. | 232.12 | 185.70 | 154.75 | 132.64 | 116.06 | 103.17 | 92.85 | 84.41 | 77.37 | 66.32 | 58.03 | 51.58 | 46.42 | 42.20 | 38.69 | 35.71 | 33.16 |
| **30ДБ2** | Оп.реб. | 248.59 | 198.87 | 165.72 | 142.05 | 124.29 | 110.48 | 99.43 | 90.40 | 82.86 | 71.02 | 62.15 | 55.24 | 49.72 | 45.20 | 41.43 | 38.24 | 35.51 |
| **30ДБ3** | Оп.реб. | Оп.реб. | 187.63 | 156.36 | 134.02 | 117.27 | 104.24 | 93.81 | 85.28 | 78.18 | 67.01 | 58.63 | 52.12 | 46.91 | 42.64 | 39.09 | 36.08 | 33.50 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **30ДБ4** | Оп.реб. | Оп.реб. | 206.16 | 171.80 | 147.26 | 128.85 | 114.53 | 103.08 | 93.71 | 85.90 | 73.63 | 64.42 | 57.27 | 51.54 | 46.85 | 42.95 | 39.65 | 36.81 |
| **30ДБ5** | Оп.реб. | Оп.реб. | 239.28 | 199.40 | 170.91 | 149.55 | 132.93 | 119.64 | 108.76 | 99.70 | 85.46 | 74.77 | 66.47 | 59.82 | 54.38 | 49.85 | 46.02 | 42.73 |
| **30ДБ6** | Оп.реб. | Оп.реб. | 182.13 | 151.77 | 130.09 | 113.83 | 101.18 | 91.06 | 82.78 | 75.89 | 65.04 | 56.91 | 50.59 | 45 53 | 41.39 | 37.94 | 35.02 | 32.52 |
| **30ДБ7** | Оп.реб. | Оп.реб. | 205.43 | 171.19 | 146.73 | 128.39 | 114.13 | 102.71 | 93.38 | 85.59 | 73.37 | 64.20 | 57.06 | 51.36 | 46.69 | 42.80 | 39.50 | 36.68 |
| **30ДБ8** | Оп.реб. | Оп.реб. | 242.93 | 202.44 | 173.52 | 151.83 | 134.96 | 121.46 | 110.42 | 101.22 | 86.76 | 75.92 | 67.48 | 60.73 | 55.21 | 50 61 | 46.72 | 43.38 |
| **35ДБ1** | Оп.реб. | 256.55 | 205.24 | 171.03 | 146.60 | 128.28 | 114.02 | 102.62 | 93.29 | 85.52 | 73.30 | 64.14 | 57.01 | 51.31 | 46.65 | 42.76 | 39.47 | 36.65 |
| **35ДБ2** | Оп.реб. | 279.88 | 223.90 | 186.59 | 159.93 | 139.94 | 124.39 | 111.95 | 101.77 | 93.29 | 79.97 | 69.97 | 62.20 | 55.98 | 50 89 | 46.65 | 43.06 | 39.98 |
| **35ДБ3** | Оп.реб. | Оп.реб. | 250.11 | 208.42 | 178.65 | 156.32 | 138.95 | 125.05 | 113.69 | 104.21 | 89.32 | 78.16 | 69.47 | 62.53 | 56.84 | 52.11 | 48.10 | 44.66 |
| **35ДБ4** | Оп.реб. | Оп.реб. | 253.49 | 211.24 | 181.06 | 158.43 | 140.83 | 126.74 | 115.22 | 105.62 | 90.53 | 79.21 | 70.41 | 63.37 | 57.61 | 52.81 | 48.75 | 45.27 |
| **35ДБ5** | Оп.реб. | Оп.реб. | 279.86 | 233.22 | 199.90 | 174.91 | 155.48 | 139.93 | 127.21 | 116.61 | 99.95 | 87.46 | 77.74 | 69.97 | 63.61 | 58.30 | 53.82 | 49.98 |
| **35ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 271.18 | 232.44 | 203.39 | 180.79 | 162.71 | 147.92 | 135.59 | 116.22 | 101.69 | 90.39 | 81.35 | 73.96 | 67.80 | 62.58 | 58.11 |
| **35ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 240.67 | 210.59 | 187.19 | 168.47 | 153.16 | 140.39 | 120.34 | 105.29 | 93.60 | 84.24 | 76.58 | 70.20 | 64.80 | 60.17 |
| **35ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 267.78 | 234.31 | 208.28 | 187.45 | 170.41 | 156.21 | 133.89 | 117.16 | 104.14 | 93.72 | 85.20 | 78.10 | 72.10 | 66.95 |
| **35ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 291.99 | 255.49 | 227.11 | 204.40 | 185.81 | 170.33 | 146.00 | 127.75 | 113.55 | 102.20 | 92.91 | 85.16 | 78.61 | 73.00 |
| **35ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 319.58 | 279.64 | 248.56 | 223.71 | 203.37 | 186.42 | 159.79 | 139.82 | 124.28 | 111.85 | 101.69 | 93.21 | 86.04 | 79.90 |
| **40ДБ1** | Оп.реб. | 321.66 | 257.33 | 214.44 | 183.80 | 160.83 | 142.96 | 128.66 | 116.97 | 107.22 | 91.90 | 80.41 | 71.48 | 64.33 | 58.48 | 53.61 | 49.49 | 45.95 |
| **40ДБ2** | Оп.реб. | Оп.реб. | 274.40 | 228.67 | 196.00 | 171.50 | 152.44 | 137.20 | 124.73 | 114.33 | 98.00 | 85.75 | 76.22 | 68.60 | 62.36 | 57.17 | 52.77 | 49.00 |
| **40ДБ3** | Оп.реб. | Оп.реб. | 297.31 | 247.76 | 212.37 | 185.82 | 165.17 | 148.66 | 135.14 | 123.88 | 106.18 | 92.91 | 82.59 | 74 33 | 67.57 | 61.94 | 57.18 | 53.09 |
| **40ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 258.15 | 221.27 | 193.61 | 172.10 | 154.89 | 140.81 | 129.07 | 110.63 | 96.81 | 86 05 | 77.44 | 70.40 | 64.54 | 59.57 | 55.32 |
| **40ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 295.75 | 253.50 | 221.81 | 197.16 | 177.45 | 161.32 | 147.87 | 126.75 | 110.91 | 98.58 | 88.72 | 80.66 | 73.94 | 68.25 | 63.37 |
| **40ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 327.34 | 280.58 | 245.51 | 218.23 | 196.40 | 178.55 | 163.67 | 140.29 | 122.75 | 109.11 | 98.20 | 89.27 | 81.84 | 75.54 | 70.14 |
| **40ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 369.81 | 316.98 | 277.36 | 246.54 | 221.89 | 201.71 | 184.90 | 158.49 | 138.68 | 123.27 | 110.94 | 100.86 | 92.45 | 85.34 | 79 24 |
| **45ДБ1** | Оп.реб. | Оп.реб. | 329.89 | 274.91 | 235.64 | 206.18 | 183.27 | 164.95 | 149.95 | 137.46 | 117.82 | 103.09 | 91.64 | 82.47 | 74.98 | 68.73 | 63.44 | 58.91 |
| **45ДБ2** | Оп.реб. | Оп.реб. | 353.62 | 294.68 | 252.59 | 221.01 | 196.46 | 176.81 | 160.74 | 147.34 | 126.29 | 110.51 | 98.23 | 88.40 | 80.37 | 73.67 | 68.00 | 63.15 |
| **45ДБ3** | Оп.реб. | Оп.реб. | 404.48 | 337.07 | 288.92 | 252.80 | 224.71 | 202.24 | 183.86 | 168.53 | 144.46 | 126.40 | 112.36 | 101.12 | 91.93 | 84.27 | 77.79 | 72.23 |
| **45ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 357.91 | 306.78 | 268.43 | 238.61 | 214.75 | 195.22 | 178.96 | 153.39 | 134.22 | 119.30 | 107.37 | 97.61 | 89.48 | 82.60 | 76.70 |
| **45ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 393.78 | 337.53 | 295.34 | 262.52 | 236.27 | 214.79 | 196.89 | 168.76 | 147.67 | 131.26 | 118.13 | 107.40 | 98.45 | 90.87 | 84.38 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



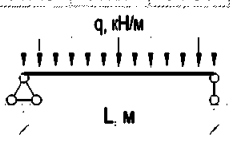



Таблица 6.4.2

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 45ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 314.82 | 269.85 | 236.12 | 209.88 | 188.89 | 171.72 | 157.41 | 134.92 | 118.06 | 104.94 | 94.45 | 85.86 | 78.71 | 72.65 | 67.46 |
| 45ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 336.71 | 288.60 | 252.53 | 224.47 | 202.02 | 183.66 | 168.35 | 144.30 | 126.26 | 112.24 | 101.01 | 91.83 | 84.18 | 77.70 | 72.15 |
| 45ДБ8 | Оп.реб. | Оп.реб. | Оп.реб. | 371.72 | 318.61 | 278.79 | 247.81 | 223.03 | 202.75 | 185.86 | 159.31 | 139.39 | 123.91 | 111.51 | 101.38 | 92.93 | 85.78 | 79.65 |
| 45ДБ9 | Оп.реб. | Оп.реб. | Оп.реб. | 396.63 | 339.97 | 297.47 | 264.42 | 237.98 | 216.34 | 198.31 | 169.98 | 148.73 | 132.21 | 118.99 | 108.17 | 99.16 | 91.53 | 84.99 |
| 45ДБ10 | Оп.реб. | Оп.реб. | Оп.реб. | 431.93 | 370.23 | 323.95 | 287.95 | 259.16 | 235.60 | 215.97 | 185.11 | 161.97 | 143.98 | 129.58 | 117.80 | 107.98 | 99.68 | 92.56 |
| 45ДБ11 | Оп.реб. | Оп.реб. | Оп.реб. | 458.34 | 392.86 | 343.76 | 305.56 | 275.00 | 250.00 | 229.17 | 196.43 | 171.88 | 152.78 | 137.50 | 125.00 | 114.59 | 105.77 | 98.22 |
| 53ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | 442.54 | 379.32 | 331.90 | 295.02 | 265.52 | 241.38 | 221.27 | 189.66 | 165.95 | 147.51 | 132.76 | 120.69 | 110.63 | 102.12 | 94.83 |
| 53ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 408.34 | 357.29 | 317.60 | 285.84 | 259.85 | 238.20 | 204.17 | 178.65 | 158.80 | 142.92 | 129.93 | 119.10 | 109.94 | 102.08 |
| 53ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 435.62 | 381.17 | 338.82 | 304.93 | 277.21 | 254.11 | 217.81 | 190.58 | 169.41 | 152.47 | 138.61 | 127.06 | 117.28 | 108.90 |
| 53ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 473.67 | 414.46 | 368.41 | 331.57 | 301.42 | 276.30 | 236.83 | 207.23 | 184.20 | 165.78 | 150.71 | 138.15 | 127.53 | 118.42 |
| 53ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 533.95 | 467.20 | 415.29 | 373.76 | 339.78 | 311.47 | 266.97 | 233.60 | 207.65 | 186.88 | 169.89 | 155.73 | 143.75 | 133.49 |
| 60ДБ1 | Оп.реб. | Оп.реб. | Оп.реб. | 472.93 | 405.37 | 354.70 | 315.29 | 283.76 | 257.96 | 236.47 | 202.69 | 177.35 | 157.64 | 141.88 | 128.98 | 118.23 | 109.14 | 101.34 |
| 60ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 520.33 | 446.00 | 390.25 | 346.89 | 312.20 | 283.82 | 260.17 | 223.00 | 195.12 | 173.44 | 156.10 | 141.91 | 130.08 | 120.08 | 111.50 |
| 60ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 439.86 | 384.87 | 342.11 | 307.90 | 279.91 | 256.58 | 219.93 | 192.44 | 171.06 | 153.95 | 139.95 | 128.29 | 118.42 | 109.96 |
| 60ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 474.14 | 414.88 | 368.78 | 331.90 | 301.73 | 276.58 | 237.07 | 207.44 | 184.39 | 165.95 | 150.86 | 138.29 | 127.65 | 118.54 |
| 60ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 507.70 | 444.23 | 394.87 | 355.39 | 323.08 | 296.16 | 253.85 | 222.12 | 197.44 | 177.69 | 161.54 | 148.08 | 136.69 | 126.92 |
| 60ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 471.49 | 419.11 | 377.20 | 342.91 | 314.33 | 269.43 | 235.75 | 209.55 | 188.60 | 171.45 | 157.16 | 145.08 | 134.71 |
| | Тип ДК - **Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| 10ДК1 | 81.27 | 60.96 | 48.76 | 40.64 | 34.83 | 30.48 | 27.09 | 24.38 | 22.17 | 20.32 | 17.42 | 15.24 | 13.55 | 12.19 | 11.08 | 10.16 | 9.38 | 8.71 |
| 10ДК2 | 100.17 | 75.13 | 60.10 | 50.09 | 42.93 | 37.56 | 33.39 | 30.05 | 27.32 | 25.04 | 21.47 | 18.78 | 16.70 | 15.03 | 13.66 | 12.52 | 11.56 | 10.73 |
| 10ДК3 | 215.90 | 161.93 | 129.54 | 107.95 | 92.53 | 80.96 | 71.97 | 64.77 | 58.88 | 53.98 | 46.26 | 40.48 | 35.98 | 32.39 | 29.44 | 26.99 | 24.91 | 23.13 |
| 12ДК1 | 98.37 | 73.77 | 59.02 | 49.18 | 42.16 | 36.89 | 32.79 | 29.51 | 26.83 | 24.59 | 21.08 | 18.44 | 16.39 | 14.75 | 13.41 | 12.30 | 11.35 | 10.54 |
| 12ДК2 | 126.17 | 94.63 | 75.70 | 63.09 | 54.07 | 47.32 | 42.06 | 37.85 | 34.41 | 31.54 | 27.04 | 23.66 | 21.03 | 18.93 | 17.21 | 15.77 | 14.56 | 13.52 |
| 12ДК3 | 255.93 | 191.95 | 153.56 | 127.96 | 109.68 | 95.97 | 85.31 | 76.78 | 69.80 | 63.98 | 54.84 | 47.99 | 42.65 | 38.39 | 34.90 | 31.99 | 29.53 | 27.42 |
| 14ДК1 | Оп.реб. | 94.96 | 75.97 | 63.31 | 54.27 | 47.48 | 42.21 | 37.99 | 34.53 | 31.65 | 27.13 | 23.74 | 21.10 | 18.99 | 17.27 | 15.83 | 14.61 | 13.57 |
| 14ДК2 | Оп.реб. | 119.82 | 95.86 | 79.88 | 68.47 | 59.91 | 53.26 | 47.93 | 43.57 | 39.94 | 34.24 | 29.96 | 26.63 | 23.96 | 21.79 | 19.97 | 18.43 | 17.12 |
| 14ДК3 | Оп.реб. | 232.57 | 186.06 | 155.05 | 132.90 | 116.28 | 103.36 | 93.03 | 84.57 | 77.52 | 66.45 | 58.14 | 51.68 | 46.51 | 42.29 | 38.76 | 35.78 | 33.22 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 15ДК1 | 153.57 | 115.18 | 92.14 | 76.79 | 65.82 | 57.59 | 51.19 | 46.07 | 41.88 | 38.39 | 32.91 | 28.79 | 25.60 | 23.04 | 20.94 | 19.20 | 17.72 | 16.45 |
| 15ДК2 | Оп.реб. | 134.50 | 107.60 | 89.67 | 76.86 | 67.25 | 59.78 | 53.80 | 48.91 | 44.83 | 38.43 | 33.63 | 29.89 | 26.90 | 24.45 | 22.42 | 20.69 | 19.21 |
| 15ДК3 | Оп.реб. | 161.51 | 129.20 | 107.67 | 92.29 | 80.75 | 71.78 | 64.60 | 58.73 | 53.84 | 46.14 | 40.38 | 35.89 | 32.30 | 29.36 | 26.92 | 24.85 | 23.07 |
| 16ДК1 | Оп.реб. | 118.75 | 95.00 | 79.17 | 67.86 | 59.37 | 52.78 | 47.50 | 43.18 | 39.58 | 33.93 | 29.69 | 26.39 | 23.75 | 21.59 | 19.79 | 18.27 | 16.96 |
| 16ДК2 | Оп.реб. | 156.80 | 125.44 | 104.54 | 89.60 | 78.40 | 69.69 | 62.72 | 57.02 | 52.27 | 44.80 | 39.20 | 34.85 | 31.36 | 28.51 | 26.13 | 24.12 | 22.40 |
| 16ДК3 | Оп.реб. | 282.29 | 225.83 | 188.19 | 161.31 | 141.14 | 125.46 | 112.92 | 102.65 | 94.10 | 80.65 | 70.57 | 62.73 | 56.46 | 51.33 | 47.05 | 43.43 | 40.33 |
| 18ДК1 | Оп.реб. | Оп.реб. | 107.55 | 89.63 | 76.82 | 67.22 | 59.75 | 53.78 | 48.89 | 44.81 | 38.41 | 33.61 | 29.88 | 26.89 | 24.44 | 22.41 | 20.68 | 19.21 |
| 18ДК2 | Оп.реб. | Оп.реб. | 147.45 | 122.87 | 105.32 | 92.15 | 81.92 | 73.72 | 67.02 | 61.44 | 52.66 | 46.08 | 40.96 | 36.86 | 33.51 | 30.72 | 28.36 | 26.33 |
| 18ДК3 | Оп.реб. | Оп.реб. | 262.15 | 218.45 | 187.25 | 163.84 | 145.64 | 131.07 | 119.16 | 109.23 | 93.62 | 81.92 | 72.82 | 65.54 | 59.58 | 54.61 | 50.41 | 46.81 |
| 20ДК1 | Оп.реб. | Оп.реб. | 147.09 | 122.57 | 105.06 | 91.93 | 81.72 | 73.54 | 66.86 | 61.29 | 52.53 | 45.97 | 40.86 | 36.77 | 33.43 | 30.64 | 28.29 | 26.27 |
| 20ДК2 | Оп.реб. | Оп.реб. | 162.88 | 135.73 | 116.34 | 101.80 | 90.49 | 81.44 | 74.04 | 67.87 | 58.17 | 50.90 | 45.24 | 40.72 | 37.02 | 33.93 | 31.32 | 29.09 |
| 20ДК3 | Оп.реб. | Оп.реб. | 189.79 | 158.16 | 135.57 | 118.62 | 105.44 | 94.90 | 86.27 | 79.08 | 67.78 | 59.31 | 52.72 | 47.45 | 43.13 | 39.54 | 36.50 | 33.89 |
| 20ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | 180.53 | 154.74 | 135.40 | 120.36 | 108.32 | 98.47 | 90.27 | 77.37 | 67.70 | 60.18 | 54.16 | 49.24 | 45.13 | 41.66 | 38.69 |
| 20ДК5 | Оп.реб. | Оп.реб. | 267.85 | 223.21 | 191.32 | 167.41 | 148.80 | 133.92 | 121.75 | 111.60 | 95.66 | 83.70 | 74.40 | 66.96 | 60.87 | 55.80 | 51.51 | 47.83 |
| 20ДК6 | Оп.реб. | Оп.реб. | 305.08 | 254.24 | 217.92 | 190.68 | 169.49 | 152.54 | 138.67 | 127.12 | 108.96 | 95.34 | 84.75 | 76.27 | 69.34 | 63.56 | 58.67 | 54.48 |
| 25ДК1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 156.61 | 137.03 | 121.80 | 109.62 | 99.66 | 91.35 | 78.30 | 68.52 | 60.90 | 54.81 | 49.83 | 45.68 | 42.16 | 39.15 |
| 25ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 172.37 | 150.83 | 134.07 | 120.66 | 109.69 | 100.55 | 86.19 | 75.41 | 67.03 | 60.33 | 54.85 | 50.28 | 46.41 | 43.09 |
| 25ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 197.91 | 173.17 | 153.93 | 138.54 | 125.94 | 115.45 | 98.95 | 86.59 | 76.96 | 69.27 | 62.97 | 57.72 | 53.28 | 49.48 |
| 25ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 221.89 | 194.15 | 172.58 | 155.32 | 141.20 | 129.43 | 110.94 | 97.07 | 86.29 | 77.66 | 70.60 | 64.72 | 59.74 | 55.47 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

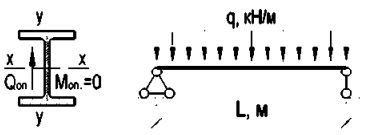


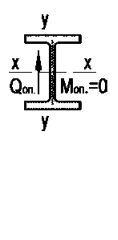
Таблица 6.4.2

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 94,96 | 71,22 | 56,97 | 47,48 | 40,70 | 35,61 | 31,65 | 28,49 | 25,90 | 23,74 | 20,35 | 17,80 | 15,83 | 14,24 | 12,95 | 11,87 | 10,96 | 10,17 |
| 12Б1 | 104,62 | 78,46 | 62,77 | 52,31 | 44,84 | 39,23 | 34,87 | 31,39 | 28,53 | 26,15 | 22,42 | 19,62 | 17,44 | 15,69 | 14,27 | 13,08 | 12,07 | 11,21 |
| 12Б2 | 122,86 | 92,15 | 73,72 | 61,43 | 52,66 | 46,07 | 40,95 | 36,86 | 33,51 | 30,72 | 26,33 | 23,04 | 20,48 | 18,43 | 16,75 | 15,36 | 14,18 | 13,16 |
| 14Б1 | 123,15 | 92,36 | 73,89 | 61,58 | 52,78 | 46,18 | 41,05 | 36,95 | 33,59 | 30,79 | 26,39 | 23,09 | 20,53 | 18,47 | 16,79 | 15,39 | 14,21 | 13,19 |
| 14Б2 | 153,65 | 115,24 | 92,19 | 76,82 | 65,85 | 57,62 | 51,22 | 46,09 | 41,90 | 38,41 | 32,92 | 28,81 | 25,61 | 23,05 | 20,95 | 19,21 | 17,73 | 16,46 |
| 16Б1 | 148,46 | 111,34 | 89,07 | 74,23 | 63,62 | 55,67 | 49,49 | 44,54 | 40,49 | 37,11 | 31,81 | 27,84 | 24,74 | 22,27 | 20,24 | 18,56 | 17,13 | 15,91 |
| 16Б2 | 187,25 | 140,44 | 112,35 | 93,62 | 80,25 | 70,22 | 62,42 | 56,17 | 51,07 | 46,81 | 40,12 | 35,11 | 31,21 | 28,09 | 25,53 | 23,41 | 21,61 | 20,06 |
| 18Б1 | 180,20 | 135,15 | 108,12 | 90,10 | 77,23 | 67,57 | 60,07 | 54,06 | 49,14 | 45,05 | 38,61 | 33,79 | 30,03 | 27,03 | 24,57 | 22,52 | 20,79 | 19,31 |
| 18Б2 | 223,80 | 167,85 | 134,28 | 111,90 | 95,91 | 83,92 | 74,60 | 67,14 | 61,04 | 55,95 | 47,96 | 41,96 | 37,30 | 33,57 | 30,52 | 27,97 | 25,82 | 23,98 |
| 20Б0 | 211,26 | 158,45 | 126,76 | 105,63 | 90,54 | 79,22 | 70,42 | 63,38 | 57,62 | 52,82 | 45,27 | 39,61 | 35,21 | 31,69 | 28,81 | 26,41 | 24,38 | 22,64 |
| 20Б1 | 258,40 | 193,80 | 155,04 | 129,20 | 110,74 | 96,90 | 86,13 | 77,52 | 70,47 | 64,60 | 55,37 | 48,45 | 43,07 | 38,76 | 35,24 | 32,30 | 29,82 | 27,69 |
| 20Б2 | 307,81 | 230,86 | 184,69 | 153,90 | 131,92 | 115,43 | 102,60 | 92,34 | 83,95 | 76,95 | 65,96 | 57,71 | 51,30 | 46,17 | 41,97 | 38,48 | 35,52 | 32,98 |
| 20Б3 | 384,24 | 288,18 | 230,54 | 192,12 | 164,67 | 144,09 | 128,08 | 115,27 | 104,79 | 96,06 | 82,34 | 72,04 | 64,04 | 57,64 | 52,40 | 48,03 | 44,34 | 41,17 |
| 25Б1 | Оп.реб | 221,62 | 177,30 | 147,75 | 126,64 | 110,81 | 98,50 | 88,65 | 80,59 | 73,87 | 63,32 | 55,41 | 49,25 | 44,32 | 40,30 | 36,94 | 34,10 | 31,66 |
| 25Б2 | Оп.реб. | 265,92 | 212,74 | 177,28 | 151,96 | 132,96 | 118,19 | 106,37 | 96,70 | 88,64 | 75,98 | 66,48 | 59,09 | 53,18 | 48,35 | 44,32 | 40,91 | 37,99 |
| 25Б3 | Оп.реб. | 336,12 | 268,90 | 224,08 | 192,07 | 168,06 | 149,39 | 134,45 | 122,23 | 112,04 | 96,03 | 84,03 | 74,69 | 67,22 | 61,11 | 56,02 | 51,71 | 48,02 |
| 25Б4 | Оп.реб. | 407,74 | 326,19 | 271,83 | 233,00 | 203,87 | 181,22 | 163,10 | 148,27 | 135,91 | 116,50 | 101,94 | 90,61 | 81,55 | 74,14 | 67,96 | 62,73 | 58,25 |
| 30Б1 | Оп.реб | 292,74 | 234,19 | 195,16 | 167,28 | 146,37 | 130,11 | 117,10 | 106,45 | 97,58 | 83,64 | 73,19 | 65,05 | 58,55 | 53,23 | 48,79 | 45,04 | 41,82 |
| 30Б2 | Оп.реб. | 345,93 | 276,74 | 230,62 | 197,67 | 172,96 | 153,75 | 138,37 | 125,79 | 115,31 | 98,84 | 86,48 | 76,87 | 69,19 | 62,90 | 57,65 | 53,22 | 49,42 |
| 30Б3 | Оп.реб. | 430,21 | 344,17 | 286,81 | 245,84 | 215,11 | 191,21 | 172,09 | 156,44 | 143,40 | 122,92 | 107,55 | 95,60 | 86,04 | 78,22 | 71,70 | 66,19 | 61,46 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30Б4 | Оп.реб. | 515,87 | 412,69 | 343,91 | 294,78 | 257,93 | 229,27 | 206,35 | 187,59 | 171,96 | 147,39 | 128,97 | 114,64 | 103,17 | 93,79 | 85,98 | 79,36 | 73,70 |
| 35Б1 | Оп.реб. | Оп.реб. | 297,58 | 247,98 | 212,56 | 185,99 | 165,32 | 148,79 | 135,26 | 123,99 | 106,28 | 92,99 | 82,66 | 74,39 | 67,63 | 62,00 | 57,23 | 53,14 |
| 35Б2 | Оп.реб. | Оп.реб. | 350,12 | 291,76 | 250,08 | 218,82 | 194,51 | 175,06 | 159,14 | 145,88 | 125,04 | 109,41 | 97,25 | 87,53 | 79,57 | 72,94 | 67,33 | 62,52 |
| 35Б3 | Оп.реб. | Оп.реб. | 428,37 | 356,98 | 305,98 | 267,73 | 237,98 | 214,19 | 194,71 | 178,49 | 152,99 | 133,87 | 118,99 | 107,09 | 97,36 | 89,24 | 82,38 | 76,50 |
| 35Б4 | Оп.реб. | Оп.реб. | 509,44 | 424,53 | 363,89 | 318,40 | 283,02 | 254,72 | 231,56 | 212,27 | 181,94 | 159,20 | 141,51 | 127,36 | 115,78 | 106,13 | 97,97 | 90,97 |
| 40Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 331,49 | 284,13 | 248,62 | 220,99 | 198,89 | 180,81 | 165,74 | 142,07 | 124,31 | 110,50 | 99,45 | 90,41 | 82,87 | 76,50 | 71,03 |
| 40Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 381,48 | 326,99 | 286,11 | 254,32 | 228,89 | 208,08 | 190,74 | 163,49 | 143,06 | 127,16 | 114,45 | 104,04 | 95,37 | 88,03 | 81,75 |
| 40Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 457,33 | 392,00 | 343,00 | 304,89 | 274,40 | 249,45 | 228,67 | 196,00 | 171,50 | 152,44 | 137,20 | 124,73 | 114,33 | 105,54 | 98,00 |
| 40Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 534,30 | 457,97 | 400,72 | 356,20 | 320,58 | 291,43 | 267,15 | 228,98 | 200,36 | 178,10 | 160,29 | 145,72 | 133,57 | 123,30 | 114,49 |
| 45Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 422,39 | 362,05 | 316,79 | 281,59 | 253,43 | 230,39 | 211,20 | 181,02 | 158,40 | 140,80 | 126,72 | 115,20 | 105,60 | 97,47 | 90,51 |
| 45Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 478,37 | 410,04 | 358,78 | 318,92 | 287,02 | 260,93 | 239,19 | 205,02 | 179,39 | 159,46 | 143,51 | 130,47 | 119,59 | 110,39 | 102,51 |
| 45Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 563,16 | 482,71 | 422,37 | 375,44 | 337,90 | 307,18 | 281,58 | 241,36 | 211,19 | 187,72 | 168,95 | 153,59 | 140,79 | 129,96 | 120,68 |
| 45Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 649,04 | 556,32 | 486,78 | 432,69 | 389,42 | 354,02 | 324,52 | 278,16 | 243,39 | 216,35 | 194,71 | 177,01 | 162,26 | 149,78 | 139,08 |
| 50Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 506,76 | 434,37 | 380,07 | 337,84 | 304,06 | 276,41 | 253,38 | 217,18 | 190,04 | 168,92 | 152,03 | 138,21 | 126,69 | 116,94 | 108,59 |
| 50Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 525,14 | 450,12 | 393,86 | 350,09 | 315,08 | 286,44 | 262,57 | 225,06 | 196,93 | 175,05 | 157,54 | 143,22 | 131,29 | 121,19 | 112,53 |
| 50Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 503,03 | 440,15 | 391,24 | 352,12 | 320,11 | 293,43 | 251,51 | 220,07 | 195,62 | 176,06 | 160,05 | 146,72 | 135,43 | 125,76 |
| 50Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 609,89 | 533,65 | 474,36 | 426,92 | 388,11 | 355,77 | 304,94 | 266,83 | 237,18 | 213,46 | 194,06 | 177,88 | 164,20 | 152,47 |
| 50Б5 | Оп.реб. | Оп.реб. | Оп.реб. | 867,54 | 743,61 | 650,66 | 578,36 | 520,53 | 473,21 | 433,77 | 371,80 | 325,33 | 289,18 | 260,26 | 236,60 | 216,89 | 200,20 | 185,90 |
| 55Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 519,17 | 454,27 | 403,80 | 363,42 | 330,38 | 302,85 | 259,58 | 227,14 | 201,90 | 181,71 | 165,19 | 151,42 | 139,78 | 129,79 |
| 55Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 551,60 | 482,65 | 429,02 | 386,12 | 351,02 | 321,76 | 275,80 | 241,32 | 214,51 | 193,06 | 175,51 | 160,88 | 148,51 | 137,90 |
| 55Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 664,84 | 581,74 | 517,10 | 465,39 | 423,08 | 387,83 | 332,42 | 290,87 | 258,55 | 232,70 | 211,54 | 193,91 | 179,00 | 166,21 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



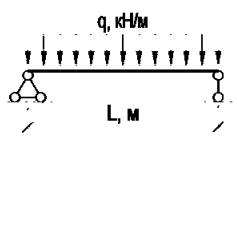



Таблица 6.4.2

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 55Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 758,61 | 663,79 | 590,03 | 531,03 | 482,75 | 442,52 | 379,31 | 331,89 | 295,02 | 265,51 | 241,38 | 221,26 | 204,24 | 189,65 |
| 60Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 592,83 | 518,73 | 461,09 | 414,98 | 377,26 | 345,82 | 296,42 | 259,36 | 230,55 | 207,49 | 188,63 | 172,91 | 159,61 | 148,21 |
| 60Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 655,61 | 573,66 | 509,92 | 458,93 | 417,21 | 382,44 | 327,80 | 286,83 | 254,96 | 229,46 | 208,60 | 191,22 | 176,51 | 163,90 |
| 60Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 746,23 | 652,96 | 580,40 | 522,36 | 474,88 | 435,30 | 373,12 | 326,48 | 290,20 | 261,18 | 237,44 | 217,65 | 200,91 | 186,56 |
| 60Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 875,24 | 765,84 | 680,75 | 612,67 | 556,97 | 510,56 | 437,62 | 382,92 | 340,37 | 306,34 | 278,49 | 255,28 | 235,64 | 218,81 |
| 70Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 824,81 | 721,71 | 641,52 | 577,36 | 524,88 | 481,14 | 412,40 | 360,85 | 320,76 | 288,68 | 262,44 | 240,57 | 222,06 | 206,20 |
| 70Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 790,64 | 702,80 | 632,52 | 575,01 | 527,10 | 451,80 | 395,32 | 351,40 | 316,26 | 287,51 | 263,55 | 243,28 | 225,90 |
| 70Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 860,25 | 764,66 | 688,20 | 625,63 | 573,50 | 491,57 | 430,12 | 382,33 | 344,10 | 312,82 | 286,75 | 264,69 | 245,78 |
| 70Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1014,94 | 902,17 | 811,95 | 738,14 | 676,62 | 579,96 | 507,47 | 451,08 | 405,97 | 369,07 | 338,31 | 312,29 | 289,98 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | Оп.реб. | 172,00 | 137,60 | 114,66 | 98,28 | 86,00 | 76,44 | 68,80 | 62,54 | 57,33 | 49,14 | 43,00 | 38,22 | 34,40 | 31,27 | 28,67 | 26,46 | 24,57 |
| 20Ш1 | Оп.реб. | 209,31 | 167,45 | 139,54 | 119,61 | 104,66 | 93,03 | 83,73 | 76,11 | 69,77 | 59,80 | 52,33 | 46,51 | 41,86 | 38,06 | 34,89 | 32,20 | 29,90 |
| 20Ш2 | Оп.реб. | 265,43 | 212,35 | 176,96 | 151,68 | 132,72 | 117,97 | 106,17 | 96,52 | 88,48 | 75,84 | 66,36 | 58,99 | 53,09 | 48,26 | 44,24 | 40,84 | 37,92 |
| 20Ш3 | Оп.реб. | 323,03 | 258,43 | 215,36 | 184,59 | 161,52 | 143,57 | 129,21 | 117,47 | 107,68 | 92,30 | 80,76 | 71,79 | 64,61 | 58,73 | 53,84 | 49,70 | 46,15 |
| 20Ш4 | Оп.реб. | 402,93 | 322,35 | 268,62 | 230,25 | 201,47 | 179,08 | 161,17 | 146,52 | 134,31 | 115,12 | 100,73 | 89,54 | 80,59 | 73,26 | 67,16 | 61,99 | 57,56 |
| 20Ш5 | Оп.реб. | 471,55 | 377,24 | 314,37 | 269,46 | 235,78 | 209,58 | 188,62 | 171,47 | 157,18 | 134,73 | 117,89 | 104,79 | 94,31 | 85,74 | 78,59 | 72,55 | 67,36 |
| 20Ш6 | Оп.реб. | 596,13 | 476,90 | 397,42 | 340,65 | 298,06 | 264,95 | 238,45 | 216,77 | 198,71 | 170,32 | 149,03 | 132,47 | 119,23 | 108,39 | 99,35 | 91,71 | 85,16 |
| 25Ш0 | Оп.реб. | Оп.реб. | 208,34 | 173,62 | 148,81 | 130,21 | 115,74 | 104,17 | 94,70 | 86,81 | 74,41 | 65,11 | 57,87 | 52,08 | 47,35 | 43,40 | 40,07 | 37,20 |
| 25Ш1 | Оп.реб. | Оп.реб. | 245,68 | 204,74 | 175,49 | 153,55 | 136,49 | 122,84 | 111,67 | 102,37 | 87,74 | 76,78 | 68,25 | 61,42 | 55,84 | 51,18 | 47,25 | 43,87 |
| 25Ш2 | Оп.реб. | Оп.реб. | 301,64 | 251,37 | 215,46 | 188,53 | 167,58 | 150,82 | 137,11 | 125,69 | 107,73 | 94,26 | 83,79 | 75,41 | 68,56 | 62,84 | 58,01 | 53,87 |
| 25Ш3 | Оп.реб. | Оп.реб. | 378,50 | 315,42 | 270,36 | 236,56 | 210,28 | 189,25 | 172,05 | 157,71 | 135,18 | 118,28 | 105,14 | 94,63 | 86,02 | 78,85 | 72,79 | 67,59 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25Ш4 | Оп.реб. | Оп.реб. | 463,22 | 386,02 | 330,87 | 289,51 | 257,34 | 231,61 | 210,55 | 193,01 | 165,44 | 144,76 | 128,67 | 115,81 | 105,28 | 96,50 | 89,08 | 82,72 |
| 25Ш5 | Оп.реб. | Оп.реб. | 582,47 | 485,39 | 416,05 | 364,04 | 323,60 | 291,24 | 264,76 | 242,70 | 208,03 | 182,02 | 161,80 | 145,62 | 132,38 | 121,35 | 112,01 | 104,01 |
| 25Ш6 | Оп.реб. | Оп.реб. | 710,59 | 592,16 | 507,56 | 444,12 | 394,77 | 355,30 | 323,00 | 296,08 | 253,78 | 222,06 | 197,39 | 177,65 | 161,50 | 148,04 | 136,65 | 126,89 |
| 30Ш0 | Оп.реб. | Оп.реб. | 293,03 | 244,19 | 209,31 | 183,14 | 162,79 | 146,51 | 133,19 | 122,10 | 104,65 | 91,57 | 81,40 | 73,26 | 66,60 | 61,05 | 56,35 | 52,33 |
| 30Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 281,72 | 241,48 | 211,29 | 187,81 | 169,03 | 153,67 | 140,86 | 120,74 | 105,65 | 93,91 | 84,52 | 76,83 | 70,43 | 65,01 | 60,37 |
| 30Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | 321,97 | 275,98 | 241,48 | 214,65 | 193,18 | 175,62 | 160,99 | 137,99 | 120,74 | 107,32 | 96,59 | 87,81 | 80,49 | 74,30 | 68,99 |
| 30Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | 397,34 | 340,58 | 298,01 | 264,90 | 238,41 | 216,73 | 198,67 | 170,29 | 149,00 | 132,45 | 119,20 | 108,37 | 99,34 | 91,69 | 85,15 |
| 30Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | 463,35 | 397,15 | 347,51 | 308,90 | 278,01 | 252,73 | 231,67 | 198,58 | 173,75 | 154,45 | 139,00 | 126,37 | 115,84 | 106,93 | 99,29 |
| 30Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | 583,27 | 499,95 | 437,46 | 388,85 | 349,96 | 318,15 | 291,64 | 249,97 | 218,73 | 194,42 | 174,98 | 159,07 | 145,82 | 134,60 | 124,99 |
| 30Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | 750,50 | 643,29 | 562,88 | 500,34 | 450,30 | 409,37 | 375,25 | 321,64 | 281,44 | 250,17 | 225,15 | 204,68 | 187,63 | 173,19 | 160,82 |
| 35Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 322,72 | 276,62 | 242,04 | 215,15 | 193,63 | 176,03 | 161,36 | 138,31 | 121,02 | 107,57 | 96,82 | 88,01 | 80,68 | 74,47 | 69,15 |
| 35Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 315,95 | 276,46 | 245,74 | 221,16 | 201,06 | 184,30 | 157,97 | 138,23 | 122,87 | 110,58 | 100,53 | 92,15 | 85,06 | 78,99 |
| 35Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 390,71 | 341,87 | 303,89 | 273,50 | 248,63 | 227,91 | 195,36 | 170,94 | 151,94 | 136,75 | 124,32 | 113,96 | 105,19 | 97,68 |
| 35Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 453,51 | 396,82 | 352,73 | 317,46 | 288,60 | 264,55 | 226,76 | 198,41 | 176,37 | 158,73 | 144,30 | 132,27 | 122,10 | 113,38 |
| 35Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 567,05 | 496,17 | 441,04 | 396,93 | 360,85 | 330,78 | 283,52 | 248,08 | 220,52 | 198,47 | 180,42 | 165,39 | 152,67 | 141,76 |
| 35Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 686,84 | 600,99 | 534,21 | 480,79 | 437,08 | 400,66 | 343,42 | 300,49 | 267,11 | 240,40 | 218,54 | 200,33 | 184,92 | 171,71 |
| 35Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 852,84 | 746,24 | 663,32 | 596,99 | 542,72 | 497,49 | 426,42 | 373,12 | 331,66 | 298,49 | 271,36 | 248,75 | 229,61 | 213,21 |
| 40Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 376,84 | 329,74 | 293,10 | 263,79 | 239,81 | 219,83 | 188,42 | 164,87 | 146,55 | 131,90 | 119,91 | 109,91 | 101,46 | 94,21 |
| 40Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 353,70 | 314,40 | 282,96 | 257,23 | 235,80 | 202,11 | 176,85 | 157,20 | 141,48 | 128,62 | 117,90 | 108,83 | 101,06 |
| 40Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 428,70 | 381,07 | 342,96 | 311,78 | 285,80 | 244,97 | 214,35 | 190,53 | 171,48 | 155,89 | 142,90 | 131,91 | 122,49 |
| 40Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 509,45 | 452,85 | 407,56 | 370,51 | 339,64 | 291,12 | 254,73 | 226,42 | 203,78 | 185,26 | 169,82 | 156,76 | 145,56 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

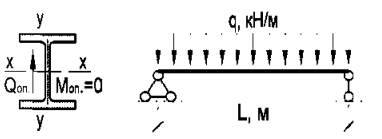


Таблица 6.4.2

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 625,96 | 556,41 | 500,77 | 455,24 | 417,31 | 357,69 | 312,98 | 278,20 | 250,38 | 227,62 | 208,65 | 192,60 | 178,85 |
| 40Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 763,07 | 678,29 | 610,46 | 554,96 | 508,72 | 436,04 | 381,54 | 339,14 | 305,23 | 277,48 | 254,36 | 234,79 | 218,02 |
| 40Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 900,96 | 800,85 | 720,77 | 655,24 | 600,64 | 514,83 | 450,48 | 400,43 | 360,38 | 327,62 | 300,32 | 277,22 | 257,42 |
| 45Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 392,69 | 349,05 | 314,15 | 285,59 | 261,79 | 224,39 | 196,34 | 174,53 | 157,07 | 142,79 | 130,90 | 120,83 | 112,20 |
| 45Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 388,34 | 349,51 | 317,73 | 291,25 | 249,65 | 218,44 | 194,17 | 174,75 | 158,87 | 145,63 | 134,43 | 124,82 |
| 45Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 504,56 | 448,50 | 403,65 | 366,95 | 336,37 | 288,32 | 252,28 | 224,25 | 201,82 | 183,48 | 168,19 | 155,25 | 144,16 |
| 45Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 586,03 | 520,91 | 468,82 | 426,20 | 390,69 | 334,87 | 293,01 | 260,46 | 234,41 | 213,10 | 195,34 | 180,32 | 167,44 |
| 45Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 714,83 | 635,41 | 571,87 | 519,88 | 476,56 | 408,48 | 357,42 | 317,70 | 285,93 | 259,94 | 238,28 | 219,95 | 204,24 |
| 45Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 752,79 | 677,52 | 615,92 | 564,60 | 483,94 | 423,45 | 376,40 | 338,76 | 307,96 | 282,30 | 260,58 | 241,97 |
| 45Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 886,81 | 798,13 | 725,57 | 665,11 | 570,09 | 498,83 | 443,40 | 399,06 | 362,79 | 332,55 | 306,97 | 285,05 |
| 50Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 476,06 | 423,16 | 380,85 | 346,22 | 317,37 | 272,03 | 238,03 | 211,58 | 190,42 | 173,11 | 158,69 | 146,48 | 136,02 |
| 50Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 714,90 | 625,53 | 556,03 | 500,43 | 454,93 | 417,02 | 357,45 | 312,77 | 278,02 | 250,21 | 227,47 | 208,51 | 192,47 | 178,72 |
| 50Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 750,74 | 656,90 | 583,91 | 525,52 | 477,74 | 437,93 | 375,37 | 328,45 | 291,95 | 262,76 | 238,87 | 218,97 | 202,12 | 187,68 |
| 50Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 706,61 | 628,10 | 565,29 | 513,90 | 471,08 | 403,78 | 353,31 | 314,05 | 282,65 | 256,95 | 235,54 | 217,42 | 201,89 |
| 50Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 822,94 | 731,50 | 658,35 | 598,50 | 548,63 | 470,25 | 411,47 | 365,75 | 329,18 | 299,25 | 274,31 | 253,21 | 235,13 |
| 50Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 964,92 | 857,71 | 771,94 | 701,76 | 643,28 | 551,38 | 482,46 | 428,85 | 385,97 | 350,88 | 321,64 | 296,90 | 275,69 |
| 50Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1158,57 | 1029,84 | 926,86 | 842,60 | 772,38 | 662,04 | 579,29 | 514,92 | 463,43 | 421,30 | 386,19 | 356,48 | 331,02 |
| 50Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1321,38 | 1174,56 | 1057,10 | 961,00 | 880,92 | 755,07 | 660,69 | 587,28 | 528,55 | 480,50 | 440,46 | 406,58 | 377,54 |
| 60Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 622,39 | 553,23 | 497,91 | 452,65 | 414,92 | 355,65 | 311,19 | 276,62 | 248,95 | 226,32 | 207,46 | 191,50 | 177,82 |
| 60Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 804,30 | 714,93 | 643,44 | 584,94 | 536,20 | 459,60 | 402,15 | 357,46 | 321,72 | 292,47 | 268,10 | 247,48 | 229,80 |
| 60Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 914,26 | 812,67 | 731,41 | 664,92 | 609,51 | 522,43 | 457,13 | 406,34 | 365,70 | 332,46 | 304,75 | 281,31 | 261,22 |
| 60Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1025,47 | 911,53 | 820,37 | 745,80 | 683,65 | 585,98 | 512,73 | 455,76 | 410,19 | 372,90 | 341,82 | 315,53 | 292,99 |
| 60Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1193,16 | 1060,58 | 954,53 | 867,75 | 795,44 | 681,80 | 596,58 | 530,29 | 477,26 | 433,88 | 397,72 | 367,13 | 340,90 |
| 60Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1380,68 | 1227,27 | 1104,55 | 1004,13 | 920,46 | 788,96 | 690,34 | 613,64 | 552,27 | 502,07 | 460,23 | 424,83 | 394,48 |
| 60Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1606,08 | 1427,62 | 1284,86 | 1168,06 | 1070,72 | 917,76 | 803,04 | 713,81 | 642,43 | 584,03 | 535,36 | 494,18 | 458,88 |
| 60Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1690,24 | 1521,22 | 1382,93 | 1267,68 | 1086,58 | 950,76 | 845,12 | 760,61 | 691,46 | 633,84 | 585,08 | 543,29 |
| 70Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 708,31 | 637,48 | 579,52 | 531,23 | 455,34 | 398,42 | 354,15 | 318,74 | 289,76 | 265,62 | 245,18 | 227,67 |
| 70Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 796,33 | 716,70 | 651,54 | 597,25 | 511,93 | 447,94 | 398,16 | 358,35 | 325,77 | 298,62 | 275,65 | 255,96 |
| 70Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 960,78 | 864,70 | 786,09 | 720,58 | 617,64 | 540,44 | 480,39 | 432,35 | 393,05 | 360,29 | 332,58 | 308,82 |
| 70Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1100,32 | 990,29 | 900,27 | 825,24 | 707,35 | 618,93 | 550,16 | 495,15 | 450,13 | 412,62 | 380,88 | 353,68 |
| 70Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1245,55 | 1120,99 | 1019,09 | 934,16 | 800,71 | 700,62 | 622,77 | 560,50 | 509,54 | 467,08 | 431,15 | 400,35 |
| 70Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1439,89 | 1295,91 | 1178,10 | 1079,92 | 925,65 | 809,94 | 719,95 | 647,95 | 589,05 | 539,96 | 498,43 | 462,82 |
| 70Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1730,11 | 1557,10 | 1415,54 | 1297,58 | 1112,21 | 973,19 | 865,05 | 778,55 | 707,77 | 648,79 | 598,88 | 556,11 |
| 70Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2024,47 | 1822,02 | 1656,38 | 1518,35 | 1301,44 | 1138,76 | 1012,23 | 911,01 | 828,19 | 759,18 | 700,78 | 650,72 |
| **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | | |
| 15К1 | Оп.реб. | 158,35 | 126,68 | 105,56 | 90,48 | 79,17 | 70,38 | 63,34 | 57,58 | 52,78 | 45,24 | 39,59 | 35,19 | 31,67 | 28,79 | 26,39 | 24,36 | 22,62 |
| 15К2 | Оп.реб. | 186,85 | 149,48 | 124,57 | 106,77 | 93,43 | 83,04 | 74,74 | 67,95 | 62,28 | 53,39 | 46,71 | 41,52 | 37,37 | 33,97 | 31,14 | 28,75 | 26,69 |
| 15К3 | Оп.реб. | 231,34 | 185,07 | 154,23 | 132,19 | 115,67 | 102,82 | 92,54 | 84,12 | 77,11 | 66,10 | 57,84 | 51,41 | 46,27 | 42,06 | 38,56 | 35,59 | 33,05 |
| 15К4 | Оп.реб. | 277,37 | 221,90 | 184,92 | 158,50 | 138,69 | 123,28 | 110,95 | 100,86 | 92,46 | 79,25 | 69,34 | 61,64 | 55,47 | 50,43 | 46,23 | 42,67 | 39,62 |
| 15К5 | Оп.реб. | 340,09 | 272,07 | 226,73 | 194,34 | 170,05 | 151,15 | 136,04 | 123,67 | 113,36 | 97,17 | 85,02 | 75,58 | 68,02 | 61,83 | 56,68 | 52,32 | 48,58 |
| 20К1 | Оп.реб. | Оп.реб. | 184,92 | 154,10 | 132,09 | 115,58 | 102,73 | 92,46 | 84,06 | 77,05 | 66,04 | 57,79 | 51,37 | 46,23 | 42,03 | 38,53 | 35,56 | 33,02 |
| 20К2 | Оп.реб. | Оп.реб. | 229,84 | 191,53 | 164,17 | 143,65 | 127,69 | 114,92 | 104,47 | 95,77 | 82,09 | 71,82 | 63,84 | 57,46 | 52,24 | 47,88 | 44,20 | 41,04 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

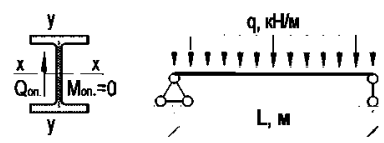


Таблица 6.4.2

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 20К3 | Оп.реб. | Оп.реб. | 261,77 | 218,14 | 186,98 | 163,60 | 145,43 | 130,88 | 118,99 | 109,07 | 93,49 | 81,80 | 72,71 | 65,44 | 59,49 | 54,53 | 50,34 | 46,74 |
| 20К4 | Оп.реб. | Оп.реб. | 310,78 | 258,98 | 221,99 | 194,24 | 172,66 | 155,39 | 141,26 | 129,49 | 110,99 | 97,12 | 86,33 | 77,70 | 70,63 | 64,75 | 59,77 | 55,50 |
| 20К5 | Оп.реб. | Оп.реб. | 358,70 | 298,92 | 256,22 | 224,19 | 199,28 | 179,35 | 163,05 | 149,46 | 128,11 | 112,09 | 99,64 | 89,68 | 81,52 | 74,73 | 68,98 | 64,05 |
| 20К6 | Оп.реб. | Оп.реб. | 412,67 | 343,90 | 294,77 | 257,92 | 229,26 | 206,34 | 187,58 | 171,95 | 147,38 | 128,96 | 114,63 | 103,17 | 93,79 | 85,97 | 79,36 | 73,69 |
| 20К7 | Оп.реб. | Оп.реб. | 479,06 | 399,22 | 342,19 | 299,41 | 266,14 | 239,53 | 217,75 | 199,61 | 171,09 | 149,71 | 133,07 | 119,76 | 108,88 | 99,80 | 92,13 | 85,55 |
| 20К8 | Оп.реб. | Оп.реб. | 550,92 | 459,10 | 393,52 | 344,33 | 306,07 | 275,46 | 250,42 | 229,55 | 196,76 | 172,16 | 153,03 | 137,73 | 125,21 | 114,78 | 105,95 | 98,38 |
| 25К1 | Оп.реб. | Оп.реб. | Оп.реб. | 238,32 | 204,27 | 178,74 | 158,88 | 142,99 | 129,99 | 119,16 | 102,14 | 89,37 | 79,44 | 71,50 | 65,00 | 59,58 | 55,00 | 51,07 |
| 25К2 | Оп.реб. | Оп.реб. | Оп.реб. | 270,81 | 232,12 | 203,11 | 180,54 | 162,49 | 147,71 | 135,40 | 116,06 | 101,55 | 90,27 | 81,24 | 73,86 | 67,70 | 62,49 | 58,03 |
| 25К3 | Оп.реб. | Оп.реб. | Оп.реб. | 302,81 | 259,55 | 227,11 | 201,87 | 181,69 | 165,17 | 151,41 | 129,78 | 113,55 | 100,94 | 90,84 | 82,59 | 75,70 | 69,88 | 64,89 |
| 25К4 | Оп.реб. | Оп.реб. | Оп.реб. | 336,31 | 288,27 | 252,23 | 224,21 | 201,79 | 183,44 | 168,16 | 144,13 | 126,12 | 112,10 | 100,89 | 91,72 | 84,08 | 77,61 | 72,07 |
| 25К5 | Оп.реб. | Оп.реб. | Оп.реб. | 386,36 | 331,17 | 289,77 | 257,58 | 231,82 | 210,74 | 193,18 | 165,58 | 144,89 | 128,79 | 115,91 | 105,37 | 96,59 | 89,16 | 82,79 |
| 25К6 | Оп.реб. | Оп.реб. | Оп.реб. | 424,68 | 364,01 | 318,51 | 283,12 | 254,81 | 231,65 | 212,34 | 182,01 | 159,26 | 141,56 | 127,41 | 115,82 | 106,17 | 98,00 | 91,00 |
| 25К7 | Оп.реб. | Оп.реб. | Оп.реб. | 493,11 | 422,67 | 369,84 | 328,74 | 295,87 | 268,97 | 246,56 | 211,33 | 184,92 | 164,37 | 147,93 | 134,49 | 123,28 | 113,80 | 105,67 |
| 25К8 | Оп.реб. | Оп.реб. | Оп.реб. | 563,16 | 482,70 | 422,37 | 375,44 | 337,89 | 307,18 | 281,58 | 241,35 | 211,18 | 187,72 | 168,95 | 153,59 | 140,79 | 129,96 | 120,68 |
| 25К9 | Оп.реб. | Оп.реб. | Оп.реб. | 635,12 | 544,39 | 476,34 | 423,41 | 381,07 | 346,43 | 317,56 | 272,19 | 238,17 | 211,71 | 190,54 | 173,21 | 158,78 | 146,57 | 136,10 |
| 25К10 | Оп.реб. | Оп.реб. | Оп.реб. | 745,67 | 639,15 | 559,25 | 497,11 | 447,40 | 406,73 | 372,84 | 319,57 | 279,63 | 248,56 | 223,70 | 203,36 | 186,42 | 172,08 | 159,79 |
| 30К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 244,33 | 217,18 | 195,47 | 177,70 | 162,89 | 139,62 | 122,17 | 108,59 | 97,73 | 88,85 | 81,44 | 75,18 | 69,81 |
| 30К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 310,92 | 272,06 | 241,83 | 217,65 | 197,86 | 181,37 | 155,46 | 136,03 | 120,91 | 108,82 | 98,93 | 90,69 | 83,71 | 77,73 |
| 30К3 | Оп.реб. | Оп.реб. | 640,90 | 534,08 | 457,79 | 400,56 | 356,06 | 320,45 | 291,32 | 267,04 | 228,89 | 200,28 | 178,03 | 160,22 | 145,66 | 133,52 | 123,25 | 114,45 |
| 30К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 301,75 | 268,22 | 241,40 | 219,45 | 201,17 | 172,43 | 150,87 | 134,11 | 120,70 | 109,73 | 100,58 | 92,85 | 86,21 |
| 30К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 331,79 | 294,92 | 265,43 | 241,30 | 221,19 | 189,59 | 165,89 | 147,46 | 132,72 | 120,65 | 110,60 | 102,09 | 94,80 |
| 30К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 351,77 | 312,69 | 281,42 | 255,83 | 234,51 | 201,01 | 175,89 | 156,34 | 140,71 | 127,92 | 117,26 | 108,24 | 100,51 |
| 30К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 394,80 | 350,93 | 315,84 | 287,12 | 263,20 | 225,60 | 197,40 | 175,46 | 157,92 | 143,56 | 131,60 | 121,48 | 112,80 |
| 30К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 353,22 | 317,89 | 288,99 | 264,91 | 227,07 | 198,68 | 176,61 | 158,95 | 144,50 | 132,46 | 122,27 | 113,53 |
| 30К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 394,21 | 354,79 | 322,53 | 295,66 | 253,42 | 221,74 | 197,10 | 177,39 | 161,27 | 147,83 | 136,46 | 126,71 |
| 30К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 448,02 | 403,22 | 366,56 | 336,02 | 288,01 | 252,01 | 224,01 | 201,61 | 183,28 | 168,01 | 155,08 | 144,01 |
| 30К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 502,90 | 452,61 | 411,46 | 377,17 | 323,29 | 282,88 | 251,45 | 226,30 | 205,73 | 188,59 | 174,08 | 161,65 |
| 30К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 560,09 | 504,08 | 458,26 | 420,07 | 360,06 | 315,05 | 280,05 | 252,04 | 229,13 | 210,03 | 193,88 | 180,03 |
| 30К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 621,24 | 559,11 | 508,28 | 465,93 | 399,37 | 349,45 | 310,62 | 279,56 | 254,14 | 232,96 | 215,04 | 199,68 |
| 30К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 770,02 | 684,46 | 616,02 | 560,02 | 513,35 | 440,01 | 385,01 | 342,23 | 308,01 | 280,01 | 256,67 | 236,93 | 220,01 |
| 30К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 866,76 | 770,46 | 693,41 | 630,37 | 577,84 | 495,29 | 433,38 | 385,23 | 346,71 | 315,19 | 288,92 | 266,70 | 247,65 |
| 30К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 969,83 | 862,07 | 775,86 | 705,33 | 646,55 | 554,19 | 484,91 | 431,03 | 387,93 | 352,66 | 323,28 | 298,41 | 277,09 |
| 30К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1075,98 | 956,43 | 860,79 | 782,53 | 717,32 | 614,85 | 537,99 | 478,22 | 430,39 | 391,27 | 358,66 | 331,07 | 307,42 |
| 30К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1153,25 | 1025,11 | 922,60 | 838,73 | 768,83 | 659,00 | 576,62 | 512,55 | 461,30 | 419,36 | 384,42 | 354,85 | 329,50 |
| 30К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1297,53 | 1153,36 | 1038,02 | 943,66 | 865,02 | 741,45 | 648,76 | 576,68 | 519,01 | 471,83 | 432,51 | 399,24 | 370,72 |
| 30К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1451,16 | 1289,92 | 1160,93 | 1055,39 | 967,44 | 829,24 | 725,58 | 644,96 | 580,46 | 527,70 | 483,72 | 446,51 | 414,62 |
| 30К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1600,40 | 1422,57 | 1280,32 | 1163,92 | 1066,93 | 914,51 | 800,20 | 711,29 | 640,16 | 581,96 | 533,47 | 492,43 | 457,26 |
| 35К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 277,57 | 249,82 | 227,11 | 208,18 | 178,44 | 156,13 | 138,79 | 124,91 | 113,55 | 104,09 | 96,08 | 89,22 |
| 35К1,5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 307,57 | 276,81 | 251,65 | 230,68 | 197,72 | 173,01 | 153,79 | 138,41 | 125,82 | 115,34 | 106,47 | 98,86 |
| 35К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 337,91 | 304,12 | 276,47 | 253,43 | 217,23 | 190,08 | 168,96 | 152,06 | 138,24 | 126,72 | 116,97 | 108,61 |
| 35К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 372,04 | 334,84 | 304,40 | 279,03 | 239,17 | 209,27 | 186,02 | 167,42 | 152,20 | 139,51 | 128,78 | 119,58 |
| 35К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 416,61 | 374,95 | 340,86 | 312,46 | 267,82 | 234,34 | 208,30 | 187,47 | 170,43 | 156,23 | 144,21 | 133,91 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

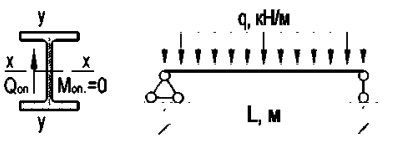


Таблица 6.4.2

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **35К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 461,83 | 415,65 | 377,86 | 346,37 | 296,89 | 259,78 | 230,92 | 207,82 | 188,93 | 173,19 | 159,86 | 148,45 |
| **35К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 506,95 | 456,26 | 414,78 | 380,22 | 325,90 | 285,16 | 253,48 | 228,13 | 207,39 | 190,11 | 175,48 | 162,95 |
| **35К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 569,49 | 512,54 | 465,95 | 427,12 | 366,10 | 320,34 | 284,74 | 256,27 | 232,97 | 213,56 | 197,13 | 183,05 |
| **35К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 631,97 | 568,78 | 517,07 | 473,98 | 406,27 | 355,49 | 315,99 | 284,39 | 258,53 | 236,99 | 218,76 | 203,13 |
| **35К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 696,92 | 627,23 | 570,21 | 522,69 | 448,02 | 392,02 | 348,46 | 313,61 | 285,10 | 261,35 | 241,24 | 224,01 |
| **35К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 754,01 | 678,61 | 616,92 | 565,51 | 484,72 | 424,13 | 377,00 | 339,30 | 308,46 | 282,75 | 261,00 | 242,36 |
| **35К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 835,86 | 752,27 | 683,88 | 626,89 | 537,34 | 470,17 | 417,93 | 376,14 | 341,94 | 313,45 | 289,34 | 268,67 |
| **35К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 936,18 | 842,56 | 765,96 | 702,13 | 601,83 | 526,60 | 468,09 | 421,28 | 382,98 | 351,07 | 324,06 | 300,91 |
| **35К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1039,19 | 935,27 | 850,25 | 779,39 | 668,05 | 584,54 | 519,60 | 467,64 | 425,12 | 389,70 | 359,72 | 334,03 |
| **35К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1248,40 | 1109,69 | 998,72 | 907,93 | 832,27 | 713,37 | 624,20 | 554,85 | 499,36 | 453,96 | 416,13 | 384,12 | 356,69 |
| **35К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1403,48 | 1247,54 | 1122,79 | 1020,72 | 935,66 | 801,99 | 701,74 | 623,77 | 561,39 | 510,36 | 467,83 | 431,84 | 401,00 |
| **35К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1565,56 | 1391,61 | 1252,45 | 1138,59 | 1043,70 | 894,60 | 782,78 | 695,80 | 626,22 | 569,29 | 521,85 | 481,71 | 447,30 |
| **35К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1736,21 | 1543,30 | 1388,97 | 1262,70 | 1157,48 | 992,12 | 868,11 | 771,65 | 694,49 | 631,35 | 578,74 | 534,22 | 496,06 |
| **35К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1890,90 | 1680,80 | 1512,72 | 1375,20 | 1260,60 | 1080,51 | 945,45 | 840,40 | 756,36 | 687,60 | 630,30 | 581,81 | 540,26 |
| **35К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2115,33 | 1880,30 | 1692,27 | 1538,42 | 1410,22 | 1208,76 | 1057,67 | 940,15 | 846,13 | 769,21 | 705,11 | 650,87 | 604,38 |
| **35К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2222,72 | 1975,76 | 1778,18 | 1616,53 | 1481,82 | 1270,13 | 1111,36 | 987,88 | 889,09 | 808,26 | 740,91 | 683,92 | 635,06 |
| **35К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2494,22 | 2217,09 | 1995,38 | 1813,98 | 1662,82 | 1425,27 | 1247,11 | 1108,54 | 997,69 | 906,99 | 831,41 | 767,45 | 712,64 |
| **35К22** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2785,66 | 2476,15 | 2228,53 | 2025,94 | 1857,11 | 1591,81 | 1392,83 | 1238,07 | 1114,27 | 1012,97 | 928,55 | 857,13 | 795,90 |
| **35К23** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3111,68 | 2765,94 | 2489,34 | 2263,04 | 2074,45 | 1778,10 | 1555,84 | 1382,97 | 1244,67 | 1131,52 | 1037,23 | 957,44 | 889,05 |
| **35К24** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3513,30 | 3122,94 | 2810,64 | 2555,13 | 2342,20 | 2007,60 | 1756,65 | 1561,47 | 1405,32 | 1277,57 | 1171,10 | 1081,02 | 1003,80 |
| **40К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 317,03 | 288,21 | 264,20 | 226,45 | 198,15 | 176,13 | 158,52 | 144,11 | 132,10 | 121,94 | 113,23 |
| **40К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 366,58 | 333,25 | 305,48 | 261,84 | 229,11 | 203,65 | 183,29 | 166,63 | 152,74 | 140,99 | 130,92 |
| **40К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 453,51 | 412,28 | 377,92 | 323,93 | 283,44 | 251,95 | 226,75 | 206,14 | 188,96 | 174,43 | 161,97 |
| **40К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 516,42 | 469,47 | 430,35 | 368,87 | 322,76 | 286,90 | 258,21 | 234,73 | 215,17 | 198,62 | 184,43 |
| **40К4,5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 578,09 | 525,53 | 481,74 | 412,92 | 361,31 | 321,16 | 289,04 | 262,77 | 240,87 | 222,34 | 206,46 |
| **40К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 746,97 | 672,27 | 611,16 | 560,23 | 480,20 | 420,17 | 373,49 | 336,14 | 305,58 | 280,11 | 258,57 | 240,10 |
| **40К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 819,87 | 737,89 | 670,81 | 614,90 | 527,06 | 461,18 | 409,94 | 368,94 | 335,40 | 307,45 | 283,80 | 263,53 |
| **40К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 902,65 | 812,38 | 738,53 | 676,99 | 580,27 | 507,74 | 451,32 | 406,19 | 369,27 | 338,49 | 312,46 | 290,14 |
| **40К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1012,50 | 911,25 | 828,41 | 759,38 | 650,90 | 569,53 | 506,25 | 455,63 | 414,21 | 379,69 | 350,48 | 325,45 |
| **40К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1160,45 | 1044,40 | 949,46 | 870,34 | 746,00 | 652,75 | 580,22 | 522,20 | 474,73 | 435,17 | 401,69 | 373,00 |
| **40К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1276,34 | 1148,71 | 1044,28 | 957,26 | 820,50 | 717,94 | 638,17 | 574,35 | 522,14 | 478,63 | 441,81 | 410,25 |
| **40К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1426,72 | 1284,05 | 1167,32 | 1070,04 | 917,18 | 802,53 | 713,36 | 642,02 | 583,66 | 535,02 | 493,86 | 458,59 |
| **40К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1624,94 | 1462,44 | 1329,49 | 1218,70 | 1044,60 | 914,03 | 812,47 | 731,22 | 664,75 | 609,35 | 562,48 | 522,30 |
| **40К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1777,42 | 1599,68 | 1454,25 | 1333,07 | 1142,63 | 999,80 | 888,71 | 799,84 | 727,13 | 666,53 | 615,26 | 571,31 |
| **40К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2027,98 | 1825,18 | 1659,25 | 1520,98 | 1303,70 | 1140,74 | 1013,99 | 912,59 | 829,63 | 760,49 | 701,99 | 651,85 |
| **40К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2167,72 | 1950,95 | 1773,59 | 1625,79 | 1393,54 | 1219,34 | 1083,86 | 975,48 | 886,80 | 812,90 | 750,37 | 696,77 |
| **40К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2471,89 | 2224,70 | 2022,46 | 1853,92 | 1589,07 | 1390,44 | 1235,95 | 1112,35 | 1011,23 | 926,96 | 855,66 | 794,54 |
| **40К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2839,33 | 2555,40 | 2323,09 | 2129,50 | 1825,29 | 1597,13 | 1419,67 | 1277,70 | 1161,55 | 1064,75 | 982,85 | 912,64 |
| **40К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3171,44 | 2854,30 | 2594,81 | 2378,58 | 2038,78 | 1783,93 | 1585,72 | 1427,15 | 1297,41 | 1189,29 | 1097,81 | 1019,39 |
| **40К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3621,51 | 3259,36 | 2963,05 | 2716,13 | 2328,11 | 2037,10 | 1810,76 | 1629,68 | 1481,53 | 1358,07 | 1253,60 | 1164,06 |
| **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | | |
| **13С1** | 266,13 | 199,60 | 159,68 | 133,07 | 114,06 | 99,80 | 88,71 | 79,84 | 72,58 | 66,53 | 57,03 | 49,90 | 44,36 | 39,92 | 36,29 | 33,27 | 30,71 | 28,51 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

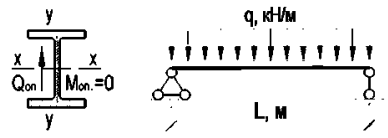


Таблица 6.4.2

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **20С1** | Оп.реб. | 423,11 | 338,49 | 282,07 | 241,78 | 211,56 | 188,05 | 169,24 | 153,86 | 141,04 | 120,89 | 105,78 | 94,02 | 84,62 | 76,93 | 70,52 | 65,09 | 60,44 |
| **25С1** | Оп.реб. | Оп.реб. | 384,40 | 320,33 | 274,57 | 240,25 | 213,56 | 192,20 | 174,73 | 160,17 | 137,29 | 120,12 | 106,78 | 96,10 | 87,36 | 80,08 | 73,92 | 68,64 |
| **25С2** | Оп.реб. | Оп.реб. | 495,59 | 412,99 | 353,99 | 309,74 | 275,33 | 247,79 | 225,27 | 206,49 | 176,99 | 154,87 | 137,66 | 123,90 | 112,63 | 103,25 | 95,30 | 88,50 |
| **30С1** | Оп.реб. | Оп.реб. | 507,33 | 422,77 | 362,38 | 317,08 | 281,85 | 253,66 | 230,60 | 211,39 | 181,19 | 158,54 | 140,92 | 126,83 | 115,30 | 105,69 | 97,56 | 90,59 |
| **30С2** | Оп.реб. | Оп.реб. | 640,90 | 534,08 | 457,79 | 400,56 | 356,06 | 320,45 | 291,32 | 267,04 | 228,89 | 200,28 | 178,03 | 160,22 | 145,66 | 133,52 | 123,25 | 114,45 |
| **32С1** | Оп.реб. | Оп.реб. | 1090,60 | 908,84 | 779,00 | 681,63 | 605,89 | 545,30 | 495,73 | 454,42 | 389,50 | 340,81 | 302,95 | 272,65 | 247,86 | 227,21 | 209,73 | 194,75 |
| **32С2** | Оп.реб. | Оп.реб. | 1358,86 | 1132,38 | 970,61 | 849,29 | 754,92 | 679,43 | 617,66 | 566,19 | 485,31 | 424,64 | 377,46 | 339,71 | 308,83 | 283,10 | 261,32 | 242,65 |
| **35С1** | Оп.реб. | Оп.реб. | Оп.реб. | 528,12 | 452,68 | 396,09 | 352,08 | 316,87 | 288,07 | 264,06 | 226,34 | 198,05 | 176,04 | 158,44 | 144,03 | 132,03 | 121,87 | 113,17 |
| **35С2** | Оп.реб. | Оп.реб. | Оп.реб. | 655,96 | 562,25 | 491,97 | 437,31 | 393,58 | 357,80 | 327,98 | 281,13 | 245,99 | 218,65 | 196,79 | 178,90 | 163,99 | 151,38 | 140,56 |
| **35С3** | Оп.реб. | Оп.реб. | Оп.реб. | 786,14 | 673,84 | 589,61 | 524,09 | 471,69 | 428,80 | 393,07 | 336,92 | 294,80 | 262,05 | 235,84 | 214,40 | 196,54 | 181,42 | 168,46 |
| **40С1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 599,42 | 524,49 | 466,21 | 419,59 | 381,45 | 349,66 | 299,71 | 262,24 | 233,11 | 209,80 | 190,72 | 174,83 | 161,38 | 149,85 |
| **40С2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 725,05 | 634,42 | 563,93 | 507,54 | 461,40 | 422,95 | 362,53 | 317,21 | 281,96 | 253,77 | 230,70 | 211,47 | 195,21 | 181,26 |
| **40С3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 827,97 | 724,48 | 643,98 | 579,58 | 526,89 | 482,98 | 413,99 | 362,24 | 321,99 | 289,79 | 263,45 | 241,49 | 222,92 | 206,99 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| **20ДБ1** | Оп.реб. | 214,71 | 171,77 | 143,14 | 122,69 | 107,35 | 95,43 | 85,88 | 78,08 | 71,57 | 61,34 | 53,68 | 47,71 | 42,94 | 39,04 | 35,78 | 33,03 | 30,67 |
| **20ДБ2** | Оп.реб. | 239,69 | 191,75 | 159,79 | 136,96 | 119,84 | 106,53 | 95,87 | 87,16 | 79,90 | 68,48 | 59,92 | 53,26 | 47,94 | 43,58 | 39,95 | 36,87 | 34,24 |
| **25ДБ1** | Оп.реб. | 269,19 | 215,35 | 179,46 | 153,82 | 134,59 | 119,64 | 107,67 | 97,89 | 89,73 | 76,91 | 67,30 | 59,82 | 53,84 | 48,94 | 44,86 | 41,41 | 38,46 |
| **25ДБ2** | Оп.реб. | Оп.реб. | 231,07 | 192,56 | 165,05 | 144,42 | 128,37 | 115,54 | 105,03 | 96,28 | 82,53 | 72,21 | 64,19 | 57,77 | 52,52 | 48,14 | 44,44 | 41,26 |
| **25ДБ3** | Оп.реб. | Оп.реб. | 266,73 | 222,27 | 190,52 | 166,71 | 148,18 | 133,36 | 121,24 | 111,14 | 95,26 | 83,35 | 74,09 | 66,68 | 60,62 | 55,57 | 51,29 | 47,63 |
| **25ДБ4** | Оп.реб. | 281,24 | 224,99 | 187,50 | 160,71 | 140,62 | 125,00 | 112,50 | 102,27 | 93,75 | 80,36 | 70,31 | 62,50 | 56,25 | 51,14 | 46,87 | 43,27 | 40,18 |
| **25ДБ5** | Оп.реб. | Оп.реб. | 247,19 | 205,99 | 176,57 | 154,50 | 137,33 | 123,60 | 112,36 | 103,00 | 88,28 | 77,25 | 68,66 | 61,80 | 56,18 | 51,50 | 47,54 | 44,14 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **25ДБ6** | Оп.реб. | Оп.реб. | 287,26 | 239,38 | 205,19 | 179,54 | 159,59 | 143,63 | 130,57 | 119,69 | 102,59 | 89,77 | 79,79 | 71,81 | 65,29 | 59,85 | 55,24 | 51,30 |
| **30ДБ1** | Оп.реб. | 320,33 | 256,26 | 213,55 | 183,05 | 160,17 | 142,37 | 128,13 | 116,48 | 106,78 | 91,52 | 80,08 | 71,18 | 64,07 | 58,24 | 53,39 | 49,28 | 45,76 |
| **30ДБ2** | Оп.реб. | 357,34 | 285,87 | 238,23 | 204,20 | 178,67 | 158,82 | 142,94 | 129,94 | 119,11 | 102,10 | 89,34 | 79,41 | 71,47 | 64,97 | 59,56 | 54,98 | 51,05 |
| **30ДБ3** | Оп.реб. | Оп.реб. | 258,92 | 215,77 | 184,95 | 161,83 | 143,85 | 129,46 | 117,69 | 107,89 | 92,47 | 80,91 | 71,92 | 64,73 | 58,85 | 53,94 | 49,79 | 46,24 |
| **30ДБ4** | Оп.реб. | Оп.реб. | 296,35 | 246,96 | 211,68 | 185,22 | 164,64 | 148,18 | 134,71 | 123,48 | 105,84 | 92,61 | 82,32 | 74,09 | 67,35 | 61,74 | 56,99 | 52,92 |
| **30ДБ5** | Оп.реб. | Оп.реб. | 343,96 | 286,64 | 245,69 | 214,98 | 191,09 | 171,98 | 156,35 | 143,32 | 122,84 | 107,49 | 95,55 | 85,99 | 78,17 | 71,66 | 66,15 | 61,42 |
| **30ДБ6** | Оп.реб. | Оп.реб. | 261,81 | 218,17 | 187,00 | 163,63 | 145,45 | 130,90 | 119,00 | 109,09 | 93,50 | 81,81 | 72,72 | 65,45 | 59,50 | 54,54 | 50,35 | 46,75 |
| **30ДБ7** | Оп.реб. | Оп.реб. | 295,30 | 246,08 | 210,93 | 184,56 | 164,06 | 147,65 | 134,23 | 123,04 | 105,46 | 92,28 | 82,03 | 73,82 | 67,11 | 61,52 | 56,79 | 52,73 |
| **30ДБ8** | Оп.реб. | Оп.реб. | 349,21 | 291,01 | 249,44 | 218,26 | 194,01 | 174,60 | 158,73 | 145,50 | 124,72 | 109,13 | 97,00 | 87,30 | 79,37 | 72,75 | 67,16 | 62,36 |
| **35ДБ1** | Оп.реб. | 354,04 | 283,23 | 236,03 | 202,31 | 177,02 | 157,35 | 141,62 | 128,74 | 118,01 | 101,15 | 88,51 | 78,68 | 70,81 | 64,37 | 59,01 | 54,47 | 50,58 |
| **35ДБ2** | Оп.реб. | 402,32 | 321,86 | 268,22 | 229,90 | 201,16 | 178,81 | 160,93 | 146,30 | 134,11 | 114,95 | 100,58 | 89,41 | 80,46 | 73,15 | 67,05 | 61,90 | 57,47 |
| **35ДБ3** | Оп.реб. | Оп.реб. | 345,15 | 287,62 | 246,54 | 215,72 | 191,75 | 172,57 | 156,89 | 143,81 | 123,27 | 107,86 | 95,87 | 86,29 | 78,44 | 71,91 | 66,37 | 61,63 |
| **35ДБ4** | Оп.реб. | Оп.реб. | 364,39 | 303,66 | 260,28 | 227,74 | 202,44 | 182,19 | 165,63 | 151,83 | 130,14 | 113,87 | 101,22 | 91,10 | 82,82 | 75,91 | 70,07 | 65,07 |
| **35ДБ5** | Оп.реб. | Оп.реб. | 402,30 | 335,25 | 287,36 | 251,44 | 223,50 | 201,15 | 182,86 | 167,63 | 143,68 | 125,72 | 111,75 | 100,58 | 91,43 | 83,81 | 77,37 | 71,84 |
| **35ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 389,82 | 334,13 | 292,37 | 259,88 | 233,89 | 212,63 | 194,91 | 167,07 | 146,18 | 129,94 | 116,95 | 106,32 | 97,46 | 89,96 | 83,53 |
| **35ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 345,97 | 302,72 | 269,09 | 242,18 | 220,16 | 201,82 | 172,98 | 151,36 | 134,54 | 121,09 | 110,08 | 100,91 | 93,15 | 86,49 |
| **35ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 384,94 | 336,82 | 299,40 | 269,46 | 244,96 | 224,55 | 192,47 | 168,41 | 149,70 | 134,73 | 122,48 | 112,27 | 103,64 | 96,24 |
| **35ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 419,74 | 367,27 | 326,46 | 293,82 | 267,11 | 244,85 | 209,87 | 183,64 | 163,23 | 146,91 | 133,55 | 122,42 | 113,01 | 104,94 |
| **35ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 465,48 | 407,30 | 362,04 | 325,84 | 296,21 | 271,53 | 232,74 | 203,65 | 181,02 | 162,92 | 148,11 | 135,77 | 125,32 | 116,37 |
| **40ДБ1** | Оп.реб. | 443,89 | 355,11 | 295,93 | 253,65 | 221,94 | 197,28 | 177,56 | 161,41 | 147,96 | 126,83 | 110,97 | 98,64 | 88,78 | 80,71 | 73,98 | 68,29 | 63,41 |
| **40ДБ2** | Оп.реб. | Оп.реб. | 394,45 | 328,71 | 281,75 | 246,53 | 219,14 | 197,22 | 179,29 | 164,35 | 140,87 | 123,26 | 109,57 | 98,61 | 89,65 | 82,18 | 75,86 | 70,44 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

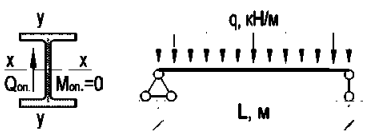
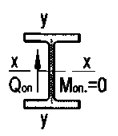


Таблица 6.4.2

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40ДБ3** | Оп.реб. | Оп.реб. | 427,39 | 356,16 | 305,28 | 267,12 | 237,44 | 213,69 | 194,27 | 178,08 | 152,64 | 133,56 | 118,72 | 106,85 | 97,13 | 89,04 | 82,19 | 76,32 |
| **40ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 371,09 | 318,08 | 278,32 | 247,39 | 222,65 | 202,41 | 185,54 | 159,04 | 139,16 | 123,70 | 111,33 | 101,21 | 92,77 | 85,64 | 79,52 |
| **40ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 425,14 | 364,40 | 318,85 | 283,42 | 255,08 | 231,89 | 212,57 | 182,20 | 159,43 | 141,71 | 127,54 | 115,95 | 106,28 | 98,11 | 91,10 |
| **40ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 470,55 | 403,33 | 352,91 | 313,70 | 282,33 | 256,66 | 235,28 | 201,67 | 176,46 | 156,85 | 141,17 | 128,33 | 117,64 | 108,59 | 100,83 |
| **40ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 531,60 | 455,66 | 398,70 | 354,40 | 318,96 | 289,96 | 265,80 | 227,83 | 199,35 | 177,20 | 159,48 | 144,98 | 132,90 | 122,68 | 113,91 |
| **45ДБ1** | Оп.реб. | Оп.реб. | 474,22 | 395,19 | 338,73 | 296,39 | 263,46 | 237,11 | 215,56 | 197,59 | 169,37 | 148,19 | 131,73 | 118,56 | 107,78 | 98,80 | 91,20 | 84,68 |
| **45ДБ2** | Оп.реб. | Оп.реб. | 508,33 | 423,61 | 363,09 | 317,71 | 282,40 | 254,16 | 231,06 | 211,80 | 181,55 | 158,85 | 141,20 | 127,08 | 115,53 | 105,90 | 97,76 | 90,77 |
| **45ДБ3** | Оп.реб. | Оп.реб. | 581,44 | 484,54 | 415,32 | 363,40 | 323,02 | 290,72 | 264,29 | 242,27 | 207,66 | 181,70 | 161,51 | 145,36 | 132,15 | 121,13 | 111,82 | 103,83 |
| **45ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 514,50 | 441,00 | 385,87 | 343,00 | 308,70 | 280,64 | 257,25 | 220,50 | 192,94 | 171,50 | 154,35 | 140,32 | 128,62 | 118,73 | 110,25 |
| **45ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 566,06 | 485,20 | 424,55 | 377,37 | 339,64 | 308,76 | 283,03 | 242,60 | 212,27 | 188,69 | 169,82 | 154,38 | 141,52 | 130,63 | 121,30 |
| **45ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 452,56 | 387,91 | 339,42 | 301,71 | 271,53 | 246,85 | 226,28 | 193,95 | 169,71 | 150,85 | 135,77 | 123,42 | 113,14 | 104,44 | 96,98 |
| **45ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 484,01 | 414,87 | 363,01 | 322,68 | 290,41 | 264,01 | 242,01 | 207,43 | 181,51 | 161,34 | 145,20 | 132,00 | 121,00 | 111,70 | 103,72 |
| **45ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | 534,34 | 458,01 | 400,76 | 356,23 | 320,60 | 291,46 | 267,17 | 229,00 | 200,38 | 178,11 | 160,30 | 145,73 | 133,59 | 123,31 | 114,50 |
| **45ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | 570,15 | 488,70 | 427,61 | 380,10 | 342,09 | 310,99 | 285,08 | 244,35 | 213,81 | 190,05 | 171,05 | 155,50 | 142,54 | 131,57 | 122,18 |
| **45ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | 620,90 | 532,20 | 465,67 | 413,93 | 372,54 | 338,67 | 310,45 | 266,10 | 232,84 | 206,97 | 186,27 | 169,34 | 155,22 | 143,28 | 133,05 |
| **45ДБ11** | Оп.реб. | Оп.реб. | Оп.реб. | 667,58 | 572,21 | 500,69 | 445,06 | 400,55 | 364,14 | 333,79 | 286,11 | 250,34 | 222,53 | 200,28 | 182,07 | 166,90 | 154,06 | 143,05 |
| **53ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | 636,15 | 545,27 | 477,11 | 424,10 | 381,69 | 346,99 | 318,07 | 272,63 | 238,55 | 212,05 | 190,84 | 173,49 | 159,04 | 146,80 | 136,32 |
| **53ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 586,98 | 513,61 | 456,54 | 410,89 | 373,54 | 342,41 | 293,49 | 256,81 | 228,27 | 205,44 | 186,77 | 171,20 | 158,03 | 146,75 |
| **53ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 626,20 | 547,93 | 487,05 | 438,34 | 398,49 | 365,29 | 313,10 | 273,96 | 243,52 | 219,17 | 199,25 | 182,64 | 168,59 | 156,55 |
| **53ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 689,90 | 603,67 | 536,59 | 482,93 | 439,03 | 402,44 | 344,95 | 301,83 | 268,30 | 241,47 | 219,51 | 201,22 | 185,74 | 172,48 |
| **53ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 777,70 | 680,49 | 604,88 | 544,39 | 494,90 | 453,66 | 388,85 | 340,25 | 302,44 | 272,20 | 247,45 | 226,83 | 209,38 | 194,43 |
| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| **60ДБ1** | Оп.реб. | Оп.реб. | Оп.реб. | 679,84 | 582,72 | 509,88 | 453,23 | 407,90 | 370,82 | 339,92 | 291,36 | 254,94 | 226,61 | 203,95 | 185,41 | 169,96 | 156,89 | 145,68 |
| **60ДБ2** | Оп.реб. | Оп.реб. | Оп.реб. | 747,98 | 641,12 | 560,98 | 498,65 | 448,79 | 407,99 | 373,99 | 320,56 | 280,49 | 249,33 | 224,39 | 203,99 | 186,99 | 172,61 | 160,28 |
| **60ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 632,29 | 553,26 | 491,78 | 442,60 | 402,37 | 368,84 | 316,15 | 276,63 | 245,89 | 221,30 | 201,18 | 184,42 | 170,23 | 158,07 |
| **60ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 681,58 | 596,38 | 530,12 | 477,11 | 433,73 | 397,59 | 340,79 | 298,19 | 265,06 | 238,55 | 216,87 | 198,79 | 183,50 | 170,40 |
| **60ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 729,81 | 638,59 | 567,63 | 510,87 | 464,43 | 425,72 | 364,91 | 319,29 | 283,82 | 255,43 | 232,21 | 212,86 | 196,49 | 182,45 |
| **60ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 686,74 | 610,44 | 549,39 | 499,45 | 457,83 | 392,42 | 343,37 | 305,22 | 274,70 | 249,72 | 228,91 | 211,31 | 196,21 |
| | **Тип ДК - Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| **10ДК1** | 112,16 | 84,12 | 67,29 | 56,08 | 48,07 | 42,06 | 37,39 | 33,65 | 30,59 | 28,04 | 24,03 | 21,03 | 18,69 | 16,82 | 15,29 | 14,02 | 12,94 | 12,02 |
| **10ДК2** | 138,24 | 103,68 | 82,94 | 69,12 | 59,25 | 51,84 | 46,08 | 41,47 | 37,70 | 34,56 | 29,62 | 25,92 | 23,04 | 20,74 | 18,85 | 17,28 | 15,95 | 14,81 |
| **10ДК3** | 310,36 | 232,77 | 186,21 | 155,18 | 133,01 | 116,38 | 103,45 | 93,11 | 84,64 | 77,59 | 66,51 | 58,19 | 51,73 | 46,55 | 42,32 | 38,79 | 35,81 | 33,25 |
| **12ДК1** | 135,74 | 101,81 | 81,45 | 67,87 | 58,18 | 50,90 | 45,25 | 40,72 | 37,02 | 33,94 | 29,09 | 25,45 | 22,62 | 20,36 | 18,51 | 16,97 | 15,66 | 14,54 |
| **12ДК2** | 181,38 | 136,03 | 108,83 | 90,69 | 77,73 | 68,02 | 60,46 | 54,41 | 49,47 | 45,34 | 38,87 | 34,01 | 30,23 | 27,21 | 24,73 | 22,67 | 20,93 | 19,43 |
| **12ДК3** | 372,77 | 279,57 | 223,66 | 186,38 | 159,76 | 139,79 | 124,26 | 111,83 | 101,66 | 93,19 | 79,88 | 69,89 | 62,13 | 55,91 | 50,83 | 46,60 | 43,01 | 39,94 |
| **14ДК1** | Оп.реб. | 131,05 | 104,84 | 87,37 | 74,89 | 65,53 | 58,24 | 52,42 | 47,65 | 43,68 | 37,44 | 32,76 | 29,12 | 26,21 | 23,83 | 21,84 | 20,16 | 18,72 |
| **14ДК2** | Оп.реб. | 172,25 | 137,80 | 114,83 | 98,43 | 86,12 | 76,55 | 68,90 | 62,64 | 57,42 | 49,21 | 43,06 | 38,28 | 34,45 | 31,32 | 28,71 | 26,50 | 24,61 |
| **14ДК3** | Оп.реб. | 338,74 | 270,99 | 225,83 | 193,57 | 169,37 | 150,55 | 135,50 | 123,18 | 112,91 | 96,78 | 84,69 | 75,28 | 67,75 | 61,59 | 56,46 | 52,11 | 48,39 |
| **15ДК1** | 211,93 | 158,95 | 127,16 | 105,97 | 90,83 | 79,47 | 70,64 | 63,58 | 57,80 | 52,98 | 45,41 | 39,74 | 35,32 | 31,79 | 28,90 | 26,49 | 24,45 | 22,71 |
| **15ДК2** | Оп.реб. | 185,61 | 148,49 | 123,74 | 106,06 | 92,81 | 82,49 | 74,24 | 67,49 | 61,87 | 53,03 | 46,40 | 41,25 | 37,12 | 33,75 | 30,94 | 28,56 | 26,52 |
| **15ДК3** | Оп.реб. | 232,16 | 185,73 | 154,78 | 132,67 | 116,08 | 103,18 | 92,87 | 84,42 | 77,39 | 66,33 | 58,04 | 51,59 | 46,43 | 42,21 | 38,69 | 35,72 | 33,17 |
| **16ДК1** | Оп.реб. | 163,87 | 131,10 | 109,25 | 93,64 | 81,94 | 72,83 | 65,55 | 59,59 | 54,62 | 46,82 | 40,97 | 36,42 | 32,77 | 29,80 | 27,31 | 25,21 | 23,41 |
| **16ДК2** | Оп.реб. | 225,40 | 180,32 | 150,27 | 128,80 | 112,70 | 100,18 | 90,16 | 81,96 | 75,13 | 64,40 | 56,35 | 50,09 | 45,08 | 40,98 | 37,57 | 34,68 | 32,20 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



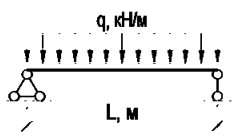



Таблица 6.4.2

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *у-у*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **16ДК3** | Оп.реб. | 411,16 | 328,93 | 274,11 | 234,95 | 205,58 | 182,74 | 164,46 | 149,51 | 137,05 | 117,47 | 102,79 | 91,37 | 82,23 | 74,76 | 68,53 | 63,26 | 58,74 |
| **18ДК1** | Оп.реб. | Оп.реб. | 148,42 | 123,68 | 106,02 | 92,76 | 82,46 | 74,21 | 67,46 | 61,84 | 53,01 | 46,38 | 41,23 | 37,11 | 33,73 | 30,92 | 28,54 | 26,50 |
| **18ДК2** | Оп.реб. | Оп.реб. | 211,96 | 176,63 | 151,40 | 132,47 | 117,75 | 105,98 | 96,34 | 88,31 | 75,70 | 66,24 | 58,88 | 52,99 | 48,17 | 44,16 | 40,76 | 37,85 |
| **18ДК3** | Оп.реб. | Оп.реб. | 381,82 | 318,18 | 272,73 | 238,64 | 212,12 | 190,91 | 173,55 | 159,09 | 136,36 | 119,32 | 106,06 | 95,46 | 86,78 | 79,55 | 73,43 | 68,18 |
| **20ДК1** | Оп.реб. | Оп.реб. | 211,44 | 176,20 | 151,03 | 132,15 | 117,47 | 105,72 | 96,11 | 88,10 | 75,51 | 66,07 | 58,73 | 52,86 | 48,05 | 44,05 | 40,66 | 37,76 |
| **20ДК2** | Оп.реб. | Оп.реб. | 234,14 | 195,12 | 167,24 | 146,34 | 130,08 | 117,07 | 106,43 | 97,56 | 83,62 | 73,17 | 65,04 | 58,54 | 53,21 | 48,78 | 45,03 | 41,81 |
| **20ДК3** | Оп.реб. | Оп.реб. | 272,83 | 227,36 | 194,88 | 170,52 | 151,57 | 136,41 | 124,01 | 113,68 | 97,44 | 85,26 | 75,79 | 68,21 | 62,01 | 56,84 | 52,47 | 48,72 |
| **20ДК4** | Оп.реб. | Оп.реб. | Оп.реб. | 259,52 | 222,44 | 194,64 | 173,01 | 155,71 | 141,56 | 129,76 | 111,22 | 97,32 | 86,51 | 77,86 | 70,78 | 64,88 | 59,89 | 55,61 |
| **20ДК5** | Оп.реб. | Оп.реб. | 390,13 | 325,11 | 278,66 | 243,83 | 216,74 | 195,06 | 177,33 | 162,55 | 139,33 | 121,91 | 108,37 | 97,53 | 88,67 | 81,28 | 75,02 | 69,67 |
| **20ДК6** | Оп.реб. | Оп.реб. | 444,36 | 370,30 | 317,40 | 277,72 | 246,87 | 222,18 | 201,98 | 185,15 | 158,70 | 138,86 | 123,43 | 111,09 | 100,99 | 92,57 | 85,45 | 79,35 |
| **25ДК1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 225,12 | 196,98 | 175,09 | 157,58 | 143,26 | 131,32 | 112,56 | 98,49 | 87,55 | 78,79 | 71,63 | 65,66 | 60,61 | 56,28 |
| **25ДК2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 247,79 | 216,82 | 192,72 | 173,45 | 157,68 | 144,54 | 123,89 | 108,41 | 96,36 | 86,73 | 78,84 | 72,27 | 66,71 | 61,95 |
| **25ДК3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 284,49 | 248,93 | 221,27 | 199,15 | 181,04 | 165,96 | 142,25 | 124,47 | 110,64 | 99,57 | 90,52 | 82,98 | 76,59 | 71,12 |
| **25ДК4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 318,96 | 279,09 | 248,08 | 223,27 | 202,97 | 186,06 | 159,48 | 139,55 | 124,04 | 111,64 | 101,49 | 93,03 | 85,87 | 79,74 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м **в плоскости с большей жёсткостью *у-у*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса** | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| | **Тип Б - Балочные нормальные двутавры** | | | | | | | | | | | | | | | | | |
| 10Б1 | 104,590 | 78,442 | 62,754 | 52,295 | 44,824 | 39,221 | 34,863 | 31,377 | 28,524 | 26,147 | 22,412 | 19,611 | 17,432 | 15,688 | 14,262 | 13,074 | 12,068 | 11,206 |
| 12Б1 | 115,233 | 86,425 | 69,140 | 57,617 | 49,386 | 43,213 | 38,411 | 34,570 | 31,427 | 28,808 | 24,693 | 21,606 | 19,206 | 17,285 | 15,714 | 14,404 | 13,296 | 12,346 |
| 12Б2 | 135,328 | 101,496 | 81,197 | 67,664 | 57,998 | 50,748 | 45,109 | 40,598 | 36,908 | 33,832 | 28,999 | 25,374 | 22,555 | 20,299 | 18,454 | 16,916 | 15,615 | 14,499 |
| 14Б1 | 135,644 | 101,733 | 81,386 | 67,822 | 58,133 | 50,866 | 45,215 | 40,693 | 36,994 | 33,911 | 29,067 | 25,433 | 22,607 | 20,347 | 18,497 | 16,955 | 15,651 | 14,533 |
| 14Б2 | 169,237 | 126,928 | 101,542 | 84,618 | 72,530 | 63,464 | 56,412 | 50,771 | 46,155 | 42,309 | 36,265 | 31,732 | 28,206 | 25,386 | 23,078 | 21,155 | 19,527 | 18,133 |
| 16Б1 | 163,517 | 122,638 | 98,110 | 81,758 | 70,079 | 61,319 | 54,506 | 49,055 | 44,595 | 40,879 | 35,039 | 30,659 | 27,253 | 24,528 | 22,298 | 20,440 | 18,867 | 17,520 |
| 16Б2 | 206,245 | 154,684 | 123,747 | 103,123 | 88,391 | 77,342 | 68,748 | 61,874 | 56,249 | 51,561 | 44,195 | 38,671 | 34,374 | 30,937 | 28,124 | 25,781 | 23,798 | 22,098 |
| 18Б1 | 198,479 | 148,859 | 119,087 | 99,239 | 85,062 | 74,429 | 66,160 | 59,544 | 54,131 | 49,620 | 42,531 | 37,215 | 33,080 | 29,772 | 27,065 | 24,810 | 22,901 | 21,266 |
| 18Б2 | 246,504 | 184,878 | 147,902 | 123,252 | 105,644 | 92,439 | 82,168 | 73,951 | 67,228 | 61,626 | 52,822 | 46,219 | 41,084 | 36,976 | 33,614 | 30,813 | 28,443 | 26,411 |
| 20Б0 | 232,694 | 174,521 | 139,616 | 116,347 | 99,726 | 87,260 | 77,565 | 69,808 | 63,462 | 58,174 | 49,863 | 43,630 | 38,782 | 34,904 | 31,731 | 29,087 | 26,849 | 24,932 |
| 20Б1 | 284,619 | 213,464 | 170,771 | 142,310 | 121,980 | 106,732 | 94,873 | 85,386 | 77,623 | 71,155 | 60,990 | 53,366 | 47,437 | 42,693 | 38,812 | 35,577 | 32,841 | 30,495 |
| 20Б2 | 339,036 | 254,277 | 203,422 | 169,518 | 145,301 | 127,139 | 113,012 | 101,711 | 92,464 | 84,759 | 72,651 | 63,569 | 56,506 | 50,855 | 46,232 | 42,380 | 39,120 | 36,325 |
| 20Б3 | 412,081 | 309,061 | 247,249 | 206,041 | 176,606 | 154,530 | 137,360 | 123,624 | 112,386 | 103,020 | 88,303 | 77,265 | 68,680 | 61,812 | 56,193 | 51,510 | 47,548 | 44,152 |
| 25Б1 | Оп.реб. | 244,107 | 195,285 | 162,738 | 139,490 | 122,053 | 108,492 | 97,643 | 88,766 | 81,369 | 69,745 | 61,027 | 54,246 | 48,821 | 44,383 | 40,684 | 37,555 | 34,872 |
| 25Б2 | Оп.реб. | 292,899 | 234,319 | 195,266 | 167,371 | 146,450 | 130,177 | 117,160 | 106,509 | 97,633 | 83,686 | 73,225 | 65,089 | 58,580 | 53,254 | 48,817 | 45,061 | 41,843 |
| 25Б3 | Оп.реб. | 360,476 | 288,381 | 240,317 | 205,986 | 180,238 | 160,212 | 144,190 | 131,082 | 120,159 | 102,993 | 90,119 | 80,106 | 72,095 | 65,541 | 60,079 | 55,458 | 51,497 |
| 25Б4 | Оп.реб. | 437,290 | 349,832 | 291,527 | 249,880 | 218,645 | 194,351 | 174,916 | 159,015 | 145,763 | 124,940 | 109,322 | 97,176 | 87,458 | 79,507 | 72,882 | 67,275 | 62,470 |
| 30Б1 | Оп.реб. | 322,441 | 257,953 | 214,961 | 184,252 | 161,221 | 143,307 | 128,976 | 117,251 | 107,480 | 92,126 | 80,610 | 71,654 | 64,488 | 58,626 | 53,740 | 49,606 | 46,063 |
| 30Б2 | Оп.реб. | 381,022 | 304,818 | 254,015 | 217,727 | 190,511 | 169,343 | 152,409 | 138,554 | 127,007 | 108,863 | 95,256 | 84,672 | 76,204 | 69,277 | 63,504 | 58,619 | 54,432 |
| 30Б3 | Оп.реб. | 461,389 | 369,111 | 307,593 | 263,651 | 230,695 | 205,062 | 184,556 | 167,778 | 153,796 | 131,826 | 115,347 | 102,531 | 92,278 | 83,889 | 76,898 | 70,983 | 65,913 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

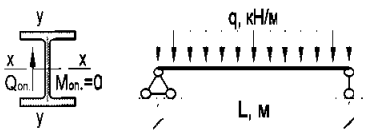


Таблица 6.4.2

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **30Б4** | Оп.реб. | 553,249 | 442,600 | 368,833 | 316,143 | 276,625 | 245,889 | 221,300 | 201,182 | 184,416 | 158,071 | 138,312 | 122,944 | 110,650 | 100,591 | 92,208 | 85,115 | 79,036 |
| **35Б1** | Оп.реб. | Оп.реб. | 327,769 | 273,141 | 234,121 | 204,856 | 182,094 | 163,885 | 148,986 | 136,570 | 117,060 | 102,428 | 91,047 | 81,942 | 74,493 | 68,285 | 63,033 | 58,530 |
| **35Б2** | Оп.реб. | Оп.реб. | 375,488 | 312,907 | 268,206 | 234,680 | 208,604 | 187,744 | 170,676 | 156,453 | 134,103 | 117,340 | 104,302 | 93,872 | 85,338 | 78,227 | 72,209 | 67,051 |
| **35Б3** | Оп.реб. | Оп.реб. | 459,414 | 382,845 | 328,153 | 287,134 | 255,230 | 229,707 | 208,824 | 191,422 | 164,076 | 143,567 | 127,615 | 114,853 | 104,412 | 95,711 | 88,349 | 82,038 |
| **35Б4** | Оп.реб. | Оп.реб. | 546,356 | 455,297 | 390,254 | 341,472 | 303,531 | 273,178 | 248,344 | 227,648 | 195,127 | 170,736 | 151,766 | 136,589 | 124,172 | 113,824 | 105,068 | 97,564 |
| **40Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 355,509 | 304,722 | 266,631 | 237,006 | 213,305 | 193,914 | 177,754 | 152,361 | 133,316 | 118,503 | 106,653 | 96,957 | 88,877 | 82,040 | 76,180 |
| **40Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 409,128 | 350,681 | 306,846 | 272,752 | 245,477 | 223,161 | 204,564 | 175,341 | 153,423 | 136,376 | 122,738 | 111,580 | 102,282 | 94,414 | 87,670 |
| **40Б3** | Оп.реб. | Оп.реб. | Оп.реб. | 490,471 | 420,403 | 367,853 | 326,980 | 294,282 | 267,529 | 245,235 | 210,202 | 183,927 | 163,490 | 147,141 | 133,765 | 122,618 | 113,186 | 105,101 |
| **40Б4** | Оп.реб. | Оп.реб. | Оп.реб. | 573,014 | 491,155 | 429,761 | 382,010 | 343,809 | 312,553 | 286,507 | 245,578 | 214,880 | 191,005 | 171,904 | 156,277 | 143,254 | 132,234 | 122,789 |
| **45Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 452,998 | 388,284 | 339,749 | 301,999 | 271,799 | 247,090 | 226,499 | 194,142 | 169,874 | 150,999 | 135,899 | 123,545 | 113,250 | 104,538 | 97,071 |
| **45Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 513,039 | 439,748 | 384,780 | 342,026 | 307,824 | 279,840 | 256,520 | 219,874 | 192,390 | 171,013 | 153,912 | 139,920 | 128,260 | 118,394 | 109,937 |
| **45Б3** | Оп.реб. | Оп.реб. | Оп.реб. | 603,972 | 517,690 | 452,979 | 402,648 | 362,383 | 329,439 | 301,986 | 258,845 | 226,489 | 201,324 | 181,192 | 164,720 | 150,993 | 139,378 | 129,423 |
| **45Б4** | Оп.реб. | Оп.реб. | Оп.реб. | 696,070 | 596,631 | 522,053 | 464,047 | 417,642 | 379,675 | 348,035 | 298,316 | 261,026 | 232,023 | 208,821 | 189,837 | 174,018 | 160,632 | 149,158 |
| **50Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 543,482 | 465,842 | 407,611 | 362,321 | 326,089 | 296,445 | 271,741 | 232,921 | 203,806 | 181,161 | 163,045 | 148,222 | 135,870 | 125,419 | 116,460 |
| **50Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 563,194 | 482,738 | 422,396 | 375,463 | 337,916 | 307,197 | 281,597 | 241,369 | 211,198 | 187,731 | 168,958 | 153,598 | 140,799 | 129,968 | 120,684 |
| **50Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 539,477 | 472,042 | 419,593 | 377,634 | 343,303 | 314,695 | 269,738 | 236,021 | 209,796 | 188,817 | 171,652 | 157,347 | 145,244 | 134,869 |
| **50Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 654,085 | 572,324 | 508,733 | 457,859 | 416,236 | 381,549 | 327,042 | 286,162 | 254,366 | 228,930 | 208,118 | 190,775 | 176,100 | 163,521 |
| **50Б5** | Оп.реб. | Оп.реб. | Оп.реб. | 958,184 | 821,300 | 718,638 | 638,789 | 574,910 | 522,646 | 479,092 | 410,650 | 359,319 | 319,395 | 287,455 | 261,323 | 239,546 | 221,119 | 205,325 |
| **55Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 556,789 | 487,191 | 433,058 | 389,753 | 354,320 | 324,794 | 278,395 | 243,595 | 216,529 | 194,876 | 177,160 | 162,397 | 149,905 | 139,197 |
| **55Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 591,566 | 517,620 | 460,107 | 414,096 | 376,451 | 345,080 | 295,783 | 258,810 | 230,053 | 207,048 | 188,225 | 172,540 | 159,268 | 147,891 |
| **55Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 713,021 | 623,893 | 554,572 | 499,115 | 453,741 | 415,929 | 356,511 | 311,947 | 277,286 | 249,557 | 226,870 | 207,964 | 191,967 | 178,255 |
| **55Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 837,871 | 733,137 | 651,677 | 586,509 | 533,190 | 488,758 | 418,935 | 366,568 | 325,839 | 293,255 | 266,595 | 244,379 | 225,581 | 209,468 |
| **60Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 635,792 | 556,318 | 494,505 | 445,055 | 404,595 | 370,879 | 317,896 | 278,159 | 247,253 | 222,527 | 202,298 | 185,439 | 171,175 | 158,948 |
| **60Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 703,116 | 615,226 | 546,868 | 492,181 | 447,437 | 410,151 | 351,558 | 307,613 | 273,434 | 246,091 | 223,719 | 205,075 | 189,300 | 175,779 |
| **60Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 800,310 | 700,271 | 622,463 | 560,217 | 509,288 | 466,847 | 400,155 | 350,135 | 311,231 | 280,108 | 254,644 | 233,424 | 215,468 | 200,077 |
| **60Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 966,688 | 845,852 | 751,868 | 676,681 | 615,165 | 563,901 | 483,344 | 422,926 | 375,934 | 338,341 | 307,582 | 281,951 | 260,262 | 241,672 |
| **70Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 884,575 | 774,003 | 688,003 | 619,203 | 562,912 | 516,002 | 442,288 | 387,002 | 344,001 | 309,601 | 281,456 | 258,001 | 238,155 | 221,144 |
| **70Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 847,938 | 753,723 | 678,350 | 616,682 | 565,292 | 484,536 | 423,969 | 376,861 | 339,175 | 308,341 | 282,646 | 260,904 | 242,268 |
| **70Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 950,123 | 844,554 | 760,098 | 690,998 | 633,415 | 542,927 | 475,061 | 422,277 | 380,049 | 345,499 | 316,708 | 292,345 | 271,464 |
| **70Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1120,975 | 996,423 | 896,780 | 815,255 | 747,317 | 640,557 | 560,488 | 498,211 | 448,390 | 407,627 | 373,658 | 344,916 | 320,279 |
| | Тип Ш - Балочные широкополочные **двутавры** | | | | | | | | | | | | | | | | | |
| **20Ш0** | Оп.реб. | 189,445 | 151,556 | 126,297 | 108,254 | 94,723 | 84,198 | 75,778 | 68,889 | 63,148 | 54,127 | 47,361 | 42,099 | 37,889 | 34,445 | 31,574 | 29,145 | 27,064 |
| **20Ш1** | Оп.реб. | 230,549 | 184,439 | 153,699 | 131,742 | 115,275 | 102,466 | 92,220 | 83,836 | 76,850 | 65,871 | 57,637 | 51,233 | 46,110 | 41,918 | 38,425 | 35,469 | 32,936 |
| **20Ш2** | Оп.реб. | 284,667 | 227,734 | 189,778 | 162,667 | 142,334 | 126,519 | 113,867 | 103,515 | 94,889 | 81,333 | 71,167 | 63,259 | 56,933 | 51,758 | 47,445 | 43,795 | 40,667 |
| **20Ш3** | Оп.реб. | 346,442 | 277,154 | 230,962 | 197,967 | 173,221 | 153,974 | 138,577 | 125,979 | 115,481 | 98,984 | 86,611 | 76,987 | 69,288 | 62,990 | 57,740 | 53,299 | 49,492 |
| **20Ш4** | Оп.реб. | 432,132 | 345,705 | 288,088 | 246,932 | 216,066 | 192,059 | 172,853 | 157,139 | 144,044 | 123,466 | 108,033 | 96,029 | 86,426 | 78,569 | 72,022 | 66,482 | 61,733 |
| **20Ш5** | Оп.реб. | 520,820 | 416,656 | 347,213 | 297,612 | 260,410 | 231,476 | 208,328 | 189,389 | 173,607 | 148,806 | 130,205 | 115,738 | 104,164 | 94,695 | 86,803 | 80,126 | 74,403 |
| **20Ш6** | Оп.реб. | 658,412 | 526,729 | 438,941 | 376,235 | 329,206 | 292,627 | 263,365 | 239,422 | 219,471 | 188,118 | 164,603 | 146,314 | 131,682 | 119,711 | 109,735 | 101,294 | 94,059 |
| **25Ш0** | Оп.реб. | Оп.реб. | 229,474 | 191,228 | 163,910 | 143,421 | 127,485 | 114,737 | 104,306 | 95,614 | 81,955 | 71,711 | 63,743 | 57,368 | 52,153 | 47,807 | 44,130 | 40,977 |
| **25Ш1** | Оп.реб. | Оп.реб. | 263,485 | 219,571 | 188,204 | 164,678 | 146,381 | 131,743 | 119,766 | 109,786 | 94,102 | 82,339 | 73,190 | 65,871 | 59,883 | 54,893 | 50,670 | 47,051 |
| **25Ш2** | Оп.реб. | Оп.реб. | 323,503 | 269,586 | 231,073 | 202,189 | 179,724 | 161,751 | 147,047 | 134,793 | 115,537 | 101,095 | 89,862 | 80,876 | 73,523 | 67,396 | 62,212 | 57,768 |
| **25Ш3** | Оп.реб. | Оп.реб. | 405,931 | 338,275 | 289,950 | 253,707 | 225,517 | 202,965 | 184,514 | 169,138 | 144,975 | 126,853 | 112,758 | 101,483 | 92,257 | 84,569 | 78,064 | 72,488 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

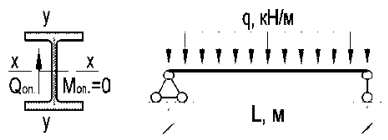


Таблица 6.4.2

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25Ш4 | Оп.реб. | Оп.реб. | 511,616 | 426,347 | 365,440 | 319,760 | 284,231 | 255,808 | 232,553 | 213,173 | 182,720 | 159,880 | 142,116 | 127,904 | 116,276 | 106,587 | 98,388 | 91,360 |
| 25Ш5 | Оп.реб. | Оп.реб. | 643,326 | 536,105 | 459,519 | 402,079 | 357,404 | 321,663 | 292,421 | 268,053 | 229,759 | 201,040 | 178,702 | 160,832 | 146,211 | 134,026 | 123,717 | 114,880 |
| 25Ш6 | Оп.реб. | Оп.реб. | 763,619 | 636,349 | 545,442 | 477,262 | 424,233 | 381,810 | 347,100 | 318,175 | 272,721 | 238,631 | 212,116 | 190,905 | 173,550 | 159,087 | 146,850 | 136,361 |
| 30Ш0 | Оп.реб. | Оп.реб. | 322,756 | 268,963 | 230,540 | 201,722 | 179,309 | 161,378 | 146,707 | 134,482 | 115,270 | 100,861 | 89,654 | 80,689 | 73,354 | 67,241 | 62,068 | 57,635 |
| 30Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 302,136 | 258,974 | 226,602 | 201,424 | 181,282 | 164,802 | 151,068 | 129,487 | 113,301 | 100,712 | 90,641 | 82,401 | 75,534 | 69,724 | 64,744 |
| 30Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | 345,306 | 295,976 | 258,979 | 230,204 | 207,183 | 188,348 | 172,653 | 147,988 | 129,490 | 115,102 | 103,592 | 94,174 | 86,326 | 79,686 | 73,994 |
| 30Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | 426,136 | 365,260 | 319,602 | 284,091 | 255,682 | 232,438 | 213,068 | 182,630 | 159,801 | 142,045 | 127,841 | 116,219 | 106,534 | 98,339 | 91,315 |
| 30Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | 511,755 | 438,647 | 383,817 | 341,170 | 307,053 | 279,139 | 255,878 | 219,324 | 191,908 | 170,585 | 153,527 | 139,570 | 127,939 | 118,097 | 109,662 |
| 30Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | 644,212 | 552,182 | 483,159 | 429,475 | 386,527 | 351,389 | 322,106 | 276,091 | 241,580 | 214,737 | 193,264 | 175,694 | 161,053 | 148,664 | 138,046 |
| 30Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | 806,511 | 691,295 | 604,883 | 537,674 | 483,906 | 439,915 | 403,255 | 345,647 | 302,442 | 268,837 | 241,953 | 219,957 | 201,628 | 186,118 | 172,824 |
| 35Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 346,106 | 296,663 | 259,580 | 230,738 | 207,664 | 188,785 | 173,053 | 148,331 | 129,790 | 115,369 | 103,832 | 94,393 | 86,527 | 79,871 | 74,166 |
| 35Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 338,844 | 296,489 | 263,546 | 237,191 | 215,628 | 197,659 | 169,422 | 148,244 | 131,773 | 118,596 | 107,814 | 98,830 | 91,227 | 84,711 |
| 35Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 419,023 | 366,645 | 325,907 | 293,316 | 266,651 | 244,430 | 209,512 | 183,323 | 162,953 | 146,658 | 133,326 | 122,215 | 112,814 | 104,756 |
| 35Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 500,896 | 438,284 | 389,586 | 350,627 | 318,752 | 292,189 | 250,448 | 219,142 | 194,793 | 175,313 | 159,376 | 146,095 | 134,857 | 125,224 |
| 35Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 626,293 | 548,006 | 487,116 | 438,405 | 398,550 | 365,337 | 313,146 | 274,003 | 243,558 | 219,202 | 199,275 | 182,669 | 168,617 | 156,573 |
| 35Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 738,100 | 645,837 | 574,078 | 516,670 | 469,700 | 430,558 | 369,050 | 322,919 | 287,039 | 258,335 | 234,850 | 215,279 | 198,719 | 184,525 |
| 35Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 916,486 | 801,925 | 712,822 | 641,540 | 583,218 | 534,617 | 458,243 | 400,963 | 356,411 | 320,770 | 291,609 | 267,308 | 246,746 | 229,121 |
| 40Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 404,152 | 353,633 | 314,341 | 282,907 | 257,188 | 235,756 | 202,076 | 176,817 | 157,170 | 141,453 | 128,594 | 117,878 | 108,810 | 101,038 |
| 40Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 379,328 | 337,180 | 303,462 | 275,875 | 252,885 | 216,759 | 189,664 | 168,590 | 151,731 | 137,937 | 126,443 | 116,716 | 108,379 |
| 40Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 459,767 | 408,682 | 367,814 | 334,376 | 306,512 | 262,724 | 229,884 | 204,341 | 183,907 | 167,188 | 153,256 | 141,467 | 131,362 |
| 40Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 562,681 | 500,161 | 450,145 | 409,223 | 375,121 | 321,532 | 281,341 | 250,081 | 225,073 | 204,611 | 187,560 | 173,133 | 160,766 |
| 40Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 691,358 | 614,540 | 553,086 | 502,806 | 460,905 | 395,062 | 345,679 | 307,270 | 276,543 | 251,403 | 230,453 | 212,725 | 197,531 |
| 40Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 820,019 | 728,906 | 656,015 | 596,377 | 546,679 | 468,582 | 410,009 | 364,453 | 328,007 | 298,189 | 273,340 | 252,313 | 234,291 |
| 40Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 997,984 | 887,097 | 798,387 | 725,806 | 665,322 | 570,276 | 498,992 | 443,548 | 399,193 | 362,903 | 332,661 | 307,072 | 285,138 |
| 45Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 421,141 | 374,348 | 336,913 | 306,285 | 280,761 | 240,652 | 210,571 | 187,174 | 168,457 | 153,142 | 140,380 | 129,582 | 120,326 |
| 45Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 416,480 | 374,832 | 340,756 | 312,360 | 267,737 | 234,270 | 208,240 | 187,416 | 170,378 | 156,180 | 144,166 | 133,868 |
| 45Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 557,277 | 495,358 | 445,822 | 405,293 | 371,518 | 318,444 | 278,639 | 247,679 | 222,911 | 202,646 | 185,759 | 171,470 | 159,222 |
| 45Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 647,254 | 575,337 | 517,804 | 470,731 | 431,503 | 369,860 | 323,627 | 287,669 | 258,902 | 235,365 | 215,751 | 199,155 | 184,930 |
| 45Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 789,518 | 701,794 | 631,614 | 574,195 | 526,345 | 451,153 | 394,759 | 350,897 | 315,807 | 287,097 | 263,173 | 242,929 | 225,577 |
| 45Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 808,973 | 728,076 | 661,887 | 606,730 | 520,054 | 455,047 | 404,487 | 364,038 | 330,944 | 303,365 | 280,029 | 260,027 |
| 45Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 982,313 | 884,081 | 803,710 | 736,734 | 631,487 | 552,551 | 491,156 | 442,041 | 401,855 | 368,367 | 340,031 | 315,743 |
| 50Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 510,554 | 453,826 | 408,443 | 371,312 | 340,369 | 291,745 | 255,277 | 226,913 | 204,222 | 185,656 | 170,185 | 157,094 | 145,873 |
| 50Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 766,701 | 670,863 | 596,323 | 536,691 | 487,900 | 447,242 | 383,350 | 335,432 | 298,161 | 268,345 | 243,950 | 223,621 | 206,419 | 191,675 |
| 50Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 829,173 | 725,527 | 644,912 | 580,421 | 527,656 | 483,684 | 414,587 | 362,763 | 322,456 | 290,211 | 263,828 | 241,842 | 223,239 | 207,293 |
| 50Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 780,440 | 693,724 | 624,352 | 567,592 | 520,293 | 445,965 | 390,220 | 346,862 | 312,176 | 283,796 | 260,147 | 240,135 | 222,983 |
| 50Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 908,916 | 807,926 | 727,133 | 661,030 | 605,944 | 519,381 | 454,458 | 403,963 | 363,567 | 330,515 | 302,972 | 279,667 | 259,690 |
| 50Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1036,929 | 921,714 | 829,543 | 754,130 | 691,286 | 592,531 | 518,464 | 460,857 | 414,771 | 377,065 | 345,643 | 319,055 | 296,265 |
| 50Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1245,033 | 1106,696 | 996,027 | 905,479 | 830,022 | 711,448 | 622,517 | 553,348 | 498,013 | 452,739 | 415,011 | 383,087 | 355,724 |
| 50Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1463,679 | 1301,048 | 1170,943 | 1064,494 | 975,786 | 836,388 | 731,840 | 650,524 | 585,472 | 532,247 | 487,893 | 450,363 | 418,194 |
| 60Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 667,488 | 593,323 | 533,990 | 485,446 | 444,992 | 381,422 | 333,744 | 296,661 | 266,995 | 242,723 | 222,496 | 205,381 | 190,711 |
| 60Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 888,327 | 789,624 | 710,661 | 646,056 | 592,218 | 507,615 | 444,163 | 394,812 | 355,331 | 323,028 | 296,109 | 273,331 | 253,808 |
| 60Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1009,779 | 897,581 | 807,823 | 734,385 | 673,186 | 577,016 | 504,889 | 448,791 | 403,911 | 367,192 | 336,593 | 310,701 | 288,508 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

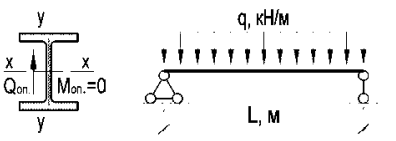


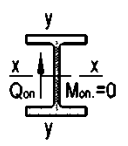
Таблица 6.4.2

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **60Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1132,607 | 1006,762 | 906,085 | 823,714 | 755,071 | 647,204 | 566,303 | 503,381 | 453,043 | 411,857 | 377,536 | 348,494 | 323,602 |
| **60Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1282,199 | 1139,732 | 1025,759 | 932,508 | 854,799 | 732,685 | 641,099 | 569,866 | 512,879 | 466,254 | 427,400 | 394,523 | 366,342 |
| **60Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1529,373 | 1359,443 | 1223,498 | 1112,271 | 1019,582 | 873,927 | 764,687 | 679,721 | 611,749 | 556,136 | 509,791 | 470,576 | 436,964 |
| **60Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1779,038 | 1581,367 | 1423,230 | 1293,846 | 1186,025 | 1016,593 | 889,519 | 790,683 | 711,615 | 646,923 | 593,013 | 547,396 | 508,297 |
| **60Ш8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1872,269 | 1685,042 | 1531,857 | 1404,202 | 1203,602 | 1053,151 | 936,135 | 842,521 | 765,928 | 702,101 | 648,093 | 601,801 |
| **70Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 759,634 | 683,670 | 621,518 | 569,725 | 488,336 | 427,294 | 379,817 | 341,835 | 310,759 | 284,863 | 262,950 | 244,168 |
| **70Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 879,528 | 791,576 | 719,614 | 659,646 | 565,411 | 494,735 | 439,764 | 395,788 | 359,807 | 329,823 | 304,452 | 282,706 |
| **70Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1061,157 | 955,041 | 868,219 | 795,868 | 682,172 | 596,901 | 530,578 | 477,521 | 434,110 | 397,934 | 367,323 | 341,086 |
| **70Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1182,438 | 1064,195 | 967,450 | 886,829 | 760,139 | 665,122 | 591,219 | 532,097 | 483,725 | 443,414 | 409,306 | 380,069 |
| **70Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1338,500 | 1204,650 | 1095,136 | 1003,875 | 860,464 | 752,906 | 669,250 | 602,325 | 547,568 | 501,937 | 463,327 | 430,232 |
| **70Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1594,960 | 1435,464 | 1304,967 | 1196,220 | 1025,332 | 897,165 | 797,480 | 717,732 | 652,484 | 598,110 | 552,102 | 512,666 |
| **70Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1916,428 | 1724,786 | 1567,987 | 1437,321 | 1231,990 | 1077,991 | 958,214 | 862,393 | 783,993 | 718,661 | 663,379 | 615,995 |
| **70Ш8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб | 2249,408 | 2024,467 | 1840,424 | 1687,056 | 1446,048 | 1265,292 | 1124,704 | 1012,233 | 920,212 | 843,528 | 778,641 | 723,024 |
| | **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | |
| **15К1** | Оп.реб. | 174,409 | 139,527 | 116,273 | 99,662 | 87,205 | 77,515 | 69,764 | 63,422 | 58,136 | 49,831 | 43,602 | 38,758 | 34,882 | 31,711 | 29,068 | 26,832 | 24,916 |
| **15К2** | Оп.реб. | 205,807 | 164,645 | 137,204 | 117,604 | 102,903 | 91,470 | 82,323 | 74,839 | 68,602 | 58,802 | 51,452 | 45,735 | 41,161 | 37,419 | 34,301 | 31,663 | 29,401 |
| **15К3** | Оп.реб. | 248,104 | 198,483 | 165,403 | 141,774 | 124,052 | 110,268 | 99,242 | 90,220 | 82,701 | 70,887 | 62,026 | 55,134 | 49,621 | 45,110 | 41,351 | 38,170 | 35,443 |
| **15К4** | Оп.реб. | 297,473 | 237,979 | 198,316 | 169,985 | 148,737 | 132,210 | 118,989 | 108,172 | 99,158 | 84,992 | 74,368 | 66,105 | 59,495 | 54,086 | 49,579 | 45,765 | 42,496 |
| **15К5** | Оп.реб. | 364,736 | 291,788 | 243,157 | 208,420 | 182,368 | 162,105 | 145,894 | 132,631 | 121,579 | 104,210 | 91,184 | 81,052 | 72,947 | 66,316 | 60,789 | 56,113 | 52,105 |
| **20К1** | Оп.реб. | Оп.реб. | 203,682 | 169,735 | 145,487 | 127,302 | 113,157 | 101,841 | 92,583 | 84,868 | 72,744 | 63,651 | 56,578 | 50,921 | 46,291 | 42,434 | 39,170 | 36,372 |
| **20К2** | Оп.реб. | Оп.реб. | 246,494 | 205,412 | 176,067 | 154,059 | 136,941 | 123,247 | 112,043 | 102,706 | 88,034 | 77,029 | 68,471 | 61,624 | 56,021 | 51,353 | 47,403 | 44,017 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **20К3** | Оп.реб. | Оп.реб. | 280,736 | 233,947 | 200,526 | 175,460 | 155,965 | 140,368 | 127,607 | 116,973 | 100,263 | 87,730 | 77,982 | 70,184 | 63,804 | 58,487 | 53,988 | 50,131 |
| **20К4** | Оп.реб. | Оп.реб. | 333,301 | 277,750 | 238,072 | 208,313 | 185,167 | 166,650 | 151,500 | 138,875 | 119,036 | 104,156 | 92,583 | 83,325 | 75,750 | 69,438 | 64,096 | 59,518 |
| **20К5** | Оп.реб. | Оп.реб. | 384,694 | 320,579 | 274,782 | 240,434 | 213,719 | 192,347 | 174,861 | 160,289 | 137,391 | 120,217 | 106,860 | 96,174 | 87,431 | 80,145 | 73,980 | 68,695 |
| **20К6** | Оп.реб. | Оп.реб. | 455,789 | 379,824 | 325,564 | 284,868 | 253,216 | 227,895 | 207,177 | 189,912 | 162,782 | 142,434 | 126,608 | 113,947 | 103,588 | 94,956 | 87,652 | 81,391 |
| **20К7** | Оп.реб. | Оп.реб. | 529,111 | 440,926 | 377,936 | 330,694 | 293,950 | 264,555 | 240,505 | 220,463 | 188,968 | 165,347 | 146,975 | 132,278 | 120,252 | 110,231 | 101,752 | 94,484 |
| **20К8** | Оп.реб. | Оп.реб. | 608,480 | 507,067 | 434,629 | 380,300 | 338,044 | 304,240 | 276,582 | 253,533 | 217,314 | 190,150 | 169,022 | 152,120 | 138,291 | 126,767 | 117,015 | 108,657 |
| **25К1** | Оп.реб. | Оп.реб. | Оп.реб. | 255,586 | 219,074 | 191,690 | 170,391 | 153,352 | 139,411 | 127,793 | 109,537 | 95,845 | 85,195 | 76,676 | 69,705 | 63,897 | 58,981 | 54,769 |
| **25К2** | Оп.реб. | Оп.реб. | Оп.реб. | 290,433 | 248,943 | 217,825 | 193,622 | 174,260 | 158,418 | 145,217 | 124,471 | 108,913 | 96,811 | 87,130 | 79,209 | 72,608 | 67,023 | 62,236 |
| **25К3** | Оп.реб. | Оп.реб. | Оп.реб. | 324,755 | 278,361 | 243,566 | 216,503 | 194,853 | 177,139 | 162,377 | 139,181 | 121,783 | 108,252 | 97,426 | 88,569 | 81,189 | 74,943 | 69,590 |
| **25К4** | Оп.реб. | Оп.реб. | Оп.реб. | 360,683 | 309,157 | 270,513 | 240,456 | 216,410 | 196,736 | 180,342 | 154,579 | 135,256 | 120,228 | 108,205 | 98,368 | 90,171 | 83,235 | 77,289 |
| **25К5** | Оп.реб. | Оп.реб. | Оп.реб. | 414,360 | 355,166 | 310,770 | 276,240 | 248,616 | 226,015 | 207,180 | 177,583 | 155,385 | 138,120 | 124,308 | 113,007 | 103,590 | 95,622 | 88,791 |
| **25К6** | Оп.реб. | Оп.реб. | Оп.реб. | 469,054 | 402,046 | 351,791 | 312,703 | 281,432 | 255,848 | 234,527 | 201,023 | 175,895 | 156,351 | 140,716 | 127,924 | 117,264 | 108,243 | 100,512 |
| **25К7** | Оп.реб. | Оп.реб. | Оп.реб. | 544,633 | 466,828 | 408,475 | 363,089 | 326,780 | 297,073 | 272,317 | 233,414 | 204,237 | 181,544 | 163,390 | 148,536 | 136,158 | 125,685 | 116,707 |
| **25К8** | Оп.реб. | Оп.реб. | Оп.реб. | 621,992 | 533,136 | 466,494 | 414,662 | 373,195 | 339,269 | 310,996 | 266,568 | 233,247 | 207,331 | 186,598 | 169,634 | 155,498 | 143,537 | 133,284 |
| **25К9** | Оп.реб. | Оп.реб. | Оп.реб. | 682,516 | 585,014 | 511,887 | 455,011 | 409,510 | 372,281 | 341,258 | 292,507 | 255,943 | 227,505 | 204,755 | 186,141 | 170,629 | 157,504 | 146,253 |
| **25К10** | Оп.реб. | Оп.реб. | Оп.реб. | 801,318 | 686,844 | 600,988 | 534,212 | 480,791 | 437,083 | 400,659 | 343,422 | 300,494 | 267,106 | 240,395 | 218,541 | 200,329 | 184,920 | 171,711 |
| **30К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 262,037 | 232,922 | 209,630 | 190,572 | 174,691 | 149,736 | 131,019 | 116,461 | 104,815 | 95,286 | 87,346 | 80,627 | 74,868 |
| **30К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 333,454 | 291,773 | 259,353 | 233,418 | 212,198 | 194,515 | 166,727 | 145,886 | 129,677 | 116,709 | 106,099 | 97,258 | 89,776 | 83,364 |
| **30К3** | Оп.реб. | Оп.реб. | 687,342 | 572,785 | 490,958 | 429,589 | 381,856 | 343,671 | 312,428 | 286,392 | 245,479 | 214,794 | 190,928 | 171,835 | 156,214 | 143,196 | 132,181 | 122,740 |
| **30К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 323,616 | 287,658 | 258,892 | 235,357 | 215,744 | 184,923 | 161,808 | 143,829 | 129,446 | 117,678 | 107,872 | 99,574 | 92,462 |
| **30К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 355,833 | 316,296 | 284,666 | 258,787 | 237,222 | 203,333 | 177,916 | 158,148 | 142,333 | 129,394 | 118,611 | 109,487 | 101,666 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



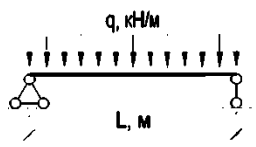



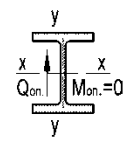
Таблица 6.4.2

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 388,524 | 345,354 | 310,819 | 282,563 | 259,016 | 222,013 | 194,262 | 172,677 | 155,409 | 141,281 | 129,508 | 119,546 | 111,007 |
| 30К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 436,043 | 387,594 | 348,834 | 317,122 | 290,695 | 249,167 | 218,021 | 193,797 | 174,417 | 158,561 | 145,348 | 134,167 | 124,584 |
| 30К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 390,118 | 351,106 | 319,188 | 292,589 | 250,790 | 219,441 | 195,059 | 175,553 | 159,594 | 146,294 | 135,041 | 125,395 |
| 30К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 435,394 | 391,855 | 356,232 | 326,546 | 279,896 | 244,909 | 217,697 | 195,927 | 178,116 | 163,273 | 150,713 | 139,948 |
| 30К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 494,829 | 445,346 | 404,860 | 371,122 | 318,104 | 278,341 | 247,414 | 222,673 | 202,430 | 185,561 | 171,287 | 159,052 |
| 30К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 540,428 | 486,385 | 442,168 | 405,321 | 347,418 | 303,990 | 270,214 | 243,192 | 221,084 | 202,660 | 187,071 | 173,709 |
| 30К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 601,889 | 541,700 | 492,455 | 451,417 | 386,929 | 338,563 | 300,945 | 270,850 | 246,227 | 225,709 | 208,346 | 193,464 |
| 30К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 667,597 | 600,837 | 546,216 | 500,698 | 429,170 | 375,523 | 333,799 | 300,419 | 273,108 | 250,349 | 231,091 | 214,585 |
| 30К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 852,947 | 758,175 | 682,358 | 620,325 | 568,632 | 487,399 | 426,474 | 379,088 | 341,179 | 310,163 | 284,316 | 262,445 | 243,699 |
| 30К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 960,107 | 853,429 | 768,086 | 698,260 | 640,071 | 548,633 | 480,054 | 426,714 | 384,043 | 349,130 | 320,036 | 295,418 | 274,316 |
| 30К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1074,269 | 954,906 | 859,415 | 781,287 | 716,179 | 613,868 | 537,134 | 477,453 | 429,708 | 390,643 | 358,090 | 330,544 | 306,934 |
| 30К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1191,860 | 1059,431 | 953,488 | 866,807 | 794,573 | 681,063 | 595,930 | 529,715 | 476,744 | 433,404 | 397,287 | 366,726 | 340,531 |
| 30К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1281,386 | 1139,009 | 1025,109 | 931,917 | 854,257 | 732,220 | 640,693 | 569,505 | 512,554 | 465,958 | 427,129 | 394,273 | 366,110 |
| 30К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1441,700 | 1281,511 | 1153,360 | 1048,509 | 961,133 | 823,828 | 720,850 | 640,755 | 576,680 | 524,254 | 480,567 | 443,600 | 411,914 |
| 30К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1612,402 | 1433,246 | 1289,921 | 1172,656 | 1074,934 | 921,372 | 806,201 | 716,623 | 644,961 | 586,328 | 537,467 | 496,124 | 460,686 |
| 30К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1784,047 | 1585,820 | 1427,238 | 1297,489 | 1189,365 | 1019,455 | 892,024 | 792,910 | 713,619 | 648,744 | 594,682 | 548,938 | 509,728 |
| 35К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 297,687 | 267,919 | 243,562 | 223,265 | 191,370 | 167,449 | 148,844 | 133,959 | 121,781 | 111,633 | 103,046 | 95,685 |
| 35К1,5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 329,858 | 296,873 | 269,884 | 247,394 | 212,052 | 185,545 | 164,929 | 148,436 | 134,942 | 123,697 | 114,182 | 106,026 |
| 35К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 362,398 | 326,158 | 296,507 | 271,798 | 232,970 | 203,849 | 181,199 | 163,079 | 148,254 | 135,899 | 125,445 | 116,485 |
| 35К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 410,909 | 369,818 | 336,198 | 308,182 | 264,156 | 231,136 | 205,455 | 184,909 | 168,099 | 154,091 | 142,238 | 132,078 |
| 35К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 460,135 | 414,121 | 376,474 | 345,101 | 295,801 | 258,826 | 230,067 | 207,061 | 188,237 | 172,550 | 159,277 | 147,900 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 510,082 | 459,074 | 417,340 | 382,562 | 327,910 | 286,921 | 255,041 | 229,537 | 208,670 | 191,281 | 176,567 | 163,955 |
| 35К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 559,920 | 503,928 | 458,116 | 419,940 | 359,948 | 314,955 | 279,960 | 251,964 | 229,058 | 209,970 | 193,818 | 179,974 |
| 35К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 611,989 | 550,790 | 500,718 | 458,992 | 393,421 | 344,244 | 305,994 | 275,395 | 250,359 | 229,496 | 211,842 | 196,711 |
| 35К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 679,136 | 611,222 | 555,657 | 509,352 | 436,587 | 382,014 | 339,568 | 305,611 | 277,828 | 254,676 | 235,086 | 218,294 |
| 35К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 748,931 | 674,038 | 612,762 | 561,698 | 481,456 | 421,274 | 374,466 | 337,019 | 306,381 | 280,849 | 259,245 | 240,728 |
| 35К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 835,210 | 751,689 | 683,354 | 626,408 | 536,921 | 469,806 | 417,605 | 375,845 | 341,677 | 313,204 | 289,111 | 268,460 |
| 35К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 925,875 | 833,287 | 757,534 | 694,406 | 595,205 | 520,805 | 462,937 | 416,644 | 378,767 | 347,203 | 320,495 | 297,603 |
| 35К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1036,998 | 933,298 | 848,453 | 777,748 | 666,641 | 583,311 | 518,499 | 466,649 | 424,226 | 388,874 | 358,961 | 333,321 |
| 35К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1151,103 | 1035,993 | 941,812 | 863,327 | 739,995 | 647,496 | 575,552 | 517,996 | 470,906 | 431,664 | 398,459 | 369,997 |
| 35К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1387,115 | 1232,991 | 1109,692 | 1008,811 | 924,743 | 792,637 | 693,557 | 616,495 | 554,846 | 504,405 | 462,372 | 426,805 | 396,319 |
| 35К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1559,426 | 1386,157 | 1247,541 | 1134,128 | 1039,618 | 891,101 | 779,713 | 693,078 | 623,771 | 567,064 | 519,809 | 479,823 | 445,550 |
| 35К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1739,507 | 1546,229 | 1391,606 | 1265,096 | 1159,671 | 994,004 | 869,754 | 773,114 | 695,803 | 632,548 | 579,836 | 535,233 | 497,002 |
| 35К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1929,127 | 1714,780 | 1543,302 | 1403,001 | 1286,085 | 1102,358 | 964,563 | 857,390 | 771,651 | 701,501 | 643,042 | 593,578 | 551,179 |
| 35К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2107,886 | 1873,677 | 1686,309 | 1533,008 | 1405,257 | 1204,506 | 1053,943 | 936,838 | 843,154 | 766,504 | 702,629 | 648,580 | 602,253 |
| 35К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2358,076 | 2096,068 | 1886,461 | 1714,965 | 1572,051 | 1347,472 | 1179,038 | 1048,034 | 943,231 | 857,482 | 786,025 | 725,562 | 673,736 |
| 35К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2452,662 | 2180,144 | 1962,129 | 1783,754 | 1635,108 | 1401,521 | 1226,331 | 1090,072 | 981,065 | 891,877 | 817,554 | 754,665 | 700,760 |
| 35К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2752,247 | 2446,442 | 2201,798 | 2001,634 | 1834,831 | 1572,713 | 1376,124 | 1223,221 | 1100,899 | 1000,817 | 917,416 | 846,845 | 786,356 |
| 35К22 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3073,837 | 2732,299 | 2459,069 | 2235,518 | 2049,224 | 1756,478 | 1536,918 | 1366,150 | 1229,535 | 1117,759 | 1024,612 | 945,796 | 878,239 |
| 35К23 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3433,579 | 3052,070 | 2746,863 | 2497,148 | 2289,053 | 1962,045 | 1716,790 | 1526,035 | 1373,432 | 1248,574 | 1144,526 | 1056,486 | 981,023 |
| 35К24 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3876,750 | 3446,000 | 3101,400 | 2819,455 | 2584,500 | 2215,286 | 1938,375 | 1723,000 | 1550,700 | 1409,727 | 1292,250 | 1192,846 | 1107,643 |
| 40К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 340,008 | 309,098 | 283,340 | 242,863 | 212,505 | 188,893 | 170,004 | 154,549 | 141,670 | 130,772 | 121,431 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



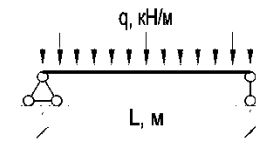



Таблица 6.4.2

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 404,874 | 368,067 | 337,395 | 289,196 | 253,046 | 224,930 | 202,437 | 184,034 | 168,697 | 155,721 | 144,598 |
| **40К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 500,889 | 455,354 | 417,407 | 357,778 | 313,056 | 278,272 | 250,444 | 227,677 | 208,704 | 192,650 | 178,889 |
| **40К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 570,370 | 518,518 | 475,308 | 407,407 | 356,481 | 316,872 | 285,185 | 259,259 | 237,654 | 219,373 | 203,704 |
| **40К4,5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 621,229 | 564,754 | 517,691 | 443,735 | 388,268 | 345,127 | 310,615 | 282,377 | 258,846 | 238,934 | 221,868 |
| **40К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 802,715 | 722,443 | 656,767 | 602,036 | 516,031 | 451,527 | 401,357 | 361,222 | 328,383 | 301,018 | 277,863 | 258,016 |
| **40К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 881,058 | 792,952 | 720,865 | 660,793 | 566,394 | 495,595 | 440,529 | 396,476 | 360,433 | 330,397 | 304,981 | 283,197 |
| **40К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 999,858 | 899,873 | 818,066 | 749,894 | 642,766 | 562,420 | 499,929 | 449,936 | 409,033 | 374,947 | 346,105 | 321,383 |
| **40К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1121,544 | 1009,389 | 917,627 | 841,158 | 720,992 | 630,868 | 560,772 | 504,695 | 458,813 | 420,579 | 388,227 | 360,496 |
| **40К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1285,418 | 1156,876 | 1051,706 | 964,063 | 826,340 | 723,048 | 642,709 | 578,438 | 525,853 | 482,032 | 444,952 | 413,170 |
| **40К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1418,156 | 1276,341 | 1160,310 | 1063,617 | 911,672 | 797,713 | 709,078 | 638,170 | 580,155 | 531,809 | 490,900 | 455,836 |
| **40К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1585,244 | 1426,719 | 1297,018 | 1188,933 | 1019,085 | 891,700 | 792,622 | 713,360 | 648,509 | 594,466 | 548,738 | 509,543 |
| **40К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1805,484 | 1624,936 | 1477,214 | 1354,113 | 1160,668 | 1015,585 | 902,742 | 812,468 | 738,607 | 677,056 | 624,975 | 580,334 |
| **40К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1981,389 | 1783,250 | 1621,136 | 1486,042 | 1273,750 | 1114,531 | 990,694 | 891,625 | 810,568 | 743,021 | 685,865 | 636,875 |
| **40К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2260,697 | 2034,627 | 1849,661 | 1695,523 | 1453,305 | 1271,642 | 1130,349 | 1017,314 | 924,831 | 847,761 | 782,549 | 726,653 |
| **40К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2391,971 | 2152,774 | 1957,067 | 1793,978 | 1537,696 | 1345,484 | 1195,986 | 1076,387 | 978,534 | 896,989 | 827,990 | 768,848 |
| **40К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2727,606 | 2454,846 | 2231,678 | 2045,705 | 1753,461 | 1534,279 | 1363,803 | 1227,423 | 1115,839 | 1022,852 | 944,171 | 876,731 |
| 40К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3133,058 | 2819,753 | 2563,411 | 2349,794 | 2014,109 | 1762,345 | 1566,529 | 1409,876 | 1281,706 | 1174,897 | 1084,520 | 1007,054 |
| 40К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3499,519 | 3149,567 | 2863,243 | 2624,639 | 2249,691 | 1968,479 | 1749,759 | 1574,783 | 1431,621 | 1312,320 | 1211,372 | 1124,845 |
| 40К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3996,150 | 3596,535 | 3269,577 | 2997,112 | 2568,953 | 2247,834 | 1998,075 | 1798,267 | 1634,789 | 1498,556 | 1383,283 | 1284,477 |
| | **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | |
| 13С1 | 293,132 | 219,849 | 175,879 | 146,566 | 125,628 | 109,925 | 97,711 | 87,940 | 79,945 | 73,283 | 62,814 | 54,962 | 48,855 | 43,970 | 39,973 | 36,642 | 33,823 | 31,407 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **20С1** | Оп.реб. | 453,773 | 363,018 | 302,515 | 259,299 | 226,886 | 201,677 | 181,509 | 165,008 | 151,258 | 129,649 | 113,443 | 100,838 | 90,755 | 82,504 | 75,629 | 69,811 | 64,825 |
| **25С1** | Оп.реб. | Оп.реб. | 412,255 | 343,545 | 294,468 | 257,659 | 229,030 | 206,127 | 187,388 | 171,773 | 147,234 | 128,830 | 114,515 | 103,064 | 93,694 | 85,886 | 79,280 | 73,617 |
| **25С2** | Оп.реб. | Оп.реб. | 531,498 | 442,915 | 379,641 | 332,186 | 295,276 | 265,749 | 241,590 | 221,457 | 189,821 | 166,093 | 147,638 | 132,874 | 120,795 | 110,729 | 102,211 | 94,910 |
| **30С1** | Оп.реб. | Оп.реб. | 544,092 | 453,410 | 388,637 | 340,057 | 302,273 | 272,046 | 247,314 | 226,705 | 194,318 | 170,029 | 151,137 | 136,023 | 123,657 | 113,352 | 104,633 | 97,159 |
| **30С2** | Оп.реб. | Оп.реб. | 687,342 | 572,785 | 490,958 | 429,589 | 381,856 | 343,671 | 312,428 | 286,392 | 245,479 | 214,794 | 190,928 | 171,835 | 156,214 | 143,196 | 132,181 | 122,740 |
| **32С1** | Оп.реб. | Оп.реб. | 1204,547 | 1003,789 | 860,391 | 752,842 | 669,193 | 602,274 | 547,521 | 501,895 | 430,195 | 376,421 | 334,596 | 301,137 | 273,761 | 250,947 | 231,644 | 215,098 |
| **32С2** | Оп.реб. | Оп.реб. | 1460,266 | 1216,888 | 1043,047 | 912,666 | 811,259 | 730,133 | 663,757 | 608,444 | 521,524 | 456,333 | 405,629 | 365,067 | 331,879 | 304,222 | 280,820 | 260,762 |
| **35С1** | Оп.реб. | Оп.реб. | Оп.реб. | 566,391 | 485,478 | 424,794 | 377,594 | 339,835 | 308,941 | 283,196 | 242,739 | 212,397 | 188,797 | 169,917 | 154,470 | 141,598 | 130,706 | 121,370 |
| **35С2** | Оп.реб. | Оп.реб. | Оп.реб. | 703,494 | 602,994 | 527,620 | 468,996 | 422,096 | 383,724 | 351,747 | 301,497 | 263,810 | 234,498 | 211,048 | 191,862 | 175,873 | 162,345 | 150,749 |
| **35С3** | Оп.реб. | Оп.реб. | Оп.реб. | 843,109 | 722,665 | 632,332 | 562,073 | 505,865 | 459,878 | 421,554 | 361,332 | 316,166 | 281,036 | 252,933 | 229,939 | 210,777 | 194,564 | 180,666 |
| **40С1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 642,851 | 562,495 | 499,995 | 449,996 | 409,087 | 374,997 | 321,426 | 281,247 | 249,998 | 224,998 | 204,544 | 187,498 | 173,075 | 160,713 |
| **40С2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 777,592 | 680,393 | 604,794 | 544,314 | 494,831 | 453,595 | 388,796 | 340,196 | 302,397 | 272,157 | 247,416 | 226,798 | 209,352 | 194,398 |
| **40С3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 914,479 | 800,169 | 711,261 | 640,135 | 581,941 | 533,446 | 457,239 | 400,084 | 355,631 | 320,068 | 290,971 | 266,723 | 246,206 | 228,620 |
| | **Тип ДБ - Дополнительные балочные двутавры** | | | | | | | | | | | | | | | | | |
| **20ДБ1** | Оп.реб. | 236,488 | 189,191 | 157,659 | 135,136 | 118,244 | 105,106 | 94,595 | 85,996 | 78,829 | 67,568 | 59,122 | 52,553 | 47,298 | 42,998 | 39,415 | 36,383 | 33,784 |
| **20ДБ2** | Оп.реб. | 257,054 | 205,643 | 171,369 | 146,888 | 128,527 | 114,246 | 102,822 | 93,474 | 85,685 | 73,444 | 64,263 | 57,123 | 51,411 | 46,737 | 42,842 | 39,547 | 36,722 |
| **25ДБ1** | Оп.реб. | 296,495 | 237,196 | 197,663 | 169,426 | 148,247 | 131,775 | 118,598 | 107,816 | 98,832 | 84,713 | 74,124 | 65,888 | 59,299 | 53,908 | 49,416 | 45,615 | 42,356 |
| **25ДБ2** | Оп.реб. | Оп.реб. | 247,815 | 206,513 | 177,011 | 154,885 | 137,675 | 123,908 | 112,643 | 103,256 | 88,506 | 77,442 | 68,838 | 61,954 | 56,322 | 51,628 | 47,657 | 44,253 |
| **25ДБ3** | Оп.реб. | Оп.реб. | 286,056 | 238,380 | 204,326 | 178,785 | 158,920 | 143,028 | 130,026 | 119,190 | 102,163 | 89,393 | 79,460 | 71,514 | 65,013 | 59,595 | 55,011 | 51,082 |
| **25ДБ4** | Оп.реб. | 309,775 | 247,820 | 206,517 | 177,014 | 154,888 | 137,678 | 123,910 | 112,646 | 103,258 | 88,507 | 77,444 | 68,839 | 61,955 | 56,323 | 51,629 | 47,658 | 44,254 |
| **25ДБ5** | Оп.реб. | Оп.реб. | 265,106 | 220,922 | 189,361 | 165,691 | 147,281 | 132,553 | 120,503 | 110,461 | 94,681 | 82,846 | 73,641 | 66,276 | 60,251 | 55,230 | 50,982 | 47,340 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

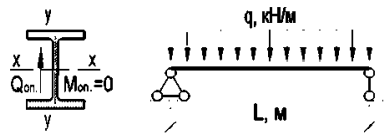


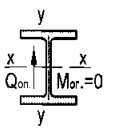
Таблица 6.4.2

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **25ДБ6** | Оп.реб. | Оп.реб. | 308,075 | 256,730 | 220,054 | 192,547 | 171,153 | 154,038 | 140,034 | 128,365 | 110,027 | 96,274 | 85,577 | 77,019 | 70,017 | 64,182 | 59,245 | 55,013 |
| **30ДБ1** | Оп.реб. | 352,828 | 282,263 | 235,219 | 201,616 | 176,414 | 156,813 | 141,131 | 128,301 | 117,609 | 100,808 | 88,207 | 78,406 | 70,566 | 64,151 | 58,805 | 54,281 | 50,404 |
| **30ДБ2** | Оп.реб. | 383,237 | 306,590 | 255,491 | 218,993 | 191,619 | 170,328 | 153,295 | 139,359 | 127,746 | 109,496 | 95,809 | 85,164 | 76,647 | 69,679 | 63,873 | 58,960 | 54,748 |
| **30ДБ3** | Оп.реб. | Оп.реб. | 285,192 | 237,660 | 203,708 | 178,245 | 158,440 | 142,596 | 129,633 | 118,830 | 101,854 | 89,122 | 79,220 | 71,298 | 64,816 | 59,415 | 54,845 | 50,927 |
| **30ДБ4** | Оп.реб. | Оп.реб. | 317,826 | 264,855 | 227,019 | 198,641 | 176,570 | 158,913 | 144,466 | 132,427 | 113,509 | 99,321 | 88,285 | 79,456 | 72,233 | 66,214 | 61,120 | 56,755 |
| **30ДБ5** | Оп.реб. | Оп.реб. | 368,890 | 307,408 | 263,493 | 230,556 | 204,939 | 184,445 | 167,677 | 153,704 | 131,746 | 115,278 | 102,469 | 92,222 | 83,839 | 76,852 | 70,940 | 65,873 |
| **30ДБ6** | Оп.реб. | Оп.реб. | 280,776 | 233,980 | 200,555 | 175,485 | 155,987 | 140,388 | 127,626 | 116,990 | 100,277 | 87,743 | 77,993 | 70,194 | 63,813 | 58,495 | 53,995 | 50,139 |
| **30ДБ7** | Оп.реб. | Оп.реб. | 316,698 | 263,915 | 226,213 | 197,936 | 175,943 | 158,349 | 143,953 | 131,957 | 113,106 | 98,968 | 87,972 | 79,174 | 71,977 | 65,979 | 60,903 | 56,553 |
| **30ДБ8** | Оп.реб. | Оп.реб. | 374,515 | 312,096 | 267,511 | 234,072 | 208,064 | 187,257 | 170,234 | 156,048 | 133,755 | 117,036 | 104,032 | 93,629 | 85,117 | 78,024 | 72,022 | 66,878 |
| **35ДБ1** | Оп.реб. | 389,960 | 311,968 | 259,973 | 222,834 | 194,980 | 173,315 | 155,984 | 141,803 | 129,987 | 111,417 | 97,490 | 86,658 | 77,992 | 70,902 | 64,993 | 59,994 | 55,709 |
| **35ДБ2** | Оп.реб. | 431,479 | 345,183 | 287,653 | 246,559 | 215,739 | 191,768 | 172,592 | 156,901 | 143,826 | 123,280 | 107,870 | 95,884 | 86,296 | 78,451 | 71,913 | 66,381 | 61,640 |
| **35ДБ3** | Оп.реб. | Оп.реб. | 380,164 | 316,803 | 271,546 | 237,603 | 211,202 | 190,082 | 172,802 | 158,402 | 135,773 | 118,801 | 105,601 | 95,041 | 86,401 | 79,201 | 73,108 | 67,886 |
| **35ДБ4** | Оп.реб. | Оп.реб. | 390,791 | 325,659 | 279,137 | 244,245 | 217,106 | 195,396 | 177,632 | 162,830 | 139,568 | 122,122 | 108,553 | 97,698 | 88,816 | 81,415 | 75,152 | 69,784 |
| **35ДБ5** | Оп.реб. | Оп.реб. | 431,455 | 359,546 | 308,182 | 269,659 | 239,697 | 215,728 | 196,116 | 179,773 | 154,091 | 134,830 | 119,849 | 107,864 | 98,058 | 89,886 | 82,972 | 77,046 |
| **35ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 418,072 | 358,347 | 313,554 | 278,714 | 250,843 | 228,039 | 209,036 | 179,174 | 156,777 | 139,357 | 125,421 | 114,020 | 104,518 | 96,478 | 89,587 |
| **35ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 371,039 | 324,659 | 288,586 | 259,727 | 236,116 | 216,439 | 185,519 | 162,330 | 144,293 | 129,864 | 118,058 | 108,220 | 99,895 | 92,760 |
| **35ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 412,835 | 361,231 | 321,094 | 288,985 | 262,713 | 240,820 | 206,418 | 180,615 | 160,547 | 144,492 | 131,357 | 120,410 | 111,148 | 103,209 |
| **35ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 450,157 | 393,887 | 350,122 | 315,110 | 286,463 | 262,591 | 225,078 | 196,944 | 175,061 | 157,555 | 143,232 | 131,296 | 121,196 | 112,539 |
| **35ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 514,112 | 449,848 | 399,865 | 359,879 | 327,162 | 299,899 | 257,056 | 224,924 | 199,933 | 179,939 | 163,581 | 149,949 | 138,415 | 128,528 |
| **40ДБ1** | Оп.реб. | 488,921 | 391,137 | 325,947 | 279,383 | 244,460 | 217,298 | 195,568 | 177,789 | 162,974 | 139,692 | 122,230 | 108,649 | 97,784 | 88,895 | 81,487 | 75,219 | 69,846 |
| **40ДБ2** | Оп.реб. | Оп.реб. | 423,030 | 352,525 | 302,164 | 264,394 | 235,017 | 211,515 | 192,286 | 176,263 | 151,082 | 132,197 | 117,508 | 105,758 | 96,143 | 88,131 | 81,352 | 75,541 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40ДБ3** | Оп.реб. | Оп.реб. | 458,359 | 381,966 | 327,399 | 286,474 | 254,644 | 229,179 | 208,345 | 190,983 | 163,700 | 143,237 | 127,322 | 114,590 | 104,172 | 95,491 | 88,146 | 81,850 |
| **40ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 397,978 | 341,124 | 298,483 | 265,319 | 238,787 | 217,079 | 198,989 | 170,562 | 149,242 | 132,659 | 119,393 | 108,539 | 99,494 | 91,841 | 85,281 |
| **40ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 455,944 | 390,809 | 341,958 | 303,963 | 273,566 | 248,697 | 227,972 | 195,405 | 170,979 | 151,981 | 136,783 | 124,348 | 113,986 | 105,218 | 97,702 |
| **40ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 504,650 | 432,557 | 378,488 | 336,434 | 302,790 | 275,264 | 252,325 | 216,279 | 189,244 | 168,217 | 151,395 | 137,632 | 126,163 | 116,458 | 108,139 |
| **40ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 570,122 | 488,676 | 427,592 | 380,081 | 342,073 | 310,976 | 285,061 | 244,338 | 213,796 | 190,041 | 171,037 | 155,488 | 142,531 | 131,567 | 122,169 |
| **45ДБ1** | Оп.реб. | Оп.реб. | 508,587 | 423,822 | 363,276 | 317,867 | 282,548 | 254,293 | 231,176 | 211,911 | 181,638 | 158,933 | 141,274 | 127,147 | 115,588 | 105,956 | 97,805 | 90,819 |
| **45ДБ2** | Оп.реб. | Оп.реб. | 545,164 | 454,303 | 389,403 | 340,727 | 302,869 | 272,582 | 247,802 | 227,152 | 194,701 | 170,364 | 151,434 | 136,291 | 123,901 | 113,576 | 104,839 | 97,351 |
| **45ДБ3** | Оп.реб. | Оп.реб. | 623,577 | 519,648 | 445,412 | 389,736 | 346,432 | 311,789 | 283,444 | 259,824 | 222,706 | 194,868 | 173,216 | 155,894 | 141,722 | 129,912 | 119,919 | 111,353 |
| **45ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 551,781 | 472,955 | 413,836 | 367,854 | 331,069 | 300,972 | 275,891 | 236,478 | 206,918 | 183,927 | 165,534 | 150,486 | 137,945 | 127,334 | 118,239 |
| **45ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 607,081 | 520,355 | 455,310 | 404,720 | 364,248 | 331,135 | 303,540 | 260,177 | 227,655 | 202,360 | 182,124 | 165,567 | 151,770 | 140,096 | 130,089 |
| **45ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 485,352 | 416,016 | 364,014 | 323,568 | 291,211 | 264,737 | 242,676 | 208,008 | 182,007 | 161,784 | 145,606 | 132,369 | 121,338 | 112,004 | 104,004 |
| **45ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 519,087 | 444,932 | 389,315 | 346,058 | 311,452 | 283,138 | 259,544 | 222,466 | 194,658 | 173,029 | 155,726 | 141,569 | 129,772 | 119,789 | 111,233 |
| **45ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | 573,061 | 491,195 | 429,796 | 382,041 | 343,837 | 312,579 | 286,531 | 245,598 | 214,898 | 191,020 | 171,918 | 156,289 | 143,265 | 132,245 | 122,799 |
| **45ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | 611,466 | 524,114 | 458,599 | 407,644 | 366,880 | 333,527 | 305,733 | 262,057 | 229,300 | 203,822 | 183,440 | 166,763 | 152,866 | 141,108 | 131,028 |
| **45ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | 665,893 | 570,765 | 499,420 | 443,928 | 399,536 | 363,214 | 332,946 | 285,383 | 249,710 | 221,964 | 199,768 | 181,607 | 166,473 | 153,668 | 142,691 |
| **45ДБ11** | Оп.реб. | Оп.реб. | Оп.реб. | 737,331 | 631,998 | 552,998 | 491,554 | 442,399 | 402,181 | 368,666 | 315,999 | 276,499 | 245,777 | 221,199 | 201,090 | 184,333 | 170,153 | 158,000 |
| **53ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | 682,244 | 584,780 | 511,683 | 454,829 | 409,346 | 372,133 | 341,122 | 292,390 | 255,841 | 227,415 | 204,673 | 186,067 | 170,561 | 157,441 | 146,195 |
| **53ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 629,519 | 550,829 | 489,626 | 440,663 | 400,603 | 367,219 | 314,759 | 275,414 | 244,813 | 220,332 | 200,301 | 183,610 | 169,486 | 157,380 |
| **53ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 671,581 | 587,633 | 522,340 | 470,106 | 427,369 | 391,755 | 335,790 | 293,817 | 261,170 | 235,053 | 213,685 | 195,878 | 180,810 | 167,895 |
| **53ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 761,983 | 666,735 | 592,653 | 533,388 | 484,898 | 444,490 | 380,991 | 333,368 | 296,327 | 266,694 | 242,449 | 222,245 | 205,149 | 190,496 |
| **53ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 858,957 | 751,588 | 668,078 | 601,270 | 546,609 | 501,058 | 429,479 | 375,794 | 334,039 | 300,635 | 273,305 | 250,529 | 231,258 | 214,739 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



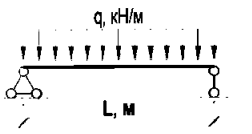



Таблица 6.4.2

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **60ДБ1** | Оп.реб. | Оп.реб. | Оп.реб. | 729,105 | 624,947 | 546,829 | 486,070 | 437,463 | 397,694 | 364,553 | 312,474 | 273,415 | 243,035 | 218,732 | 198,847 | 182,276 | 168,255 | 156,237 |
| **60ДБ2** | Оп.реб. | Оп.реб. | Оп.реб. | 802,180 | 687,583 | 601,635 | 534,786 | 481,308 | 437,553 | 401,090 | 343,791 | 300,817 | 267,393 | 240,654 | 218,776 | 200,545 | 185,118 | 171,896 |
| **60ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 678,111 | 593,347 | 527,420 | 474,678 | 431,525 | 395,565 | 339,056 | 296,674 | 263,710 | 237,339 | 215,763 | 197,782 | 182,568 | 169,528 |
| **60ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 730,973 | 639,601 | 568,534 | 511,681 | 465,164 | 426,401 | 365,486 | 319,800 | 284,267 | 255,840 | 232,582 | 213,200 | 196,800 | 182,743 |
| **60ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 782,697 | 684,860 | 608,764 | 547,888 | 498,080 | 456,573 | 391,348 | 342,430 | 304,382 | 273,944 | 249,040 | 228,287 | 210,726 | 195,674 |
| **60ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 758,492 | 674,215 | 606,793 | 551,630 | 505,661 | 433,424 | 379,246 | 337,107 | 303,397 | 275,815 | 252,831 | 233,382 | 216,712 |
| | **Тип ДК - Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| **10ДК1** | 123,536 | 92,652 | 74,122 | 61,768 | 52,944 | 46,326 | 41,179 | 37,061 | 33,692 | 30,884 | 26,472 | 23,163 | 20,589 | 18,530 | 16,846 | 15,442 | 14,254 | 13,236 |
| **10ДК2** | 152,263 | 114,197 | 91,358 | 76,131 | 65,255 | 57,098 | 50,754 | 45,679 | 41,526 | 38,066 | 32,628 | 28,549 | 25,377 | 22,839 | 20,763 | 19,033 | 17,569 | 16,314 |
| **10ДК3** | 332,847 | 249,636 | 199,708 | 166,424 | 142,649 | 124,818 | 110,949 | 99,854 | 90,777 | 83,212 | 71,324 | 62,409 | 55,475 | 49,927 | 45,388 | 41,606 | 38,405 | 35,662 |
| **12ДК1** | 149,515 | 112,137 | 89,709 | 74,758 | 64,078 | 56,068 | 49,838 | 44,855 | 40,777 | 37,379 | 32,039 | 28,034 | 24,919 | 22,427 | 20,388 | 18,689 | 17,252 | 16,020 |
| **12ДК2** | 194,519 | 145,890 | 116,712 | 97,260 | 83,365 | 72,945 | 64,840 | 58,356 | 53,051 | 48,630 | 41,683 | 36,472 | 32,420 | 29,178 | 26,525 | 24,315 | 22,445 | 20,841 |
| **12ДК3** | 411,711 | 308,784 | 247,027 | 205,856 | 176,448 | 154,392 | 137,237 | 123,513 | 112,285 | 102,928 | 88,224 | 77,196 | 68,619 | 61,757 | 56,142 | 51,464 | 47,505 | 44,112 |
| **14ДК1** | Оп.реб. | 144,346 | 115,477 | 96,231 | 82,483 | 72,173 | 64,154 | 57,738 | 52,489 | 48,115 | 41,242 | 36,087 | 32,077 | 28,869 | 26,245 | 24,058 | 22,207 | 20,621 |
| **14ДК2** | Оп.реб. | 184,730 | 147,784 | 123,153 | 105,560 | 92,365 | 82,102 | 73,892 | 67,174 | 61,577 | 52,780 | 46,182 | 41,051 | 36,946 | 33,587 | 30,788 | 28,420 | 26,390 |
| **14ДК3** | Оп.реб. | 374,133 | 299,307 | 249,422 | 213,790 | 187,067 | 166,281 | 149,653 | 136,048 | 124,711 | 106,895 | 93,533 | 83,141 | 74,827 | 68,024 | 62,356 | 57,559 | 53,448 |
| **15ДК1** | 233,430 | 175,073 | 140,058 | 116,715 | 100,042 | 87,536 | 77,810 | 70,029 | 63,663 | 58,358 | 50,021 | 43,768 | 38,905 | 35,015 | 31,831 | 29,179 | 26,934 | 25,010 |
| **15ДК2** | Оп.реб. | 204,441 | 163,553 | 136,294 | 116,824 | 102,221 | 90,863 | 81,776 | 74,342 | 68,147 | 58,412 | 51,110 | 45,431 | 40,888 | 37,171 | 34,074 | 31,452 | 29,206 |
| **15ДК3** | Оп.реб. | 248,989 | 199,191 | 165,992 | 142,279 | 124,494 | 110,662 | 99,595 | 90,541 | 82,996 | 71,140 | 62,247 | 55,331 | 49,798 | 45,271 | 41,498 | 38,306 | 35,570 |
| **16ДК1** | Оп.реб. | 180,499 | 144,399 | 120,333 | 103,142 | 90,249 | 80,222 | 72,200 | 65,636 | 60,166 | 51,571 | 45,125 | 40,111 | 36,100 | 32,818 | 30,083 | 27,769 | 25,786 |
| **16ДК2** | Оп.реб. | 241,737 | 193,390 | 161,158 | 138,136 | 120,869 | 107,439 | 96,695 | 87,904 | 80,579 | 69,068 | 60,434 | 53,719 | 48,347 | 43,952 | 40,290 | 37,190 | 34,534 |
| **16ДК3** | Оп.реб. | 454,116 | 363,293 | 302,744 | 259,495 | 227,058 | 201,829 | 181,646 | 165,133 | 151,372 | 129,747 | 113,529 | 100,915 | 90,823 | 82,567 | 75,686 | 69,864 | 64,874 |
| **18ДК1** | Оп.реб. | Оп.реб. | 163,478 | 136,232 | 116,770 | 102,174 | 90,821 | 81,739 | 74,308 | 68,116 | 58,385 | 51,087 | 45,411 | 40,870 | 37,154 | 34,058 | 31,438 | 29,193 |
| **18ДК2** | Оп.реб. | Оп.реб. | 227,315 | 189,429 | 162,368 | 142,072 | 126,286 | 113,657 | 103,325 | 94,714 | 81,184 | 71,036 | 63,143 | 56,829 | 51,662 | 47,357 | 43,714 | 40,592 |
| **18ДК3** | Оп.реб. | Оп.реб. | 421,712 | 351,427 | 301,223 | 263,570 | 234,285 | 210,856 | 191,687 | 175,714 | 150,612 | 131,785 | 117,142 | 105,428 | 95,844 | 87,857 | 81,099 | 75,306 |
| **20ДК1** | Оп.реб. | Оп.реб. | 226,761 | 188,968 | 161,972 | 141,726 | 125,979 | 113,381 | 103,073 | 94,484 | 80,986 | 70,863 | 62,989 | 56,690 | 51,537 | 47,242 | 43,608 | 40,493 |
| **20ДК2** | Оп.реб. | Оп.реб. | 251,107 | 209,256 | 179,362 | 156,942 | 139,504 | 125,553 | 114,139 | 104,628 | 89,681 | 78,471 | 69,752 | 62,777 | 57,070 | 52,314 | 48,290 | 44,840 |
| **20ДК3** | Оп.реб. | Оп.реб. | 292,597 | 243,831 | 208,998 | 182,873 | 162,554 | 146,298 | 132,999 | 121,915 | 104,499 | 91,437 | 81,277 | 73,149 | 66,499 | 60,958 | 56,269 | 52,249 |
| **20ДК4** | Оп.реб. | Оп.реб. | Оп.реб. | 278,325 | 238,564 | 208,743 | 185,550 | 166,995 | 151,813 | 139,162 | 119,282 | 104,372 | 92,775 | 83,497 | 75,907 | 69,581 | 64,229 | 59,641 |
| **20ДК5** | Оп.реб. | Оп.реб. | 430,886 | 359,072 | 307,776 | 269,304 | 239,381 | 215,443 | 195,857 | 179,536 | 153,888 | 134,652 | 119,691 | 107,722 | 97,929 | 89,768 | 82,863 | 76,944 |
| **20ДК6** | Оп.реб. | Оп.реб. | 490,785 | 408,988 | 350,561 | 306,741 | 272,659 | 245,393 | 223,084 | 204,494 | 175,281 | 153,370 | 136,329 | 122,696 | 111,542 | 102,247 | 94,382 | 87,640 |
| **25ДК1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 241,434 | 211,255 | 187,782 | 169,004 | 153,640 | 140,837 | 120,717 | 105,628 | 93,891 | 84,502 | 76,820 | 70,418 | 65,002 | 60,359 |
| **25ДК2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 265,745 | 232,527 | 206,690 | 186,021 | 169,110 | 155,018 | 132,872 | 116,263 | 103,345 | 93,011 | 84,555 | 77,509 | 71,547 | 66,436 |
| **25ДК3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 305,110 | 266,971 | 237,308 | 213,577 | 194,161 | 177,981 | 152,555 | 133,486 | 118,654 | 106,788 | 97,080 | 88,990 | 82,145 | 76,277 |
| **25ДК4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 342,074 | 299,314 | 266,057 | 239,452 | 217,683 | 199,543 | 171,037 | 149,657 | 133,029 | 119,726 | 108,842 | 99,771 | 92,097 | 85,518 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

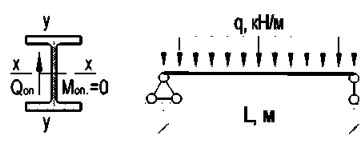


Таблица 6.4.2

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 118,35 | 88,76 | 71,01 | 59,18 | 50,72 | 44,38 | 39,45 | 35,51 | 32,28 | 29,59 | 25,36 | 22,19 | 19,73 | 17,75 | 16,14 | 14,79 | 13,66 | 12,68 |
| 12Б1 | 130,40 | 97,80 | 78,24 | 65,20 | 55,88 | 48,90 | 43,47 | 39,12 | 35,56 | 32,60 | 27,94 | 24,45 | 21,73 | 19,56 | 17,78 | 16,30 | 15,05 | 13,97 |
| 12Б2 | 153,13 | 114,85 | 91,88 | 76,57 | 65,63 | 57,43 | 51,04 | 45,94 | 41,76 | 38,28 | 32,81 | 28,71 | 25,52 | 22,97 | 20,88 | 19,14 | 17,67 | 16,41 |
| 14Б1 | 153,49 | 115,12 | 92,10 | 76,75 | 65,78 | 57,56 | 51,16 | 46,05 | 41,86 | 38,37 | 32,89 | 28,78 | 25,58 | 23,02 | 20,93 | 19,19 | 17,71 | 16,45 |
| 14Б2 | 191,50 | 143,63 | 114,90 | 95,75 | 82,07 | 71,81 | 63,83 | 57,45 | 52,23 | 47,88 | 41,04 | 35,91 | 31,92 | 28,73 | 26,11 | 23,94 | 22,10 | 20,52 |
| 16Б1 | 185,03 | 138,77 | 111,02 | 92,52 | 79,30 | 69,39 | 61,68 | 55,51 | 50,46 | 46,26 | 39,65 | 34,69 | 30,84 | 27,75 | 25,23 | 23,13 | 21,35 | 19,82 |
| 16Б2 | 233,38 | 175,04 | 140,03 | 116,69 | 100,02 | 87,52 | 77,79 | 70,01 | 63,65 | 58,35 | 50,01 | 43,76 | 38,90 | 35,01 | 31,82 | 29,17 | 26,93 | 25,01 |
| 18Б1 | 224,59 | 168,45 | 134,76 | 112,30 | 96,25 | 84,22 | 74,86 | 67,38 | 61,25 | 56,15 | 48,13 | 42,11 | 37,43 | 33,69 | 30,63 | 28,07 | 25,91 | 24,06 |
| 18Б2 | 278,94 | 209,20 | 167,36 | 139,47 | 119,54 | 104,60 | 92,98 | 83,68 | 76,07 | 69,73 | 59,77 | 52,30 | 46,49 | 41,84 | 38,04 | 34,87 | 32,19 | 29,89 |
| 20Б0 | 263,31 | 197,48 | 157,99 | 131,66 | 112,85 | 98,74 | 87,77 | 78,99 | 71,81 | 65,83 | 56,42 | 49,37 | 43,89 | 39,50 | 35,91 | 32,91 | 30,38 | 28,21 |
| 20Б1 | 322,07 | 241,55 | 193,24 | 161,03 | 138,03 | 120,78 | 107,36 | 96,62 | 87,84 | 80,52 | 69,01 | 60,39 | 53,68 | 48,31 | 43,92 | 40,26 | 37,16 | 34,51 |
| 20Б2 | 383,65 | 287,73 | 230,19 | 191,82 | 164,42 | 143,87 | 127,88 | 115,09 | 104,63 | 95,91 | 82,21 | 71,93 | 63,94 | 57,55 | 52,32 | 47,96 | 44,27 | 41,10 |
| 20Б3 | 478,91 | 359,18 | 287,34 | 239,45 | 205,25 | 179,59 | 159,64 | 143,67 | 130,61 | 119,73 | 102,62 | 89,79 | 79,82 | 71,84 | 65,31 | 59,86 | 55,26 | 51,31 |
| 25Б1 | Оп.реб. | 276,23 | 220,98 | 184,15 | 157,84 | 138,11 | 122,77 | 110,49 | 100,45 | 92,08 | 78,92 | 69,06 | 61,38 | 55,25 | 50,22 | 46,04 | 42,50 | 39,46 |
| 25Б2 | Оп.реб. | 331,44 | 265,15 | 220,96 | 189,39 | 165,72 | 147,31 | 132,58 | 120,52 | 110,48 | 94,70 | 82,86 | 73,65 | 66,29 | 60,26 | 55,24 | 50,99 | 47,35 |
| 25Б3 | Оп.реб. | 418,93 | 335,15 | 279,29 | 239,39 | 209,47 | 186,19 | 167,57 | 152,34 | 139,64 | 119,69 | 104,73 | 93,10 | 83,79 | 76,17 | 69,82 | 64,45 | 59,85 |
| 25Б4 | Оп.реб. | 508,20 | 406,56 | 338,80 | 290,40 | 254,10 | 225,87 | 203,28 | 184,80 | 169,40 | 145,20 | 127,05 | 112,93 | 101,64 | 92,40 | 84,70 | 78,18 | 72,60 |
| 30Б1 | Оп.реб. | 364,87 | 291,89 | 243,25 | 208,50 | 182,43 | 162,16 | 145,95 | 132,68 | 121,62 | 104,25 | 91,22 | 81,08 | 72,97 | 66,34 | 60,81 | 56,13 | 52,12 |
| 30Б2 | Оп.реб. | 431,16 | 344,93 | 287,44 | 246,38 | 215,58 | 191,63 | 172,46 | 156,78 | 143,72 | 123,19 | 107,79 | 95,81 | 86,23 | 78,39 | 71,86 | 66,33 | 61,59 |
| 30Б3 | Оп.реб. | 536,21 | 428,97 | 357,47 | 306,41 | 268,10 | 238,32 | 214,48 | 194,99 | 178,74 | 153,20 | 134,05 | 119,16 | 107,24 | 97,49 | 89,37 | 82,49 | 76,60 |
| 30Б4 | Оп.реб. | 642,97 | 514,37 | 428,64 | 367,41 | 321,48 | 285,76 | 257,19 | 233,81 | 214,32 | 183,70 | 160,74 | 142,88 | 128,59 | 116,90 | 107,16 | 98,92 | 91,85 |
| 35Б1 | Оп.реб. | Оп.реб. | 370,90 | 309,08 | 264,93 | 231,81 | 206,05 | 185,45 | 168,59 | 154,54 | 132,46 | 115,91 | 103,03 | 92,72 | 84,29 | 77,27 | 71,33 | 66,23 |
| 35Б2 | Оп.реб. | Оп.реб. | 436,38 | 363,65 | 311,70 | 272,74 | 242,43 | 218,19 | 198,35 | 181,82 | 155,85 | 136,37 | 121,22 | 109,09 | 99,18 | 90,91 | 83,92 | 77,92 |
| 35Б3 | Оп.реб. | Оп.реб. | 533,91 | 444,93 | 381,37 | 333,70 | 296,62 | 266,96 | 242,69 | 222,46 | 190,68 | 166,85 | 148,31 | 133,48 | 121,34 | 111,23 | 102,68 | 95,34 |
| 35Б4 | Оп.реб. | Оп.реб. | 634,95 | 529,13 | 453,54 | 396,85 | 352,75 | 317,48 | 288,62 | 264,56 | 226,77 | 198,42 | 176,38 | 158,74 | 144,31 | 132,28 | 122,11 | 113,38 |
| 40Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 413,16 | 354,14 | 309,87 | 275,44 | 247,90 | 225,36 | 206,58 | 177,07 | 154,93 | 137,72 | 123,95 | 112,68 | 103,29 | 95,34 | 88,53 |
| 40Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 475,47 | 407,55 | 356,60 | 316,98 | 285,28 | 259,35 | 237,74 | 203,77 | 178,30 | 158,49 | 142,64 | 129,67 | 118,87 | 109,72 | 101,89 |
| 40Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 570,01 | 488,58 | 427,50 | 380,00 | 342,00 | 310,91 | 285,00 | 244,29 | 213,75 | 190,00 | 171,00 | 155,46 | 142,50 | 131,54 | 122,14 |
| 40Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 665,94 | 570,80 | 499,45 | 443,96 | 399,56 | 363,24 | 332,97 | 285,40 | 249,73 | 221,98 | 199,78 | 181,62 | 166,48 | 153,68 | 142,70 |
| 45Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 526,46 | 451,25 | 394,84 | 350,97 | 315,87 | 287,16 | 263,23 | 225,62 | 197,42 | 175,49 | 157,94 | 143,58 | 131,61 | 121,49 | 112,81 |
| 45Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 596,24 | 511,06 | 447,18 | 397,49 | 357,74 | 325,22 | 298,12 | 255,53 | 223,59 | 198,75 | 178,87 | 162,61 | 149,06 | 137,59 | 127,76 |
| 45Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 701,91 | 601,64 | 526,43 | 467,94 | 421,15 | 382,86 | 350,96 | 300,82 | 263,22 | 233,97 | 210,57 | 191,43 | 175,48 | 161,98 | 150,41 |
| 45Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 808,95 | 693,38 | 606,71 | 539,30 | 485,37 | 441,24 | 404,47 | 346,69 | 303,35 | 269,65 | 242,68 | 220,62 | 202,24 | 186,68 | 173,35 |
| 50Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 631,61 | 541,38 | 473,71 | 421,08 | 378,97 | 344,52 | 315,81 | 270,69 | 236,86 | 210,54 | 189,48 | 172,26 | 157,90 | 145,76 | 135,35 |
| 50Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 654,52 | 561,02 | 490,89 | 436,35 | 392,71 | 357,01 | 327,26 | 280,51 | 245,45 | 218,17 | 196,36 | 178,51 | 163,63 | 151,04 | 140,25 |
| 50Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 626,96 | 548,59 | 487,64 | 438,87 | 398,97 | 365,73 | 313,48 | 274,29 | 243,82 | 219,44 | 199,49 | 182,86 | 168,80 | 156,74 |
| 50Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 760,15 | 665,13 | 591,23 | 532,11 | 483,73 | 443,42 | 380,08 | 332,57 | 295,61 | 266,05 | 241,87 | 221,71 | 204,66 | 190,04 |
| 50Б5 | Оп.реб. | Оп.реб. | Оп.реб. | 1087,67 | 932,29 | 815,75 | 725,11 | 652,60 | 593,27 | 543,83 | 466,14 | 407,88 | 362,56 | 326,30 | 296,64 | 271,92 | 251,00 | 233,07 |
| 55Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 647,08 | 566,19 | 503,28 | 452,96 | 411,78 | 377,46 | 323,54 | 283,10 | 251,64 | 226,48 | 205,89 | 188,73 | 174,21 | 161,77 |
| 55Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 687,50 | 601,56 | 534,72 | 481,25 | 437,50 | 401,04 | 343,75 | 300,78 | 267,36 | 240,62 | 218,75 | 200,52 | 185,09 | 171,87 |
| 55Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 828,65 | 725,07 | 644,50 | 580,05 | 527,32 | 483,38 | 414,32 | 362,53 | 322,25 | 290,03 | 263,66 | 241,69 | 223,10 | 207,16 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

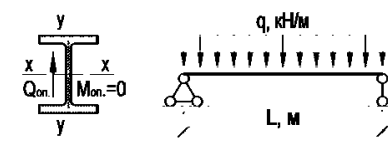


Таблица 6.4.2

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 55Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 951,10 | 832,21 | 739,74 | 665,77 | 605,24 | 554,81 | 475,55 | 416,10 | 369,87 | 332,88 | 302,62 | 277,40 | 256,06 | 237,77 |
| 60Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 738,89 | 646,53 | 574,70 | 517,23 | 470,21 | 431,02 | 369,45 | 323,27 | 287,35 | 258,61 | 235,10 | 215,51 | 198,93 | 184,72 |
| 60Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 817,13 | 714,99 | 635,55 | 571,99 | 519,99 | 476,66 | 408,57 | 357,50 | 317,77 | 286,00 | 260,00 | 238,33 | 220,00 | 204,28 |
| 60Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 930,09 | 813,83 | 723,40 | 651,06 | 591,88 | 542,55 | 465,04 | 406,91 | 361,70 | 325,53 | 295,94 | 271,28 | 250,41 | 232,52 |
| 60Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1097,32 | 960,16 | 853,47 | 768,12 | 698,30 | 640,10 | 548,66 | 480,08 | 426,74 | 384,06 | 349,15 | 320,05 | 295,43 | 274,33 |
| 70Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1028,02 | 899,52 | 799,57 | 719,61 | 654,19 | 599,68 | 514,01 | 449,76 | 399,79 | 359,81 | 327,10 | 299,84 | 276,77 | 257,00 |
| 70Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 985,44 | 875,95 | 788,35 | 716,68 | 656,96 | 563,11 | 492,72 | 437,97 | 394,18 | 358,34 | 328,48 | 303,21 | 281,55 |
| 70Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1078,52 | 958,68 | 862,81 | 784,38 | 719,01 | 616,30 | 539,26 | 479,34 | 431,41 | 392,19 | 359,51 | 331,85 | 308,15 |
| 70Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1272,46 | 1131,07 | 1017,97 | 925,42 | 848,31 | 727,12 | 636,23 | 565,54 | 508,98 | 462,71 | 424,15 | 391,53 | 363,56 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | Оп.реб. | 214,37 | 171,50 | 142,91 | 122,50 | 107,19 | 95,28 | 85,75 | 77,95 | 71,46 | 61,25 | 53,59 | 47,64 | 42,87 | 38,98 | 35,73 | 32,98 | 30,62 |
| 20Ш1 | Оп.реб. | 260,88 | 208,71 | 173,92 | 149,08 | 130,44 | 115,95 | 104,35 | 94,87 | 86,96 | 74,54 | 65,22 | 57,97 | 52,18 | 47,43 | 43,48 | 40,14 | 37,27 |
| 20Ш2 | Оп.реб. | 330,83 | 264,66 | 220,55 | 189,05 | 165,41 | 147,04 | 132,33 | 120,30 | 110,28 | 94,52 | 82,71 | 73,52 | 66,17 | 60,15 | 55,14 | 50,90 | 47,26 |
| 20Ш3 | Оп.реб. | 402,62 | 322,10 | 268,41 | 230,07 | 201,31 | 178,94 | 161,05 | 146,41 | 134,21 | 115,03 | 100,66 | 89,47 | 80,52 | 73,20 | 67,10 | 61,94 | 57,52 |
| 20Ш4 | Оп.реб. | 502,21 | 401,77 | 334,80 | 286,98 | 251,10 | 223,20 | 200,88 | 182,62 | 167,40 | 143,49 | 125,55 | 111,60 | 100,44 | 91,31 | 83,70 | 77,26 | 71,74 |
| 20Ш5 | Оп.реб. | 591,20 | 472,96 | 394,13 | 337,83 | 295,60 | 262,76 | 236,48 | 214,98 | 197,07 | 168,91 | 147,80 | 131,38 | 118,24 | 107,49 | 98,53 | 90,95 | 84,46 |
| 20Ш6 | Оп.реб. | 747,39 | 597,91 | 498,26 | 427,08 | 373,69 | 332,17 | 298,95 | 271,78 | 249,13 | 213,54 | 186,85 | 166,09 | 149,48 | 135,89 | 124,56 | 114,98 | 106,77 |
| 25Ш0 | Оп.реб. | Оп.реб. | 259,67 | 216,39 | 185,48 | 162,29 | 144,26 | 129,83 | 118,03 | 108,19 | 92,74 | 81,15 | 72,13 | 64,92 | 59,02 | 54,10 | 49,94 | 46,37 |
| 25Ш1 | Оп.реб. | Оп.реб. | 306,21 | 255,18 | 218,72 | 191,38 | 170,12 | 153,11 | 139,19 | 127,59 | 109,36 | 95,69 | 85,06 | 76,55 | 69,59 | 63,79 | 58,89 | 54,68 |
| 25Ш2 | Оп.реб. | Оп.реб. | 375,96 | 313,30 | 268,54 | 234,98 | 208,87 | 187,98 | 170,89 | 156,65 | 134,27 | 117,49 | 104,43 | 93,99 | 85,45 | 78,33 | 72,30 | 67,14 |
| 25Ш3 | Оп.реб. | Оп.реб. | 471,76 | 393,13 | 336,97 | 294,85 | 262,09 | 235,88 | 214,44 | 196,57 | 168,48 | 147,42 | 131,04 | 117,94 | 107,22 | 98,28 | 90,72 | 84,24 |

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25Ш4 | Оп.реб. | Оп.реб. | 580,75 | 483,96 | 414,82 | 362,97 | 322,64 | 290,38 | 263,98 | 241,98 | 207,41 | 181,49 | 161,32 | 145,19 | 131,99 | 120,99 | 111,68 | 103,71 |
| 25Ш5 | Оп.реб. | Оп.реб. | 730,26 | 608,55 | 521,62 | 456,41 | 405,70 | 365,13 | 331,94 | 304,28 | 260,81 | 228,21 | 202,85 | 182,57 | 165,97 | 152,14 | 140,44 | 130,40 |
| 25Ш6 | Оп.реб. | Оп.реб. | 869,68 | 724,73 | 621,20 | 543,55 | 483,15 | 434,84 | 395,31 | 362,37 | 310,60 | 271,77 | 241,58 | 217,42 | 197,65 | 181,18 | 167,25 | 155,30 |
| 30Ш0 | Оп.реб. | Оп.реб. | 365,22 | 304,35 | 260,87 | 228,26 | 202,90 | 182,61 | 166,01 | 152,18 | 130,44 | 114,13 | 101,45 | 91,31 | 83,01 | 76,09 | 70,24 | 65,22 |
| 30Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 351,13 | 300,97 | 263,35 | 234,09 | 210,68 | 191,53 | 175,57 | 150,48 | 131,67 | 117,04 | 105,34 | 95,76 | 87,78 | 81,03 | 75,24 |
| 30Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | 401,30 | 343,97 | 300,98 | 267,53 | 240,78 | 218,89 | 200,65 | 171,99 | 150,49 | 133,77 | 120,39 | 109,45 | 100,33 | 92,61 | 85,99 |
| 30Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | 495,24 | 424,49 | 371,43 | 330,16 | 297,14 | 270,13 | 247,62 | 212,25 | 185,71 | 165,08 | 148,57 | 135,07 | 123,81 | 114,29 | 106,12 |
| 30Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | 580,91 | 497,92 | 435,68 | 387,27 | 348,55 | 316,86 | 290,46 | 248,96 | 217,84 | 193,64 | 174,27 | 158,43 | 145,23 | 134,06 | 124,48 |
| 30Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | 731,27 | 626,80 | 548,45 | 487,51 | 438,76 | 398,87 | 365,63 | 313,40 | 274,23 | 243,76 | 219,38 | 199,44 | 182,82 | 168,75 | 156,70 |
| 30Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | 918,53 | 787,31 | 688,89 | 612,35 | 551,12 | 501,01 | 459,26 | 393,65 | 344,45 | 306,18 | 275,56 | 250,51 | 229,63 | 211,97 | 196,83 |
| 35Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 402,23 | 344,77 | 301,67 | 268,15 | 241,34 | 219,40 | 201,12 | 172,39 | 150,84 | 134,08 | 120,67 | 109,70 | 100,56 | 92,82 | 86,19 |
| 35Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 393,79 | 344,57 | 306,28 | 275,65 | 250,59 | 229,71 | 196,90 | 172,28 | 153,14 | 137,83 | 125,30 | 114,86 | 106,02 | 98,45 |
| 35Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 486,97 | 426,10 | 378,76 | 340,88 | 309,89 | 284,07 | 243,49 | 213,05 | 189,38 | 170,44 | 154,95 | 142,03 | 131,11 | 121,74 |
| 35Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 568,58 | 497,51 | 442,23 | 398,01 | 361,83 | 331,67 | 284,29 | 248,76 | 221,12 | 199,00 | 180,91 | 165,84 | 153,08 | 142,15 |
| 35Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 710,93 | 622,06 | 552,94 | 497,65 | 452,41 | 414,71 | 355,46 | 311,03 | 276,47 | 248,82 | 226,20 | 207,35 | 191,40 | 177,73 |
| 35Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 840,61 | 735,54 | 653,81 | 588,43 | 534,94 | 490,36 | 420,31 | 367,77 | 326,91 | 294,21 | 267,47 | 245,18 | 226,32 | 210,15 |
| 35Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1043,78 | 913,30 | 811,83 | 730,64 | 664,22 | 608,87 | 521,89 | 456,65 | 405,91 | 365,32 | 332,11 | 304,43 | 281,02 | 260,94 |
| 40Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 469,69 | 410,98 | 365,31 | 328,78 | 298,89 | 273,99 | 234,85 | 205,49 | 182,66 | 164,39 | 149,45 | 136,99 | 126,46 | 117,42 |
| 40Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 440,84 | 391,86 | 352,67 | 320,61 | 293,89 | 251,91 | 220,42 | 195,93 | 176,34 | 160,31 | 146,95 | 135,64 | 125,95 |
| 40Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 534,32 | 474,95 | 427,46 | 388,60 | 356,22 | 305,33 | 267,16 | 237,48 | 213,73 | 194,30 | 178,11 | 164,41 | 152,66 |
| 40Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 638,72 | 567,75 | 510,98 | 464,52 | 425,81 | 364,98 | 319,36 | 283,88 | 255,49 | 232,26 | 212,91 | 196,53 | 182,49 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

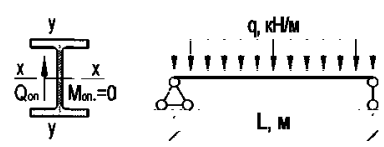


Таблица 6.4.2

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 784,78 | 697,59 | 627,83 | 570,75 | 523,19 | 448,45 | 392,39 | 348,79 | 313,91 | 285,38 | 261,59 | 241,47 | 224,22 |
| 40Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 933,91 | 830,14 | 747,13 | 679,21 | 622,61 | 533,66 | 466,96 | 415,07 | 373,56 | 339,60 | 311,30 | 287,36 | 266,83 |
| 40Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1136,59 | 1010,30 | 909,27 | 826,61 | 757,73 | 649,48 | 568,30 | 505,15 | 454,64 | 413,31 | 378,86 | 349,72 | 324,74 |
| 45Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 489,43 | 435,05 | 391,55 | 355,95 | 326,29 | 279,68 | 244,72 | 217,53 | 195,77 | 177,98 | 163,14 | 150,60 | 139,84 |
| 45Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 484,02 | 435,62 | 396,01 | 363,01 | 311,15 | 272,26 | 242,01 | 217,81 | 198,01 | 181,51 | 167,54 | 155,58 |
| 45Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 632,59 | 562,30 | 506,07 | 460,06 | 421,72 | 361,48 | 316,29 | 281,15 | 253,03 | 230,03 | 210,86 | 194,64 | 180,74 |
| 45Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 734,72 | 653,09 | 587,78 | 534,34 | 489,81 | 419,84 | 367,36 | 326,54 | 293,89 | 267,17 | 244,91 | 226,07 | 209,92 |
| 45Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 896,21 | 796,63 | 716,97 | 651,79 | 597,47 | 512,12 | 448,10 | 398,32 | 358,48 | 325,89 | 298,74 | 275,76 | 256,06 |
| 45Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 921,33 | 829,20 | 753,82 | 691,00 | 592,28 | 518,25 | 460,67 | 414,60 | 376,91 | 345,50 | 318,92 | 296,14 |
| 45Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1118,74 | 1006,87 | 915,34 | 839,06 | 719,19 | 629,29 | 559,37 | 503,44 | 457,67 | 419,53 | 387,26 | 359,60 |
| 50Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 593,35 | 527,42 | 474,68 | 431,52 | 395,56 | 339,06 | 296,67 | 263,71 | 237,34 | 215,76 | 197,78 | 182,57 | 169,53 |
| 50Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 891,03 | 779,65 | 693,02 | 623,72 | 567,02 | 519,77 | 445,52 | 389,83 | 346,51 | 311,86 | 283,51 | 259,88 | 239,89 | 222,76 |
| 50Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 941,22 | 823,57 | 732,06 | 658,86 | 598,96 | 549,05 | 470,61 | 411,79 | 366,03 | 329,43 | 299,48 | 274,52 | 253,41 | 235,31 |
| 50Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 885,90 | 787,47 | 708,72 | 644,29 | 590,60 | 506,23 | 442,95 | 393,74 | 354,36 | 322,15 | 295,30 | 272,59 | 253,12 |
| 50Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1031,74 | 917,10 | 825,39 | 750,36 | 687,83 | 589,57 | 515,87 | 458,55 | 412,70 | 375,18 | 343,91 | 317,46 | 294,78 |
| 50Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1180,95 | 1049,73 | 944,76 | 858,87 | 787,30 | 674,83 | 590,47 | 524,87 | 472,38 | 429,44 | 393,65 | 363,37 | 337,41 |
| 50Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1417,95 | 1260,40 | 1134,36 | 1031,24 | 945,30 | 810,26 | 708,98 | 630,20 | 567,18 | 515,62 | 472,65 | 436,29 | 405,13 |
| 50Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1666,97 | 1481,75 | 1333,57 | 1212,34 | 1111,31 | 952,55 | 833,48 | 740,87 | 666,79 | 606,17 | 555,66 | 512,91 | 476,28 |
| 60Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 775,73 | 689,54 | 620,58 | 564,17 | 517,15 | 443,27 | 387,86 | 344,77 | 310,29 | 282,08 | 258,58 | 238,69 | 221,64 |
| 60Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1008,37 | 896,33 | 806,70 | 733,36 | 672,25 | 576,21 | 504,19 | 448,16 | 403,35 | 366,68 | 336,12 | 310,27 | 288,11 |
| 60Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1146,24 | 1018,88 | 916,99 | 833,63 | 764,16 | 654,99 | 573,12 | 509,44 | 458,49 | 416,81 | 382,08 | 352,69 | 327,50 |
| 60Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1285,66 | 1142,81 | 1028,53 | 935,03 | 857,11 | 734,66 | 642,83 | 571,41 | 514,26 | 467,51 | 428,55 | 395,59 | 367,33 |
| 60Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1460,28 | 1298,03 | 1168,23 | 1062,02 | 973,52 | 834,45 | 730,14 | 649,01 | 584,11 | 531,01 | 486,76 | 449,32 | 417,22 |
| 60Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1741,79 | 1548,25 | 1393,43 | 1266,75 | 1161,19 | 995,31 | 870,89 | 774,13 | 696,71 | 633,38 | 580,60 | 535,93 | 497,65 |
| 60Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2026,13 | 1801,00 | 1620,90 | 1473,55 | 1350,75 | 1157,79 | 1013,06 | 900,50 | 810,45 | 736,77 | 675,38 | 623,42 | 578,89 |
| 60Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2132,31 | 1919,08 | 1744,61 | 1599,23 | 1370,77 | 1199,42 | 1066,15 | 959,54 | 872,31 | 799,61 | 738,11 | 685,38 |
| 70Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 882,82 | 794,54 | 722,31 | 662,11 | 567,53 | 496,58 | 441,41 | 397,27 | 361,15 | 331,06 | 305,59 | 283,76 |
| 70Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 998,38 | 898,55 | 816,86 | 748,79 | 641,82 | 561,59 | 499,19 | 449,27 | 408,43 | 374,39 | 345,59 | 320,91 |
| 70Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1204,56 | 1084,10 | 985,55 | 903,42 | 774,36 | 677,56 | 602,28 | 542,05 | 492,77 | 451,71 | 416,96 | 387,18 |
| 70Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1346,67 | 1212,00 | 1101,82 | 1010,00 | 865,71 | 757,50 | 673,33 | 606,00 | 550,91 | 505,00 | 466,15 | 432,86 |
| 70Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1524,40 | 1371,96 | 1247,24 | 1143,30 | 979,97 | 857,48 | 762,20 | 685,98 | 623,62 | 571,65 | 527,68 | 489,99 |
| 70Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1816,48 | 1634,83 | 1486,21 | 1362,36 | 1167,74 | 1021,77 | 908,24 | 817,42 | 743,11 | 681,18 | 628,78 | 583,87 |
| 70Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2182,60 | 1964,34 | 1785,76 | 1636,95 | 1403,10 | 1227,71 | 1091,30 | 982,17 | 892,88 | 818,47 | 755,52 | 701,55 |
| 70Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2635,02 | 2371,52 | 2155,93 | 1976,27 | 1693,94 | 1482,20 | 1317,51 | 1185,76 | 1077,96 | 988,13 | 912,12 | 846,97 |
| **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | | |
| 15К1 | Оп.реб. | 197,36 | 157,89 | 131,57 | 112,78 | 98,68 | 87,71 | 78,94 | 71,77 | 65,79 | 56,39 | 49,34 | 43,86 | 39,47 | 35,88 | 32,89 | 30,36 | 28,19 |
| 15К2 | Оп.реб. | 232,89 | 186,31 | 155,26 | 133,08 | 116,44 | 103,51 | 93,15 | 84,69 | 77,63 | 66,54 | 58,22 | 51,75 | 46,58 | 42,34 | 38,81 | 35,83 | 33,27 |
| 15К3 | Оп.реб. | 288,34 | 230,67 | 192,22 | 164,76 | 144,17 | 128,15 | 115,33 | 104,85 | 96,11 | 82,38 | 72,08 | 64,07 | 57,67 | 52,42 | 48,06 | 44,36 | 41,19 |
| 15К4 | Оп.реб. | 345,71 | 276,57 | 230,47 | 197,55 | 172,86 | 153,65 | 138,28 | 125,71 | 115,24 | 98,77 | 86,43 | 76,82 | 69,14 | 62,86 | 57,62 | 53,19 | 49,39 |
| 15К5 | Оп.реб. | 423,88 | 339,11 | 282,59 | 242,22 | 211,94 | 188,39 | 169,55 | 154,14 | 141,29 | 121,11 | 105,97 | 94,20 | 84,78 | 77,07 | 70,65 | 65,21 | 60,55 |
| 20К1 | Оп.реб. | Оп.реб. | 230,48 | 192,07 | 164,63 | 144,05 | 128,05 | 115,24 | 104,76 | 96,03 | 82,32 | 72,03 | 64,02 | 57,62 | 52,38 | 48,02 | 44,32 | 41,16 |
| 20К2 | Оп.реб. | Оп.реб. | 286,47 | 238,72 | 204,62 | 179,04 | 159,15 | 143,23 | 130,21 | 119,36 | 102,31 | 89,52 | 79,57 | 71,62 | 65,11 | 59,68 | 55,09 | 51,15 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

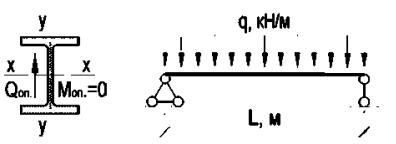


Таблица 6.4.2

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **20К3** | Оп.реб. | Оп.реб. | 326,26 | 271,88 | 233,04 | 203,91 | 181,26 | 163,13 | 148,30 | 135,94 | 116,52 | 101,96 | 90,63 | 81,57 | 74,15 | 67,97 | 62,74 | 58,26 |
| **20К4** | Оп.реб. | Оп.реб. | 387,35 | 322,79 | 276,68 | 242,09 | 215,19 | 193,67 | 176,07 | 161,40 | 138,34 | 121,05 | 107,60 | 96,84 | 88,03 | 80,70 | 74,49 | 69,17 |
| **20К5** | Оп.реб. | Оп.реб. | 447,08 | 372,56 | 319,34 | 279,42 | 248,38 | 223,54 | 203,22 | 186,28 | 159,67 | 139,71 | 124,19 | 111,77 | 101,61 | 93,14 | 85,98 | 79,84 |
| **20К6** | Оп.реб. | Оп.реб. | 517,38 | 431,15 | 369,56 | 323,36 | 287,43 | 258,69 | 235,17 | 215,58 | 184,78 | 161,68 | 143,72 | 129,35 | 117,59 | 107,79 | 99,50 | 92,39 |
| **20К7** | Оп.реб. | Оп.реб. | 600,61 | 500,51 | 429,01 | 375,38 | 333,67 | 300,31 | 273,01 | 250,26 | 214,50 | 187,69 | 166,84 | 150,15 | 136,50 | 125,13 | 115,50 | 107,25 |
| **20К8** | Оп.реб. | Оп.реб. | 690,71 | 575,59 | 493,36 | 431,69 | 383,73 | 345,35 | 313,96 | 287,79 | 246,68 | 215,85 | 191,86 | 172,68 | 156,98 | 143,90 | 132,83 | 123,34 |
| **25К1** | Оп.реб. | Оп.реб. | Оп.реб. | 297,03 | 254,60 | 222,77 | 198,02 | 178,22 | 162,02 | 148,52 | 127,30 | 111,39 | 99,01 | 89,11 | 81,01 | 74,26 | 68,55 | 63,65 |
| **25К2** | Оп.реб. | Оп.реб. | Оп.реб. | 337,53 | 289,31 | 253,15 | 225,02 | 202,52 | 184,11 | 168,77 | 144,66 | 126,57 | 112,51 | 101,26 | 92,05 | 84,38 | 77,89 | 72,33 |
| **25К3** | Оп.реб. | Оп.реб. | Оп.реб. | 377,42 | 323,50 | 283,06 | 251,61 | 226,45 | 205,86 | 188,71 | 161,75 | 141,53 | 125,81 | 113,23 | 102,93 | 94,35 | 87,10 | 80,88 |
| **25К4** | Оп.реб. | Оп.реб. | Оп.реб. | 419,17 | 359,29 | 314,38 | 279,45 | 251,50 | 228,64 | 209,59 | 179,65 | 157,19 | 139,72 | 125,75 | 114,32 | 104,79 | 96,73 | 89,82 |
| **25К5** | Оп.реб. | Оп.реб. | Оп.реб. | 481,55 | 412,76 | 361,17 | 321,04 | 288,93 | 262,67 | 240,78 | 206,38 | 180,58 | 160,52 | 144,47 | 131,33 | 120,39 | 111,13 | 103,19 |
| **25К6** | Оп.реб. | Оп.реб. | Оп.реб. | 532,44 | 456,38 | 399,33 | 354,96 | 319,46 | 290,42 | 266,22 | 228,19 | 199,66 | 177,48 | 159,73 | 145,21 | 133,11 | 122,87 | 114,09 |
| **25К7** | Оп.реб. | Оп.реб. | Оп.реб. | 618,23 | 529,91 | 463,67 | 412,15 | 370,94 | 337,22 | 309,12 | 264,96 | 231,84 | 206,08 | 185,47 | 168,61 | 154,56 | 142,67 | 132,48 |
| **25К8** | Оп.реб. | Оп.реб. | Оп.реб. | 706,05 | 605,18 | 529,53 | 470,70 | 423,63 | 385,12 | 353,02 | 302,59 | 264,77 | 235,35 | 211,81 | 192,56 | 176,51 | 162,93 | 151,30 |
| **25К9** | Оп.реб. | Оп.реб. | Оп.реб. | 777,31 | 666,27 | 582,98 | 518,21 | 466,39 | 423,99 | 388,65 | 333,13 | 291,49 | 259,10 | 233,19 | 211,99 | 194,33 | 179,38 | 166,57 |
| **25К10** | Оп.реб. | Оп.реб. | Оп.реб. | 912,61 | 782,24 | 684,46 | 608,41 | 547,57 | 497,79 | 456,31 | 391,12 | 342,23 | 304,20 | 273,78 | 248,89 | 228,15 | 210,60 | 195,56 |
| **30К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 304,53 | 270,69 | 243,62 | 221,48 | 203,02 | 174,02 | 152,26 | 135,35 | 121,81 | 110,74 | 101,51 | 93,70 | 87,01 |
| **30К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 387,53 | 339,09 | 301,41 | 271,27 | 246,61 | 226,06 | 193,76 | 169,54 | 150,71 | 135,63 | 123,30 | 113,03 | 104,33 | 96,88 |
| **30К3** | Оп.реб. | Оп.реб. | 798,80 | 665,67 | 570,57 | 499,25 | 443,78 | 399,40 | 363,09 | 332,83 | 285,29 | 249,63 | 221,89 | 199,70 | 181,55 | 166,42 | 153,62 | 142,64 |
| **30К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 376,09 | 334,31 | 300,87 | 273,52 | 250,73 | 214,91 | 188,05 | 167,15 | 150,44 | 136,76 | 125,36 | 115,72 | 107,46 |
| **30К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб | 413,54 | 367,59 | 330,83 | 300,75 | 275,69 | 236,31 | 206,77 | 183,79 | 165,41 | 150,38 | 137,85 | 127,24 | 118,15 |
| **30К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 441,03 | 392,02 | 352,82 | 320,75 | 294,02 | 252,02 | 220,51 | 196,01 | 176,41 | 160,37 | 147,01 | 135,70 | 126,01 |
| **30К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 494,97 | 439,97 | 395,97 | 359,98 | 329,98 | 282,84 | 247,48 | 219,99 | 197,99 | 179,99 | 164,99 | 152,30 | 141,42 |
| **30К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 442,84 | 398,55 | 362,32 | 332,13 | 284,68 | 249,10 | 221,42 | 199,28 | 181,16 | 166,06 | 153,29 | 142,34 |
| **30К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 494,23 | 444,81 | 404,37 | 370,67 | 317,72 | 278,00 | 247,12 | 222,40 | 202,19 | 185,34 | 171,08 | 158,86 |
| **30К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 561,70 | 505,53 | 459,57 | 421,27 | 361,09 | 315,95 | 280,85 | 252,76 | 229,79 | 210,64 | 194,43 | 180,55 |
| **30К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 615,49 | 553,94 | 503,58 | 461,62 | 395,67 | 346,21 | 307,74 | 276,97 | 251,79 | 230,81 | 213,05 | 197,84 |
| **30К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 685,49 | 616,94 | 560,85 | 514,11 | 440,67 | 385,59 | 342,74 | 308,47 | 280,43 | 257,06 | 237,28 | 220,33 |
| **30К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 760,32 | 684,29 | 622,08 | 570,24 | 488,78 | 427,68 | 380,16 | 342,14 | 311,04 | 285,12 | 263,19 | 244,39 |
| **30К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 971,41 | 863,48 | 777,13 | 706,48 | 647,61 | 555,09 | 485,71 | 431,74 | 388,56 | 353,24 | 323,80 | 298,90 | 277,55 |
| **30К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1093,46 | 971,96 | 874,76 | 795,24 | 728,97 | 624,83 | 546,73 | 485,98 | 437,38 | 397,62 | 364,49 | 336,45 | 312,42 |
| **30К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1223,47 | 1087,53 | 978,78 | 889,80 | 815,65 | 699,13 | 611,74 | 543,77 | 489,39 | 444,90 | 407,82 | 376,45 | 349,56 |
| **30К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1357,40 | 1206,57 | 1085,92 | 987,20 | 904,93 | 775,65 | 678,70 | 603,29 | 542,96 | 493,60 | 452,47 | 417,66 | 387,83 |
| **30К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1501,05 | 1334,27 | 1200,84 | 1091,67 | 1000,70 | 857,74 | 750,53 | 667,13 | 600,42 | 545,84 | 500,35 | 461,86 | 428,87 |
| **30К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1688,85 | 1501,20 | 1351,08 | 1228,25 | 1125,90 | 965,06 | 844,42 | 750,60 | 675,54 | 614,13 | 562,95 | 519,65 | 482,53 |
| **30К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1888,81 | 1678,95 | 1511,05 | 1373,68 | 1259,21 | 1079,32 | 944,41 | 839,47 | 755,53 | 686,84 | 629,60 | 581,17 | 539,66 |
| **30К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2046,41 | 1819,03 | 1637,13 | 1488,30 | 1364,27 | 1169,38 | 1023,20 | 909,51 | 818,56 | 744,15 | 682,14 | 629,66 | 584,69 |
| **35К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 345,96 | 311,36 | 283,06 | 259,47 | 222,40 | 194,60 | 172,98 | 155,68 | 141,53 | 129,74 | 119,76 | 111,20 |
| **35К1,5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 383,35 | 345,01 | 313,65 | 287,51 | 246,44 | 215,63 | 191,67 | 172,51 | 156,82 | 143,76 | 132,70 | 123,22 |
| **35К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 421,16 | 379,05 | 344,59 | 315,87 | 270,75 | 236,91 | 210,58 | 189,52 | 172,29 | 157,94 | 145,79 | 135,37 |
| **35К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 466,44 | 419,79 | 381,63 | 349,83 | 299,85 | 262,37 | 233,22 | 209,90 | 190,82 | 174,91 | 161,46 | 149,93 |
| **35К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 522,31 | 470,08 | 427,35 | 391,74 | 335,77 | 293,80 | 261,16 | 235,04 | 213,67 | 195,87 | 180,80 | 167,89 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

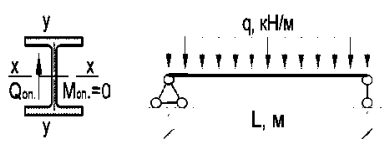
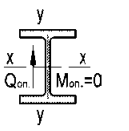


Таблица 6.4.2

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **35К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 579,01 | 521,11 | 473,74 | 434,26 | 372,22 | 325,69 | 289,51 | 260,56 | 236,87 | 217,13 | 200,43 | 186,11 |
| **35К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 635,58 | 572,03 | 520,02 | 476,69 | 408,59 | 357,52 | 317,79 | 286,01 | 260,01 | 238,34 | 220,01 | 204,30 |
| **35К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 696,99 | 627,29 | 570,26 | 522,74 | 448,06 | 392,06 | 348,49 | 313,64 | 285,13 | 261,37 | 241,26 | 224,03 |
| **35К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 773,46 | 696,11 | 632,83 | 580,10 | 497,22 | 435,07 | 386,73 | 348,06 | 316,42 | 290,05 | 267,74 | 248,61 |
| **35К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 852,95 | 767,65 | 697,87 | 639,71 | 548,32 | 479,78 | 426,47 | 383,83 | 348,93 | 319,86 | 295,25 | 274,16 |
| **35К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 951,21 | 856,09 | 778,26 | 713,41 | 611,49 | 535,06 | 475,61 | 428,05 | 389,13 | 356,70 | 329,27 | 305,75 |
| **35К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1054,47 | 949,02 | 862,75 | 790,85 | 677,87 | 593,14 | 527,23 | 474,51 | 431,37 | 395,43 | 365,01 | 338,94 |
| **35К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1181,03 | 1062,92 | 966,29 | 885,77 | 759,23 | 664,33 | 590,51 | 531,46 | 483,15 | 442,88 | 408,82 | 379,62 |
| **35К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1310,98 | 1179,88 | 1072,62 | 983,23 | 842,77 | 737,43 | 655,49 | 589,94 | 536,31 | 491,62 | 453,80 | 421,39 |
| **35К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1624,91 | 1444,36 | 1299,92 | 1181,75 | 1083,27 | 928,52 | 812,45 | 722,18 | 649,96 | 590,87 | 541,64 | 499,97 | 464,26 |
| **35К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1826,76 | 1623,78 | 1461,41 | 1328,55 | 1217,84 | 1043,86 | 913,38 | 811,89 | 730,70 | 664,28 | 608,92 | 562,08 | 521,93 |
| **35К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2037,71 | 1811,30 | 1630,17 | 1481,97 | 1358,47 | 1164,40 | 1018,85 | 905,65 | 815,08 | 740,98 | 679,24 | 626,99 | 582,20 |
| **35К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2259,83 | 2008,74 | 1807,87 | 1643,52 | 1506,56 | 1291,33 | 1129,92 | 1004,37 | 903,93 | 821,76 | 753,28 | 695,33 | 645,67 |
| **35К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2417,87 | 2149,22 | 1934,30 | 1758,45 | 1611,91 | 1381,64 | 1208,93 | 1074,61 | 967,15 | 879,23 | 805,96 | 743,96 | 690,82 |
| **35К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2704,85 | 2404,31 | 2163,88 | 1967,17 | 1803,23 | 1545,63 | 1352,43 | 1202,16 | 1081,94 | 983,58 | 901,62 | 832,26 | 772,81 |
| **35К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2835,89 | 2520,79 | 2268,71 | 2062,47 | 1890,59 | 1620,51 | 1417,94 | 1260,40 | 1134,36 | 1031,23 | 945,30 | 872,58 | 810,25 |
| **35К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3182,29 | 2828,70 | 2545,83 | 2314,39 | 2121,52 | 1818,45 | 1591,14 | 1414,35 | 1272,91 | 1157,19 | 1060,76 | 979,16 | 909,22 |
| **35К22** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3554,12 | 3159,22 | 2843,30 | 2584,82 | 2369,42 | 2030,93 | 1777,06 | 1579,61 | 1421,65 | 1292,41 | 1184,71 | 1093,58 | 1015,46 |
| **35К23** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3970,08 | 3528,96 | 3176,06 | 2887,33 | 2646,72 | 2268,61 | 1985,04 | 1764,48 | 1588,03 | 1443,66 | 1323,36 | 1221,56 | 1134,31 |
| **35К24** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 4482,49 | 3984,44 | 3585,99 | 3259,99 | 2988,33 | 2561,42 | 2241,25 | 1992,22 | 1793,00 | 1630,00 | 1494,16 | 1379,23 | 1280,71 |
| **40К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 395,14 | 359,22 | 329,29 | 282,25 | 246,96 | 219,52 | 197,57 | 179,61 | 164,64 | 151,98 | 141,12 |
| **40К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 459,59 | 417,81 | 382,99 | 328,28 | 287,24 | 255,33 | 229,79 | 208,90 | 191,49 | 176,76 | 164,14 |
| **40К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 568,58 | 516,89 | 473,81 | 406,13 | 355,36 | 315,88 | 284,29 | 258,44 | 236,91 | 218,68 | 203,06 |
| **40К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 647,45 | 588,59 | 539,54 | 462,46 | 404,65 | 359,69 | 323,72 | 294,29 | 269,77 | 249,02 | 231,23 |
| **40К4,5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 707,51 | 643,19 | 589,59 | 505,37 | 442,19 | 393,06 | 353,76 | 321,60 | 294,80 | 272,12 | 252,68 |
| **40К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 914,20 | 822,78 | 747,98 | 685,65 | 587,70 | 514,24 | 457,10 | 411,39 | 373,99 | 342,83 | 316,45 | 293,85 |
| **40К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1003,43 | 903,08 | 820,99 | 752,57 | 645,06 | 564,43 | 501,71 | 451,54 | 410,49 | 376,28 | 347,34 | 322,53 |
| **40К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1138,73 | 1024,85 | 931,69 | 854,05 | 732,04 | 640,53 | 569,36 | 512,43 | 465,84 | 427,02 | 394,17 | 366,02 |
| **40К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1277,31 | 1149,58 | 1045,07 | 957,99 | 821,13 | 718,49 | 638,66 | 574,79 | 522,54 | 478,99 | 442,15 | 410,57 |
| **40К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1463,95 | 1317,55 | 1197,78 | 1097,96 | 941,11 | 823,47 | 731,97 | 658,78 | 598,89 | 548,98 | 506,75 | 470,55 |
| **40К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1661,27 | 1495,14 | 1359,22 | 1245,95 | 1067,96 | 934,46 | 830,63 | 747,57 | 679,61 | 622,98 | 575,05 | 533,98 |
| **40К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1857,00 | 1671,30 | 1519,36 | 1392,75 | 1193,79 | 1044,56 | 928,50 | 835,65 | 759,68 | 696,37 | 642,81 | 596,89 |
| **40К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2115,00 | 1903,50 | 1730,45 | 1586,25 | 1359,64 | 1189,68 | 1057,50 | 951,75 | 865,23 | 793,12 | 732,11 | 679,82 |
| **40К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2272,77 | 2045,49 | 1859,54 | 1704,58 | 1461,07 | 1278,43 | 1136,38 | 1022,75 | 929,77 | 852,29 | 786,73 | 730,53 |
| **40К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2593,15 | 2333,84 | 2121,67 | 1944,86 | 1667,03 | 1458,65 | 1296,58 | 1166,92 | 1060,84 | 972,43 | 897,63 | 833,51 |
| **40К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2765,72 | 2489,15 | 2262,86 | 2074,29 | 1777,96 | 1555,72 | 1382,86 | 1244,57 | 1131,43 | 1037,14 | 957,36 | 888,98 |
| **40К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3153,79 | 2838,42 | 2580,38 | 2365,35 | 2027,44 | 1774,01 | 1576,90 | 1419,21 | 1290,19 | 1182,67 | 1091,70 | 1013,72 |
| **40К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 3622,60 | 3260,34 | 2963,94 | 2716,95 | 2328,81 | 2037,71 | 1811,30 | 1630,17 | 1481,97 | 1358,47 | 1253,98 | 1164,41 |
| **40К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 4046,32 | 3641,69 | 3310,62 | 3034,74 | 2601,20 | 2276,05 | 2023,16 | 1820,84 | 1655,31 | 1517,37 | 1400,65 | 1300,60 |
| **40К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 4620,55 | 4158,49 | 3780,45 | 3465,41 | 2970,35 | 2599,06 | 2310,27 | 2079,25 | 1890,22 | 1732,71 | 1599,42 | 1485,18 |
| | **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | |
| **13С1** | 331,70 | 248,78 | 199,02 | 165,85 | 142,16 | 124,39 | 110,57 | 99,51 | 90,46 | 82,93 | 71,08 | 62,19 | 55,28 | 49,76 | 45,23 | 41,46 | 38,27 | 35,54 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



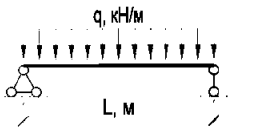



Таблица 6.4.2

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **20С1** | Оп.реб. | 527,36 | 421,89 | 351,57 | 301,35 | 263,68 | 234,38 | 210,94 | 191,77 | 175,79 | 150,67 | 131,84 | 117,19 | 105,47 | 95,88 | 87,89 | 81,13 | 75,34 |
| **25С1** | Оп.реб. | Оп.реб. | 479,11 | 399,26 | 342,22 | 299,44 | 266,17 | 239,55 | 217,78 | 199,63 | 171,11 | 149,72 | 133,09 | 119,78 | 108,89 | 99,81 | 92,14 | 85,55 |
| **25С2** | Оп.реб. | Оп.реб. | 617,69 | 514,74 | 441,20 | 386,05 | 343,16 | 308,84 | 280,77 | 257,37 | 220,60 | 193,03 | 171,58 | 154,42 | 140,38 | 128,68 | 118,79 | 110,30 |
| **30С1** | Оп.реб. | Оп.реб. | 632,32 | 526,94 | 451,66 | 395,20 | 351,29 | 316,16 | 287,42 | 263,47 | 225,83 | 197,60 | 175,65 | 158,08 | 143,71 | 131,73 | 121,60 | 112,91 |
| **30С2** | Оп.реб. | Оп.реб. | 798,80 | 665,67 | 570,57 | 499,25 | 443,78 | 399,40 | 363,09 | 332,83 | 285,29 | 249,63 | 221,89 | 199,70 | 181,55 | 166,42 | 153,62 | 142,64 |
| **32С1** | Оп.реб. | Оп.реб. | 1367,32 | 1139,44 | 976,66 | 854,58 | 759,62 | 683,66 | 621,51 | 569,72 | 488,33 | 427,29 | 379,81 | 341,83 | 310,76 | 284,86 | 262,95 | 244,16 |
| **32С2** | Оп.реб. | Оп.реб. | 1663,08 | 1385,90 | 1187,91 | 1039,43 | 923,93 | 831,54 | 755,95 | 692,95 | 593,96 | 519,71 | 461,97 | 415,77 | 377,97 | 346,48 | 319,82 | 296,98 |
| **35С1** | Оп.реб. | Оп.реб. | Оп.реб. | 658,24 | 564,20 | 493,68 | 438,83 | 394,94 | 359,04 | 329,12 | 282,10 | 246,84 | 219,41 | 197,47 | 179,52 | 164,56 | 151,90 | 141,05 |
| **35С2** | Оп.реб. | Оп.реб. | Оп.реб. | 817,57 | 700,78 | 613,18 | 545,05 | 490,54 | 445,95 | 408,79 | 350,39 | 306,59 | 272,52 | 245,27 | 222,97 | 204,39 | 188,67 | 175,19 |
| **35С3** | Оп.реб. | Оп.реб. | Оп.реб. | 979,83 | 839,85 | 734,87 | 653,22 | 587,90 | 534,45 | 489,91 | 419,93 | 367,44 | 326,61 | 293,95 | 267,23 | 244,96 | 226,11 | 209,96 |
| **40С1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 747,10 | 653,71 | 581,08 | 522,97 | 475,43 | 435,81 | 373,55 | 326,86 | 290,54 | 261,48 | 237,71 | 217,90 | 201,14 | 186,77 |
| **40С2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 903,69 | 790,73 | 702,87 | 632,58 | 575,07 | 527,15 | 451,84 | 395,36 | 351,43 | 316,29 | 287,54 | 263,58 | 243,30 | 225,92 |
| **40С3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1038,06 | 908,30 | 807,38 | 726,64 | 660,58 | 605,53 | 519,03 | 454,15 | 403,69 | 363,32 | 330,29 | 302,77 | 279,48 | 259,51 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| **20ДБ1** | Оп.реб. | 267,61 | 214,08 | 178,40 | 152,92 | 133,80 | 118,94 | 107,04 | 97,31 | 89,20 | 76,46 | 66,90 | 59,47 | 53,52 | 48,66 | 44,60 | 41,17 | 38,23 |
| **20ДБ2** | Оп.реб. | 298,74 | 238,99 | 199,16 | 170,71 | 149,37 | 132,77 | 119,50 | 108,63 | 99,58 | 85,35 | 74,68 | 66,39 | 59,75 | 54,32 | 49,79 | 45,96 | 42,68 |
| **25ДБ1** | Оп.реб. | 335,51 | 268,41 | 223,67 | 191,72 | 167,75 | 149,11 | 134,20 | 122,00 | 111,84 | 95,86 | 83,88 | 74,56 | 67,10 | 61,00 | 55,92 | 51,62 | 47,93 |
| **25ДБ2** | Оп.реб. | Оп.реб. | 288,00 | 240,00 | 205,72 | 180,00 | 160,00 | 144,00 | 130,91 | 120,00 | 102,86 | 90,00 | 80,00 | 72,00 | 65,45 | 60,00 | 55,38 | 51,43 |
| **25ДБ3** | Оп.реб. | Оп.реб. | 332,44 | 277,04 | 237,46 | 207,78 | 184,69 | 166,22 | 151,11 | 138,52 | 118,73 | 103,89 | 92,35 | 83,11 | 75,56 | 69,26 | 63,93 | 59,36 |
| **25ДБ4** | Оп.реб. | 350,54 | 280,43 | 233,69 | 200,31 | 175,27 | 155,79 | 140,21 | 127,47 | 116,85 | 100,15 | 87,63 | 77,90 | 70,11 | 63,73 | 58,42 | 53,93 | 50,08 |
| **25ДБ5** | Оп.реб. | Оп.реб. | 308,10 | 256,75 | 220,07 | 192,56 | 171,16 | 154,05 | 140,04 | 128,37 | 110,03 | 96,28 | 85,58 | 77,02 | 70,02 | 64,19 | 59,25 | 55,02 |

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **25ДБ6** | Оп.реб. | Оп.реб. | 358,03 | 298,36 | 255,74 | 223,77 | 198,91 | 179,02 | 162,74 | 149,18 | 127,87 | 111,89 | 99,45 | 89,51 | 81,37 | 74,59 | 68,85 | 63,93 |
| **30ДБ1** | Оп.реб. | 399,25 | 319,40 | 266,17 | 228,14 | 199,63 | 177,45 | 159,70 | 145,18 | 133,08 | 114,07 | 99,81 | 88,72 | 79,85 | 72,59 | 66,54 | 61,42 | 57,04 |
| **30ДБ2** | Оп.реб. | 445,38 | 356,31 | 296,92 | 254,51 | 222,69 | 197,95 | 178,15 | 161,96 | 148,46 | 127,25 | 111,35 | 98,97 | 89,08 | 80,98 | 74,23 | 68,52 | 63,63 |
| **30ДБ3** | Оп.реб. | Оп.реб. | 322,72 | 268,93 | 230,51 | 201,70 | 179,29 | 161,36 | 146,69 | 134,47 | 115,26 | 100,85 | 89,64 | 80,68 | 73,34 | 67,23 | 62,06 | 57,63 |
| **30ДБ4** | Оп.реб. | Оп.реб. | 369,37 | 307,80 | 263,83 | 230,85 | 205,20 | 184,68 | 167,89 | 153,90 | 131,92 | 115,43 | 102,60 | 92,34 | 83,95 | 76,95 | 71,03 | 65,96 |
| **30ДБ5** | Оп.реб. | Оп.реб. | 428,71 | 357,26 | 306,22 | 267,94 | 238,17 | 214,35 | 194,87 | 178,63 | 153,11 | 133,97 | 119,09 | 107,18 | 97,43 | 89,31 | 82,44 | 76,56 |
| **30ДБ6** | Оп.реб. | Оп.реб. | 326,31 | 271,92 | 233,08 | 203,94 | 181,28 | 163,15 | 148,32 | 135,96 | 116,54 | 101,97 | 90,64 | 81,58 | 74,16 | 67,98 | 62,75 | 58,27 |
| **30ДБ7** | Оп.реб. | Оп.реб. | 368,05 | 306,71 | 262,90 | 230,03 | 204,47 | 184,03 | 167,30 | 153,36 | 131,45 | 115,02 | 102,24 | 92,01 | 83,65 | 76,68 | 70,78 | 65,72 |
| **30ДБ8** | Оп.реб. | Оп.реб. | 435,25 | 362,71 | 310,89 | 272,03 | 241,80 | 217,62 | 197,84 | 181,35 | 155,45 | 136,01 | 120,90 | 108,81 | 98,92 | 90,68 | 83,70 | 77,72 |
| **35ДБ1** | Оп.реб. | 441,27 | 353,02 | 294,18 | 252,15 | 220,63 | 196,12 | 176,51 | 160,46 | 147,09 | 126,08 | 110,32 | 98,06 | 88,25 | 80,23 | 73,54 | 67,89 | 63,04 |
| **35ДБ2** | Оп.реб. | 501,45 | 401,16 | 334,30 | 286,54 | 250,72 | 222,87 | 200,58 | 182,34 | 167,15 | 143,27 | 125,36 | 111,43 | 100,29 | 91,17 | 83,57 | 77,15 | 71,64 |
| **35ДБ3** | Оп.реб. | Оп.реб. | 430,19 | 358,49 | 307,28 | 268,87 | 238,99 | 215,09 | 195,54 | 179,24 | 153,64 | 134,43 | 119,50 | 107,55 | 97,77 | 89,62 | 82,73 | 76,82 |
| **35ДБ4** | Оп.реб. | Оп.реб. | 454,16 | 378,47 | 324,40 | 283,85 | 252,31 | 227,08 | 206,44 | 189,23 | 162,20 | 141,93 | 126,16 | 113,54 | 103,22 | 94,62 | 87,34 | 81,10 |
| **35ДБ5** | Оп.реб. | Оп.реб. | 501,42 | 417,85 | 358,16 | 313,39 | 278,57 | 250,71 | 227,92 | 208,93 | 179,08 | 156,69 | 139,28 | 125,36 | 113,96 | 104,46 | 96,43 | 89,54 |
| **35ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 485,87 | 416,46 | 364,40 | 323,91 | 291,52 | 265,02 | 242,93 | 208,23 | 182,20 | 161,96 | 145,76 | 132,51 | 121,47 | 112,12 | 104,11 |
| **35ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 431,21 | 377,31 | 335,38 | 301,85 | 274,40 | 251,54 | 215,60 | 188,65 | 167,69 | 150,92 | 137,20 | 125,77 | 116,09 | 107,80 |
| **35ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 479,78 | 419,81 | 373,16 | 335,85 | 305,32 | 279,87 | 239,89 | 209,90 | 186,58 | 167,92 | 152,66 | 139,94 | 129,17 | 119,95 |
| **35ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 523,16 | 457,76 | 406,90 | 366,21 | 332,92 | 305,17 | 261,58 | 228,88 | 203,45 | 183,10 | 166,46 | 152,59 | 140,85 | 130,79 |
| **35ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 583,59 | 510,64 | 453,90 | 408,51 | 371,37 | 340,43 | 291,79 | 255,32 | 226,95 | 204,26 | 185,69 | 170,21 | 157,12 | 145,90 |
| **40ДБ1** | Оп.реб. | 553,25 | 442,60 | 368,84 | 316,14 | 276,63 | 245,89 | 221,30 | 201,18 | 184,42 | 158,07 | 138,31 | 122,95 | 110,65 | 100,59 | 92,21 | 85,12 | 79,04 |
| **40ДБ2** | Оп.реб. | Оп.реб. | 491,63 | 409,69 | 351,16 | 307,27 | 273,13 | 245,81 | 223,47 | 204,85 | 175,58 | 153,63 | 136,56 | 122,91 | 111,73 | 102,42 | 94,54 | 87,79 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

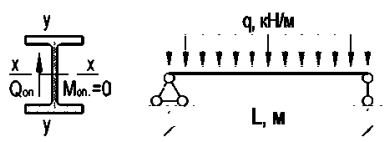


Таблица 6.4.2

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40ДБ3** | Оп.реб. | Оп.реб. | 532,69 | 443,91 | 380,49 | 332,93 | 295,94 | 266,34 | 242,13 | 221,95 | 190,25 | 166,46 | 147,97 | 133,17 | 121,07 | 110,98 | 102,44 | 95,12 |
| **40ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 462,51 | 396,44 | 346,89 | 308,34 | 277,51 | 252,28 | 231,26 | 198,22 | 173,44 | 154,17 | 138,75 | 126,14 | 115,63 | 106,73 | 99,11 |
| **40ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 529,88 | 454,18 | 397,41 | 353,25 | 317,93 | 289,03 | 264,94 | 227,09 | 198,71 | 176,63 | 158,96 | 144,51 | 132,47 | 122,28 | 113,55 |
| **40ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 586,49 | 502,70 | 439,86 | 390,99 | 351,89 | 319,90 | 293,24 | 251,35 | 219,93 | 195,50 | 175,95 | 159,95 | 146,62 | 135,34 | 125,68 |
| **40ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 662,57 | 567,92 | 496,93 | 441,72 | 397,54 | 361,40 | 331,29 | 283,96 | 248,47 | 220,86 | 198,77 | 180,70 | 165,64 | 152,90 | 141,98 |
| **45ДБ1** | Оп.реб. | Оп.реб. | 591,06 | 492,55 | 422,19 | 369,41 | 328,37 | 295,53 | 268,66 | 246,28 | 211,09 | 184,71 | 164,18 | 147,77 | 134,33 | 123,14 | 113,67 | 105,55 |
| **45ДБ2** | Оп.реб. | Оп.реб. | 633,57 | 527,97 | 452,55 | 395,98 | 351,98 | 316,78 | 287,99 | 263,99 | 226,27 | 197,99 | 175,99 | 158,39 | 143,99 | 131,99 | 121,84 | 113,14 |
| **45ДБ3** | Оп.реб. | Оп.реб. | 724,70 | 603,92 | 517,64 | 452,94 | 402,61 | 362,35 | 329,41 | 301,96 | 258,82 | 226,47 | 201,31 | 181,17 | 164,70 | 150,98 | 139,37 | 129,41 |
| **45ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 641,26 | 549,65 | 480,94 | 427,51 | 384,76 | 349,78 | 320,63 | 274,83 | 240,47 | 213,75 | 192,38 | 174,89 | 160,31 | 147,98 | 137,41 |
| **45ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 705,53 | 604,74 | 529,14 | 470,35 | 423,32 | 384,83 | 352,76 | 302,37 | 264,57 | 235,18 | 211,66 | 192,42 | 176,38 | 162,81 | 151,18 |
| **45ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 564,06 | 483,48 | 423,04 | 376,04 | 338,43 | 307,67 | 282,03 | 241,74 | 211,52 | 188,02 | 169,22 | 153,83 | 141,01 | 130,17 | 120,87 |
| **45ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 603,26 | 517,08 | 452,45 | 402,18 | 361,96 | 329,05 | 301,63 | 258,54 | 226,22 | 201,09 | 180,98 | 164,53 | 150,82 | 139,21 | 129,27 |
| **45ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | 665,99 | 570,85 | 499,49 | 443,99 | 399,59 | 363,27 | 332,99 | 285,42 | 249,75 | 222,00 | 199,80 | 181,63 | 166,50 | 153,69 | 142,71 |
| **45ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | 710,62 | 609,11 | 532,97 | 473,75 | 426,37 | 387,61 | 355,31 | 304,55 | 266,48 | 236,87 | 213,19 | 193,81 | 177,66 | 163,99 | 152,28 |
| **45ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | 773,88 | 663,32 | 580,41 | 515,92 | 464,33 | 422,11 | 386,94 | 331,66 | 290,20 | 257,96 | 232,16 | 211,06 | 193,47 | 178,59 | 165,83 |
| **45ДБ11** | Оп.реб. | Оп.реб. | Оп.реб. | 836,97 | 717,40 | 627,73 | 557,98 | 502,18 | 456,53 | 418,49 | 358,70 | 313,86 | 278,99 | 251,09 | 228,26 | 209,24 | 193,15 | 179,35 |
| **53ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | 792,88 | 679,61 | 594,66 | 528,59 | 475,73 | 432,48 | 396,44 | 339,80 | 297,33 | 264,29 | 237,86 | 216,24 | 198,22 | 182,97 | 169,90 |
| **53ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 731,60 | 640,15 | 569,02 | 512,12 | 465,57 | 426,77 | 365,80 | 320,08 | 284,51 | 256,06 | 232,78 | 213,38 | 196,97 | 182,90 |
| **53ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 780,49 | 682,92 | 607,04 | 546,34 | 496,67 | 455,28 | 390,24 | 341,46 | 303,52 | 273,17 | 248,34 | 227,64 | 210,13 | 195,12 |
| **53ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 864,95 | 756,83 | 672,74 | 605,47 | 550,43 | 504,56 | 432,48 | 378,42 | 336,37 | 302,73 | 275,21 | 252,28 | 232,87 | 216,24 |
| **53ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 975,03 | 853,15 | 758,36 | 682,52 | 620,48 | 568,77 | 487,52 | 426,58 | 379,18 | 341,26 | 310,24 | 284,38 | 262,51 | 243,76 |

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **60ДБ1** | Оп.реб. | Оп.реб. | Оп.реб. | 847,34 | 726,29 | 635,50 | 564,89 | 508,40 | 462,18 | 423,67 | 363,15 | 317,75 | 282,45 | 254,20 | 231,09 | 211,83 | 195,54 | 181,57 |
| **60ДБ2** | Оп.реб. | Оп.реб. | Оп.реб. | 932,26 | 799,08 | 699,20 | 621,51 | 559,36 | 508,51 | 466,13 | 399,54 | 349,60 | 310,75 | 279,68 | 254,25 | 233,07 | 215,14 | 199,77 |
| **60ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 788,08 | 689,57 | 612,95 | 551,65 | 501,50 | 459,71 | 394,04 | 344,78 | 306,47 | 275,83 | 250,75 | 229,86 | 212,17 | 197,02 |
| **60ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 849,51 | 743,32 | 660,73 | 594,66 | 540,60 | 495,55 | 424,75 | 371,66 | 330,36 | 297,33 | 270,30 | 247,77 | 228,71 | 212,38 |
| **60ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 909,62 | 795,92 | 707,48 | 636,73 | 578,85 | 530,61 | 454,81 | 397,96 | 353,74 | 318,37 | 289,42 | 265,31 | 244,90 | 227,41 |
| **60ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 860,99 | 765,32 | 688,79 | 626,17 | 573,99 | 491,99 | 430,50 | 382,66 | 344,40 | 313,09 | 287,00 | 264,92 | 246,00 |
| | **Тип ДК - Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| **10ДК1** | 139,79 | 104,84 | 83,87 | 69,90 | 59,91 | 52,42 | 46,60 | 41,94 | 38,12 | 34,95 | 29,96 | 26,21 | 23,30 | 20,97 | 19,06 | 17,47 | 16,13 | 14,98 |
| **10ДК2** | 172,30 | 129,22 | 103,38 | 86,15 | 73,84 | 64,61 | 57,43 | 51,69 | 46,99 | 43,07 | 36,92 | 32,31 | 28,72 | 25,84 | 23,50 | 21,54 | 19,88 | 18,46 |
| **10ДК3** | 386,82 | 290,12 | 232,09 | 193,41 | 165,78 | 145,06 | 128,94 | 116,05 | 105,50 | 96,71 | 82,89 | 72,53 | 64,47 | 58,02 | 52,75 | 48,35 | 44,63 | 41,45 |
| **12ДК1** | 169,19 | 126,89 | 101,51 | 84,59 | 72,51 | 63,45 | 56,40 | 50,76 | 46,14 | 42,30 | 36,25 | 31,72 | 28,20 | 25,38 | 23,07 | 21,15 | 19,52 | 18,13 |
| **12ДК2** | 226,06 | 169,55 | 135,64 | 113,03 | 96,88 | 84,77 | 75,35 | 67,82 | 61,65 | 56,52 | 48,44 | 42,39 | 37,68 | 33,91 | 30,83 | 28,26 | 26,08 | 24,22 |
| **12ДК3** | 467,35 | 350,51 | 280,41 | 233,67 | 200,29 | 175,26 | 155,78 | 140,20 | 127,46 | 116,84 | 100,15 | 87,63 | 77,89 | 70,10 | 63,73 | 58,42 | 53,92 | 50,07 |
| **14ДК1** | Оп.реб. | 163,34 | 130,67 | 108,89 | 93,34 | 81,67 | 72,60 | 65,34 | 59,40 | 54,45 | 46,67 | 40,83 | 36,30 | 32,67 | 29,70 | 27,22 | 25,13 | 23,33 |
| **14ДК2** | Оп.реб. | 214,69 | 171,75 | 143,12 | 122,68 | 107,34 | 95,42 | 85,87 | 78,07 | 71,56 | 61,34 | 53,67 | 47,71 | 42,94 | 39,03 | 35,78 | 33,03 | 30,67 |
| **14ДК3** | Оп.реб. | 424,69 | 339,75 | 283,13 | 242,68 | 212,35 | 188,75 | 169,88 | 154,43 | 141,56 | 121,34 | 106,17 | 94,38 | 84,94 | 77,22 | 70,78 | 65,34 | 60,67 |
| **15ДК1** | 264,14 | 198,11 | 158,49 | 132,07 | 113,20 | 99,05 | 88,05 | 79,24 | 72,04 | 66,04 | 56,60 | 49,53 | 44,02 | 39,62 | 36,02 | 33,02 | 30,48 | 28,30 |
| **15ДК2** | Оп.реб. | 231,34 | 185,07 | 154,23 | 132,20 | 115,67 | 102,82 | 92,54 | 84,12 | 77,11 | 66,10 | 57,84 | 51,41 | 46,27 | 42,06 | 38,56 | 35,59 | 33,05 |
| **15ДК3** | Оп.реб. | 289,37 | 231,49 | 192,91 | 165,35 | 144,68 | 128,61 | 115,75 | 105,22 | 96,46 | 82,68 | 72,34 | 64,30 | 57,87 | 52,61 | 48,23 | 44,52 | 41,34 |
| **16ДК1** | Оп.реб. | 204,25 | 163,40 | 136,17 | 116,71 | 102,12 | 90,78 | 81,70 | 74,27 | 68,08 | 58,36 | 51,06 | 45,39 | 40,85 | 37,14 | 34,04 | 31,42 | 29,18 |
| **16ДК2** | Оп.реб. | 280,94 | 224,75 | 187,29 | 160,54 | 140,47 | 124,86 | 112,38 | 102,16 | 93,65 | 80,27 | 70,23 | 62,43 | 56,19 | 51,08 | 46,82 | 43,22 | 40,13 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

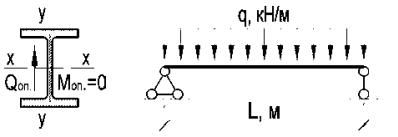


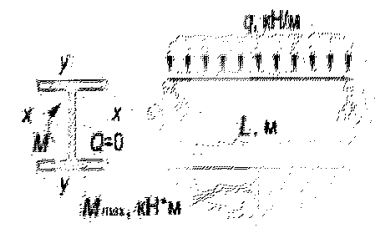
Таблица 6.4.2

| С440Б | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $Q_{max}$ для шарнирно опёртых балок 1-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 16ДК3 | Оп.реб. | 515,48 | 412,39 | 343,66 | 294,56 | 257,74 | 229,10 | 206,19 | 187,45 | 171,83 | 147,28 | 128,87 | 114,55 | 103,10 | 93,72 | 85,91 | 79,31 | 73,64 |
| 18ДК1 | Оп.реб. | Оп.реб. | 184,99 | 154,16 | 132,13 | 115,62 | 102,77 | 92,49 | 84,09 | 77,08 | 66,07 | 57,81 | 51,39 | 46,25 | 42,04 | 38,54 | 35,57 | 33,03 |
| 18ДК2 | Оп.реб. | Оп.реб. | 264,18 | 220,15 | 188,70 | 165,11 | 146,76 | 132,09 | 120,08 | 110,07 | 94,35 | 82,56 | 73,38 | 66,04 | 60,04 | 55,04 | 50,80 | 47,17 |
| 18ДК3 | Оп.реб. | Оп.реб. | 478,70 | 398,92 | 341,93 | 299,19 | 265,94 | 239,35 | 217,59 | 199,46 | 170,96 | 149,59 | 132,97 | 119,68 | 108,80 | 99,73 | 92,06 | 85,48 |
| 20ДК1 | Оп.реб. | Оп.реб. | 263,53 | 219,61 | 188,24 | 164,71 | 146,41 | 131,77 | 119,79 | 109,81 | 94,12 | 82,35 | 73,20 | 65,88 | 59,89 | 54,90 | 50,68 | 47,06 |
| 20ДК2 | Оп.реб. | Оп.реб. | 291,83 | 243,19 | 208,45 | 182,39 | 162,13 | 145,91 | 132,65 | 121,59 | 104,22 | 91,20 | 81,06 | 72,96 | 66,32 | 60,80 | 56,12 | 52,11 |
| 20ДК3 | Оп.реб. | Оп.реб. | 340,05 | 283,37 | 242,89 | 212,53 | 188,91 | 170,02 | 154,57 | 141,69 | 121,44 | 106,26 | 94,46 | 85,01 | 77,28 | 70,84 | 65,39 | 60,72 |
| 20ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | 323,46 | 277,25 | 242,59 | 215,64 | 194,07 | 176,43 | 161,73 | 138,62 | 121,30 | 107,82 | 97,04 | 88,22 | 80,86 | 74,64 | 69,31 |
| 20ДК5 | Оп.реб. | Оп.реб. | 489,11 | 407,59 | 349,37 | 305,70 | 271,73 | 244,56 | 222,32 | 203,80 | 174,68 | 152,85 | 135,86 | 122,28 | 111,16 | 101,90 | 94,06 | 87,34 |
| 20ДК6 | Оп.реб. | Оп.реб. | 557,11 | 464,26 | 397,93 | 348,19 | 309,50 | 278,55 | 253,23 | 232,13 | 198,97 | 174,10 | 154,75 | 139,28 | 126,62 | 116,06 | 107,14 | 99,48 |
| 25ДК1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 280,59 | 245,51 | 218,23 | 196,41 | 178,55 | 163,68 | 140,29 | 122,76 | 109,12 | 98,21 | 89,28 | 81,84 | 75,54 | 70,15 |
| 25ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 308,84 | 270,23 | 240,21 | 216,19 | 196,53 | 180,16 | 154,42 | 135,12 | 120,10 | 108,09 | 98,27 | 90,08 | 83,15 | 77,21 |
| 25ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 354,59 | 310,26 | 275,79 | 248,21 | 225,65 | 206,84 | 177,29 | 155,13 | 137,90 | 124,11 | 112,82 | 103,42 | 95,47 | 88,65 |
| 25ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 397,54 | 347,85 | 309,20 | 278,28 | 252,98 | 231,90 | 198,77 | 173,93 | 154,60 | 139,14 | 126,49 | 115,95 | 107,03 | 99,39 |

Примечание:

- Описание таблицы приведено в п. 6.4.6 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией

**ТАБЛИЦА 6.4.3** – Предельная равномерно распределённая нагрузка ( $q$ ) на балку по предельному изгибающему моменту ( $M_{max}$ ) в середине пролета при расчётах на прочность шарнирно опёртых балок 2-го класса (с учетом развития пластических деформаций). при изгибе в плоскости с наибольшей жёсткостью *y-y*




| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **Тип Б - Балочные нормальные двутавры** | | | | | | | | | | | | | | | | | | |
| **10Б1** | 32.94 | 18.53 | 11.86 | 8.24 | 6.05 | 4.63 | 3.66 | 2.96 | 2.45 | 2.06 | 1.51 | 1.16 | 0.92 | 0.74 | 0.61 | 0.51 | 0.44 | 0.38 |
| **12Б1** | 42.44 | 23.87 | 15.28 | 10.61 | 7.79 | 5.97 | 4.72 | 3.82 | 3.16 | 2.65 | 1.95 | 1.49 | 1.18 | 0.95 | 0.79 | 0.66 | 0.57 | 0.49 |
| **12Б2** | 51.10 | 28.74 | 18.40 | 12.78 | 9.39 | 7.19 | 5.68 | 4.60 | 3.80 | 3.19 | 2.35 | 1.80 | 1.42 | 1.15 | 0.95 | 0.80 | 0.68 | 0.59 |
| **14Б1** | 61.04 | 34.33 | 21.97 | 15.26 | 11.21 | 8.58 | 6.78 | 5.49 | 4.54 | 3.81 | 2.80 | 2.15 | 1.70 | 1.37 | 1.13 | 0.95 | 0.81 | 0.70 |
| **14Б2** | 74.56 | 41.94 | 26.84 | 18.64 | 13.69 | 10.48 | 8.28 | 6.71 | 5.55 | 4.66 | 3.42 | 2.62 | 2.07 | 1.68 | 1.39 | 1.16 | 0.99 | 0.86 |
| **16Б1** | 84.81 | 47.71 | 30.53 | 21.20 | 15.58 | 11.93 | 9.42 | 7.63 | 6.31 | 5.30 | 3.89 | 2.98 | 2.36 | 1.91 | 1.58 | 1.33 | 1.13 | 0.97 |
| **16Б2** | 104.97 | 59.05 | 37.79 | 26 24 | 19.28 | 14.76 | 11.66 | 9.45 | 7.81 | 6.56 | 4.82 | 3.69 | 2.92 | 2.36 | 1.95 | 1.64 | 1.40 | 1.21 |
| **18Б1** | 115.95 | 65.22 | 41.74 | 28.99 | 21.30 | 16.31 | 12.88 | 10.44 | 8.62 | 7.25 | 5.32 | 4.08 | 3.22 | 2.61 | 2.16 | 1.81 | 1.54 | 1.33 |
| **18Б2** | 141.260 | 79.459 | 50.854 | 35.315 | 25.946 | 19.865 | 15.696 | 12.713 | 10.507 | 8.829 | 6.486 | 4.966 | 3.924 | 3.178 | 2.627 | 2.207 | 1.881 | 1.622 |
| **20Б0** | 154.497 | 86.904 | 55.619 | 38.624 | 28.377 | 21.726 | 17.166 | 13.905 | 11.491 | 9.656 | 7.094 | 5.432 | 4.292 | 3.476 | 2.873 | 2.414 | 2.057 | 1.774 |
| **20Б1** | 178.431 | 100.367 | 64.235 | 44.608 | 32.773 | 25.092 | 19.826 | 16.059 | 13.272 | 11.152 | 8.193 | 6.273 | 4.956 | 4.015 | 3.318 | 2.788 | 2.376 | 2.048 |
| **20Б2** | 212.143 | 119.330 | 76.371 | 53.036 | 38.965 | 29.833 | 23.571 | 19.093 | 15.779 | 13.259 | 9.741 | 7.458 | 5.893 | 4.773 | 3.945 | 3.315 | 2.824 | 2.435 |
| **20Б3** | 254.120 | 142.942 | 91.483 | 63.530 | 46.675 | 35.736 | 28.236 | 22.871 | 18.901 | 15.882 | 11.669 | 8.934 | 7.059 | 5.718 | 4.725 | 3.971 | 3.383 | 2.917 |
| **25Б1** | 274.736 | 154.539 | 98.905 | 68.684 | 50.462 | 38.635 | 30.526 | 24.726 | 20.435 | 17.171 | 12.615 | 9.659 | 7.632 | 6.182 | 5.109 | 4.293 | 3.658 | 3.154 |
| **25Б2** | 313.684 | 176.447 | 112.926 | 78.421 | 57.615 | 44.112 | 34.854 | 28.232 | 23.332 | 19.605 | 14.404 | 11.028 | 8.713 | 7.058 | 5.833 | 4.901 | 4.176 | 3.601 |
| **25Б3** | 381.136 | 214.389 | 137.209 | 95.284 | 70.005 | 53.597 | 42.348 | 34.302 | 28.349 | 23.821 | 17.501 | 13.399 | 10.587 | 8.576 | 7.087 | 5.955 | 5.074 | 4.375 |
| **25Б4** | 461.942 | 259.842 | 166.299 | 115.486 | 84.847 | 64.961 | 51.327 | 41.575 | 34.359 | 28.871 | 21.212 | 16.240 | 12.832 | 10.394 | 8.590 | 7.218 | 6.150 | 5.303 |
| **30Б1** | 411.995 | 231.747 | 148.318 | 102.999 | 75.672 | 57.937 | 45.777 | 37.080 | 30.644 | 25.750 | 18.918 | 14.484 | 11.444 | 9.270 | 7.661 | 6.437 | 5.485 | 4.730 |
| **30Б2** | 468.751 | 263.672 | 168.750 | 117.188 | 86.097 | 65.918 | 52.083 | 42.188 | 34.866 | 29.297 | 21.524 | 16.480 | 13.021 | 10.547 | 8.716 | 7.324 | 6.241 | 5.381 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **30Б3** | 566.159 | 318.464 | 203.817 | 141.540 | 103.988 | 79.616 | 62.907 | 50.954 | 42.111 | 35.385 | 25.997 | 19.904 | 15.727 | 12.739 | 10.528 | 8.846 | 7.538 | 6.499 |
| **30Б4** | 683.073 | 384.229 | 245.906 | 170.768 | 125.462 | 96.057 | 75.897 | 61.477 | 50.807 | 42.692 | 31.366 | 24.014 | 18.974 | 15.369 | 12.702 | 10.673 | 9.094 | 7.841 |
| **35Б1** | 621.301 | 349.482 | 223.668 | 155.325 | 114.117 | 87.370 | 69.033 | 55.917 | 46.212 | 38.831 | 28.529 | 21.843 | 17.258 | 13.979 | 11.553 | 9.708 | 8.272 | 7.132 |
| **35Б2** | 718.313 | 404.051 | 258.593 | 179.578 | 131.935 | 101.013 | 79.813 | 64.648 | 53.428 | 44.895 | 32.984 | 25.253 | 19.953 | 16.162 | 13.357 | 11.224 | 9.563 | 8.246 |
| **35Б3** | 875.690 | 492.576 | 315.249 | 218.923 | 160.841 | 123.144 | 97.299 | 78.812 | 65.134 | 54.731 | 40.210 | 30.786 | 24.325 | 19.703 | 16.283 | 13.683 | 11.659 | 10.053 |
| **35Б4** | 1058.938 | 595.652 | 381.218 | 264.734 | 194.499 | 148.913 | 117.660 | 95.304 | 78.764 | 66.184 | 48.625 | 37.228 | 29.415 | 23.826 | 19.691 | 16.546 | 14.098 | 12.156 |
| **40Б1** | 937.247 | 527.202 | 337.409 | 234.312 | 172.147 | 131.800 | 104.139 | 84.352 | 69.713 | 58.578 | 43.037 | 32.950 | 26.035 | 21.088 | 17.428 | 14.644 | 12.478 | 10.759 |
| **40Б2** | 1095.232 | 616.068 | 394.284 | 273.808 | 201.165 | 154.017 | 121.692 | 98.571 | 81.464 | 68.452 | 50.291 | 38.504 | 30.423 | 24.643 | 20.366 | 17.113 | 14.581 | 12.573 |
| **40Б3** | 1331.998 | 749.249 | 479.519 | 333.000 | 244.653 | 187.312 | 148.000 | 119.880 | 99.074 | 83.250 | 61.163 | 46.828 | 37.000 | 29.970 | 24.769 | 20.812 | 17.734 | 15.291 |
| **40Б4** | 1570.215 | 883.246 | 565.277 | 392.554 | 288.407 | 220.811 | 174.468 | 141.319 | 116.793 | 98.138 | 72.102 | 55.203 | 43.617 | 35.330 | 29.198 | 24.535 | 20.905 | 18.025 |
| **45Б1** | 1207.257 | 679.082 | 434.613 | 301.814 | 221.741 | 169.771 | 134.140 | 108.653 | 89.796 | 75.454 | 55.435 | 42.443 | 33.535 | 27.163 | 22.449 | 18.863 | 16.073 | 13.859 |
| **45Б2** | 1391.073 | 782.479 | 500.786 | 347.768 | 255.503 | 195.620 | 154.564 | 125.197 | 103.468 | 86.942 | 63.876 | 48.905 | 38.641 | 31.299 | 25.867 | 21.736 | 18.520 | 15.969 |
| **45Б3** | 1665.614 | 936.908 | 599.621 | 416.403 | 305.929 | 234.227 | 185.068 | 149.905 | 123.889 | 104.101 | 76.482 | 58.557 | 46.267 | 37.476 | 30.972 | 26.025 | 22.175 | 19.121 |
| **45Б4** | 1941.582 | 1092.140 | 698.970 | 485.396 | 356.617 | 273.035 | 215.731 | 174.742 | 144.415 | 121.349 | 89.154 | 68.259 | 53.933 | 43.686 | 36.104 | 30.337 | 25.849 | 22.289 |
| **50Б1** | 1421.483 | 799.584 | 511.734 | 355.371 | 261.089 | 199.896 | 157.943 | 127.933 | 105.730 | 88.843 | 65.272 | 49.974 | 39.486 | 31.983 | 26.433 | 22.211 | 18.925 | 16.318 |
| **50Б2** | 1590.023 | 894.388 | 572.408 | 397.506 | 292.045 | 223.597 | 176.669 | 143.102 | 118.266 | 99.376 | 73.011 | 55.899 | 44.167 | 35.776 | 29.567 | 24.844 | 21.169 | 18.253 |
| **50Б3** | 1799.260 | 1012.084 | 647.734 | 449.815 | 330.476 | 253.021 | 199.918 | 161.933 | 133.829 | 112.454 | 82.619 | 63.255 | 49.979 | 40.483 | 33.457 | 28.113 | 23.955 | 20.655 |
| **50Б4** | 2212.069 | 1244.289 | 796.345 | 553.017 | 406.298 | 311.072 | 245.785 | 199.086 | 164.534 | 138.254 | 101.575 | 77.768 | 61.446 | 49.772 | 41.134 | 34.564 | 29.451 | 25.394 |
| **50Б5** | 2559.622 | 1439.788 | 921.464 | 639.906 | 470.135 | 359.947 | 284.402 | 230.366 | 190.385 | 159.976 | 117.534 | 89.987 | 71.101 | 57.592 | 47.596 | 39.994 | 34.078 | 29.383 |
| **55Б1** | 1941.679 | 1092.194 | 699.004 | 485.420 | 356.635 | 273.049 | 215.742 | 174.751 | 144.422 | 121.355 | 89.159 | 68.262 | 53.936 | 43.688 | 36.106 | 30.339 | 25.851 | 22.290 |
| **55Б2** | 2162.849 | 1216.602 | 778.626 | 540.712 | 397.258 | 304.151 | 240.317 | 194.656 | 160.873 | 135.178 | 99.314 | 76.038 | 60.079 | 48.664 | 40.218 | 33.795 | 28.795 | 24.829 |
| **55Б3** | 2566.159 | 1443.464 | 923.817 | 641.540 | 471.335 | 360.866 | 285.129 | 230.954 | 190.871 | 160.385 | 117.834 | 90.217 | 71.282 | 57.739 | 47.718 | 40.096 | 34.165 | 29.458 |
| **55Б4** | 2894.754 | 1628.299 | 1042.111 | 723.689 | 531.690 | 407.075 | 321.639 | 260.528 | 215.312 | 180.922 | 132.922 | 101.769 | 80.410 | 65.132 | 53.828 | 45.231 | 38.540 | 33.231 |
| **60Б1** | 2198.532 | 1236.674 | 791.472 | 549.633 | 403.812 | 309.169 | 244.281 | 197.868 | 163.527 | 137.408 | 100.953 | 77.292 | 61.070 | 49.467 | 40.882 | 34.352 | 29.270 | 25.238 |
| **60Б2** | 2463.258 | 1385.582 | 886.773 | 615.814 | 452.435 | 346.396 | 273.695 | 221.693 | 183.218 | 153.954 | 113.109 | 86.599 | 68.424 | 55.423 | 45.804 | 38.488 | 32.795 | 28.277 |
| **60Б3** | 2758.923 | 1551.894 | 993.212 | 689.731 | 506.741 | 387.974 | 306.547 | 248.303 | 205.209 | 172.433 | 126.685 | 96.993 | 76.637 | 62.076 | 51.302 | 43.108 | 36.731 | 31.671 |
| **60Б4** | 3174.841 | 1785.848 | 1142.943 | 793.710 | 583.134 | 446.462 | 352.760 | 285.736 | 236.145 | 198.428 | 145.784 | 111.616 | 88.190 | 71.434 | 59.036 | 49.607 | 42.269 | 36.446 |
| **70Б1** | 3480.899 | 1958.006 | 1253.124 | 870.225 | 639.349 | 489.501 | 386.767 | 313.281 | 258.910 | 217.556 | 159.837 | 122.375 | 96.692 | 78.320 | 64.727 | 54.389 | 46.343 | 39.959 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

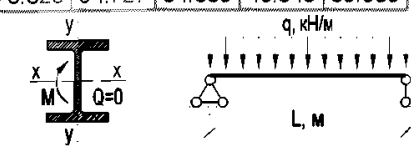


Таблица 6.4.3

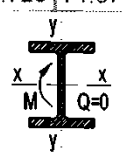
| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 70Б2 | 4012.321 | 2256.930 | 1444.435 | 1003.080 | 736.957 | 564.233 | 445.813 | 361.109 | 298.437 | 250.770 | 184.239 | 141.058 | 111.453 | 90.277 | 74.609 | 62.693 | 53.418 | 46.060 |
| 70Б3 | 4332.337 | 2436.939 | 1559.641 | 1083.084 | 795.735 | 609.235 | 481.371 | 389.910 | 322.240 | 270.771 | 198.934 | 152.309 | 120.343 | 97.478 | 80.560 | 67.693 | 57.679 | 49.733 |
| 70Б4 | 5113.462 | 2876.322 | 1840.846 | 1278.365 | 939.207 | 719.081 | 568.162 | 460.212 | 380.340 | 319.591 | 234.802 | 179.770 | 142.041 | 115.053 | 95.085 | 79.898 | 68.079 | 58.700 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 207.117 | 116.503 | 74.562 | 51.779 | 38.042 | 29.126 | 23.013 | 18.641 | 15.405 | 12.945 | 9.510 | 7.281 | 5.753 | 4.660 | 3.851 | 3.236 | 2.757 | 2.378 |
| 20Ш1 | 261.684 | 147.197 | 94.206 | 65.421 | 48.064 | 36.799 | 29.076 | 23.552 | 19.464 | 16.355 | 12.016 | 9.200 | 7.269 | 5.888 | 4.866 | 4.089 | 3.484 | 3.004 |
| 20Ш2 | 318.556 | 179.188 | 114.680 | 79.639 | 58.510 | 44.797 | 35.395 | 28.670 | 23.694 | 19.910 | 14.628 | 11.199 | 8.849 | 7.168 | 5.924 | 4.977 | 4.241 | 3.657 |
| 20Ш3 | 386.758 | 217.552 | 139.233 | 96.690 | 71.037 | 54.388 | 42.973 | 34.808 | 28.767 | 24.172 | 17.759 | 13.597 | 10.743 | 8.702 | 7.192 | 6.043 | 5.149 | 4.440 |
| 20Ш4 | 487.511 | 274.225 | 175.504 | 121.878 | 89.543 | 68.556 | 54.168 | 43.876 | 36.261 | 30.469 | 22.386 | 17.139 | 13.542 | 10.969 | 9.065 | 7.617 | 6.491 | 5.596 |
| 20Ш5 | 564.325 | 317.433 | 203.157 | 141.081 | 103.651 | 79.358 | 62.703 | 50.789 | 41.975 | 35.270 | 25.913 | 19.840 | 15.676 | 12.697 | 10.494 | 8.818 | 7.513 | 6.478 |
| 20Ш6 | 705.426 | 396.802 | 253.953 | 176.356 | 129.568 | 99.200 | 78.381 | 63.488 | 52.470 | 44.089 | 32.392 | 24.800 | 19.595 | 15.872 | 13.117 | 11.022 | 9.392 | 8.098 |
| 25Ш0 | 392.862 | 220.985 | 141.430 | 98.215 | 72.158 | 55.246 | 43.651 | 35.358 | 29.221 | 24.554 | 18.040 | 13.812 | 10.913 | 8.839 | 7.305 | 6.138 | 5.230 | 4.510 |
| 25Ш1 | 455.110 | 255.999 | 163.840 | 113.777 | 83.592 | 64.000 | 50.568 | 40.960 | 33.851 | 28.444 | 20.898 | 16.000 | 12.642 | 10.240 | 8.463 | 7.111 | 6.059 | 5.224 |
| 25Ш2 | 555.099 | 312.243 | 199.836 | 138.775 | 101.957 | 78.061 | 61.678 | 49.959 | 41.288 | 34.694 | 25.489 | 19.515 | 15.419 | 12.490 | 10.322 | 8.673 | 7.390 | 6.372 |
| 25Ш3 | 694.792 | 390.821 | 250.125 | 173.698 | 127.615 | 97.705 | 77.199 | 62.531 | 51.679 | 43.425 | 31.904 | 24.426 | 19.300 | 15.633 | 12.920 | 10.856 | 9.250 | 7.976 |
| 25Ш4 | 837.585 | 471.142 | 301.531 | 209.396 | 153.842 | 117.785 | 93.065 | 75.383 | 62.300 | 52.349 | 38.461 | 29.446 | 23.266 | 18.846 | 15.575 | 13.087 | 11.151 | 9.615 |
| 25Ш5 | 1042.242 | 586.261 | 375.207 | 260.560 | 191.432 | 146.565 | 115.805 | 93.802 | 77.522 | 65.140 | 47.858 | 36.641 | 28.951 | 23.450 | 19.381 | 16.285 | 13.876 | 11.965 |
| 25Ш6 | 1287.631 | 724.293 | 463.547 | 321.908 | 236.504 | 181.073 | 143.070 | 115.887 | 95.774 | 80.477 | 59.126 | 45.268 | 35.768 | 28.972 | 23.944 | 20.119 | 17.143 | 14.781 |
| 30Ш0 | 617.685 | 347.448 | 222.367 | 154.421 | 113.452 | 86.862 | 68.632 | 55.592 | 45.944 | 38.605 | 28.363 | 21.715 | 17.158 | 13.898 | 11.486 | 9.651 | 8.224 | 7.091 |
| 30Ш1 | 702.145 | 394.957 | 252.772 | 175.536 | 128.965 | 98.739 | 78.016 | 63.193 | 52.226 | 43.884 | 32.241 | 24.685 | 19.504 | 15.798 | 13.056 | 10.971 | 9.348 | 8.060 |
| 30Ш2 | 859.201 | 483.300 | 309.312 | 214.800 | 157.812 | 120.825 | 95.467 | 77.328 | 63.907 | 53.700 | 39.453 | 30.206 | 23.867 | 19.332 | 15.977 | 13.425 | 11.439 | 9.863 |
| 30Ш3 | 1034.991 | 582.183 | 372.597 | 258.748 | 190.100 | 145.546 | 114.999 | 93.149 | 76.983 | 64.687 | 47.525 | 36.386 | 28.750 | 23.287 | 19.246 | 16.172 | 13.779 | 11.881 |
| 30Ш4 | 1214.336 | 683.064 | 437.161 | 303.584 | 223.041 | 170.766 | 134.926 | 109.290 | 90.323 | 75.896 | 55.760 | 42.692 | 33.732 | 27.323 | 22.581 | 18.974 | 16.167 | 13.940 |
| 30Ш5 | 1543.636 | 868.295 | 555.709 | 385.909 | 283.525 | 217.074 | 171.515 | 138.927 | 114.816 | 96.477 | 70.881 | 54.268 | 42.879 | 34.732 | 28.704 | 24.119 | 20.551 | 17.720 |
| 30Ш6 | 1989.288 | 1118.975 | 716.144 | 497.322 | 365.379 | 279.744 | 221.032 | 179.036 | 147.964 | 124.331 | 91.345 | 69.936 | 55.258 | 44.759 | 36.991 | 31.083 | 26.485 | 22.836 |
| 35Ш1 | 932.792 | 524.696 | 335.805 | 233.198 | 171.329 | 131.174 | 103.644 | 83.951 | 69.381 | 58.300 | 42.832 | 32.793 | 25.911 | 20.988 | 17.345 | 14.575 | 12.419 | 10.708 |
| 35Ш2 | 1156.298 | 650.417 | 416.267 | 289.074 | 212.381 | 162.604 | 128.478 | 104.067 | 86.006 | 72.269 | 53.095 | 40.651 | 32.119 | 26.017 | 21.501 | 18.067 | 15.394 | 13.274 |
| 35Ш3 | 1437.550 | 808.622 | 517.518 | 359.388 | 264.040 | 202.155 | 159.728 | 129.380 | 106.925 | 89.847 | 66.010 | 50.539 | 39.932 | 32.345 | 26.731 | 22.462 | 19.139 | 16.502 |

Пр 6.4.1

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 35Ш4 | 1650.977 | 928.675 | 594.352 | 412.744 | 303.241 | 232.169 | 183.442 | 148.588 | 122.800 | 103.186 | 75.810 | 58.042 | 45.860 | 37.147 | 30.700 | 25.797 | 21.980 | 18.953 |
| 35Ш5 | 2058.495 | 1157.904 | 741.058 | 514.624 | 378.091 | 289.476 | 228.722 | 185.265 | 153.111 | 128.656 | 94.523 | 72.369 | 57.180 | 46.316 | 38.278 | 32.164 | 27.406 | 23.631 |
| 35Ш6 | 2529.533 | 1422.862 | 910.632 | 632.383 | 464.608 | 355.716 | 281.059 | 227.658 | 188.147 | 158.096 | 116.152 | 88.929 | 70.265 | 56.914 | 47.037 | 39.524 | 33.677 | 29.038 |
| 35Ш7 | 3164.780 | 1780.189 | 1139.321 | 791.195 | 581.286 | 445.047 | 351.642 | 284.830 | 235.397 | 197.799 | 145.322 | 111.262 | 87.911 | 71.208 | 58.849 | 49.450 | 42.135 | 36.330 |
| 40Ш1 | 1452.848 | 817.227 | 523.025 | 363.212 | 266.850 | 204.307 | 161.428 | 130.756 | 108.063 | 90.803 | 66.712 | 51.077 | 40.357 | 32.689 | 27.016 | 22.701 | 19.343 | 16.678 |
| 40Ш2 | 1793.673 | 1008.941 | 645.722 | 448.418 | 329.450 | 252.235 | 199.297 | 161.431 | 133.414 | 112.105 | 82.363 | 63.059 | 49.824 | 40.358 | 33.353 | 28.026 | 23.880 | 20.591 |
| 40Ш3 | 2178.065 | 1225.162 | 784.103 | 544.516 | 400.053 | 306.290 | 242.007 | 196.026 | 162.005 | 136.129 | 100.013 | 76.573 | 60.502 | 49.006 | 40.501 | 34.032 | 28.998 | 25.003 |
| 40Ш4 | 2561.483 | 1440.834 | 922.134 | 640.371 | 470.477 | 360.209 | 284.609 | 230.533 | 190.524 | 160.093 | 117.619 | 90.052 | 71.152 | 57.633 | 47.631 | 40.023 | 34.103 | 29.405 |
| 40Ш5 | 3216.315 | 1809.177 | 1157.873 | 804.079 | 590.752 | 452.294 | 357.368 | 289.468 | 239.230 | 201.020 | 147.688 | 113.074 | 89.342 | 72.367 | 59.808 | 50.255 | 42.821 | 36.922 |
| 40Ш6 | 3870.903 | 2177.383 | 1393.525 | 967.726 | 710.982 | 544.346 | 430.100 | 348.381 | 287.918 | 241.931 | 177.746 | 136.086 | 107.525 | 87.095 | 71.980 | 60.483 | 51.536 | 44.436 |
| 40Ш7 | 4735.874 | 2663.929 | 1704.914 | 1183.968 | 869.854 | 665.982 | 526.208 | 426.229 | 352.255 | 295.992 | 217.464 | 166.496 | 131.552 | 106.557 | 88.064 | 73.998 | 63.052 | 54.366 |
| 45Ш0 | 1962.947 | 1104.158 | 706.661 | 490.737 | 360.541 | 276.039 | 218.105 | 176.665 | 146.004 | 122.684 | 90.135 | 69.010 | 54.526 | 44.166 | 36.501 | 30.671 | 26.134 | 22.534 |
| 45Ш1 | 2313.097 | 1301.117 | 832.715 | 578.274 | 424.855 | 325.279 | 257.011 | 208.179 | 172.049 | 144.569 | 106.214 | 81.320 | 64.253 | 52.045 | 43.012 | 36.142 | 30.796 | 26.553 |
| 45Ш2 | 2589.609 | 1456.655 | 932.259 | 647.402 | 475.643 | 364.164 | 287.734 | 233.065 | 192.616 | 161.851 | 118.911 | 91.041 | 71.934 | 58.266 | 48.154 | 40.463 | 34.477 | 29.728 |
| 45Ш3 | 2966.241 | 1668.510 | 1067.847 | 741.560 | 544.820 | 417.128 | 329.582 | 266.962 | 220.629 | 185.390 | 136.205 | 104.282 | 82.396 | 66.740 | 55.157 | 46.348 | 39.491 | 34.051 |
| 45Ш4 | 3704.348 | 2083.695 | 1333.565 | 926.087 | 680.390 | 520.924 | 411.594 | 333.391 | 275.530 | 231.522 | 170.098 | 130.231 | 102.899 | 83.348 | 68.882 | 57.880 | 49.318 | 42.524 |
| 45Ш5 | 4435.724 | 2495.095 | 1596.861 | 1108.931 | 814.725 | 623.774 | 492.858 | 399.215 | 329.930 | 277.233 | 203.681 | 155.943 | 123.215 | 99.804 | 82.482 | 69.308 | 59.055 | 50.920 |
| 45Ш6 | 5417.622 | 3047.412 | 1950.344 | 1354.405 | 995.073 | 761.853 | 601.958 | 487.586 | 402.964 | 338.601 | 248.768 | 190.463 | 150.489 | 121.896 | 100.741 | 84.650 | 72.128 | 62.192 |
| 50Ш1 | 2307.525 | 1297.983 | 830.709 | 576.881 | 423.831 | 324.496 | 256.392 | 207.677 | 171.634 | 144.220 | 105.958 | 81.124 | 64.098 | 51.919 | 42.909 | 36.055 | 30.721 | 26.489 |
| 50Ш2 | 2744.934 | 1544.025 | 988.176 | 686.234 | 504.172 | 386.006 | 304.993 | 247.044 | 204.169 | 171.558 | 126.043 | 96.502 | 76.248 | 61.761 | 51.042 | 42.890 | 36.545 | 31.511 |
| 50Ш3 | 2995.772 | 1685.122 | 1078.478 | 748.943 | 550.244 | 421.280 | 332.864 | 269.619 | 222.826 | 187.236 | 137.561 | 105.320 | 83.216 | 67.405 | 55.707 | 46.809 | 39.885 | 34.390 |
| 50Ш4 | 3358.707 | 1889.273 | 1209.135 | 839.677 | 616.905 | 472.318 | 373.190 | 302.284 | 249.821 | 209.919 | 154.226 | 118.080 | 93.297 | 75.571 | 62.455 | 52.480 | 44.717 | 38.557 |
| 50Ш5 | 3966.127 | 2230.947 | 1427.806 | 991.532 | 728.472 | 557.737 | 440.681 | 356.951 | 295.001 | 247.883 | 182.118 | 139.434 | 110.170 | 89.238 | 73.750 | 61.971 | 52.803 | 45.530 |
| 50Ш6 | 4734.512 | 2663.163 | 1704.424 | 1183.628 | 869.604 | 665.791 | 526.057 | 426.106 | 352.154 | 295.907 | 217.401 | 166.448 | 131.514 | 106.527 | 88.038 | 73.977 | 63.033 | 54.350 |
| 50Ш7 | 5720.742 | 3217.918 | 2059.467 | 1430.186 | 1050.749 | 804.479 | 635.638 | 514.867 | 425.510 | 357.546 | 262.687 | 201.120 | 158.910 | 128.717 | 106.377 | 89.387 | 76.164 | 65.672 |
| 50Ш8 | 6840.908 | 3848.011 | 2462.727 | 1710.227 | 1256.493 | 962.003 | 760.101 | 615.682 | 508.828 | 427.557 | 314.123 | 240.501 | 190.025 | 153.920 | 127.207 | 106.889 | 91.077 | 78.531 |
| 60Ш1 | 3290.550 | 1850.934 | 1184.598 | 822.637 | 604.387 | 462.734 | 365.617 | 296.149 | 244.752 | 205.659 | 151.097 | 115.683 | 91.404 | 74.037 | 61.188 | 51.415 | 43.809 | 37.774 |
| 60Ш2 | 3854.370 | 2168.083 | 1387.573 | 963.592 | 707.945 | 542.021 | 428.263 | 346.893 | 286.689 | 240.898 | 176.986 | 135.505 | 107.066 | 86.723 | 71.672 | 60.225 | 51.316 | 44.247 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



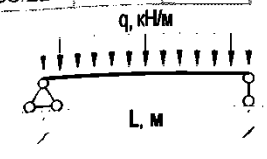



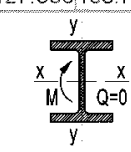
Таблица 6.4.3

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **60Ш3** | 4503.153 | 2533.024 | 1621.135 | 1125.788 | 827.110 | 633.256 | 500.350 | 405.284 | 334.945 | 281.447 | 206.777 | 158.314 | 125.088 | 101.321 | 83.736 | 70.362 | 59.953 | 51.694 |
| **60Ш4** | 5150.135 | 2896.951 | 1854.049 | 1287.534 | 945.943 | 724.238 | 572.237 | 463.512 | 383.068 | 321.883 | 236.486 | 181.059 | 143.059 | 115.878 | 95.767 | 80.471 | 68.567 | 59.121 |
| **60Ш5** | 6083.126 | 3421.758 | 2189.925 | 1520.781 | 1117.309 | 855.440 | 675.903 | 547.481 | 452.464 | 380.195 | 279.327 | 213.860 | 168.976 | 136.870 | 113.116 | 95.049 | 80.988 | 69.832 |
| **60Ш6** | 7483.823 | 4209.651 | 2694.176 | 1870.956 | 1374.580 | 1052.413 | 831.536 | 673.544 | 556.648 | 467.739 | 343.645 | 263.103 | 207.884 | 168.386 | 139.162 | 116.935 | 99.637 | 85.911 |
| **60Ш7** | 8730.734 | 4911.038 | 3143.064 | 2182.684 | 1603.604 | 1227.760 | 970.082 | 785.766 | 649.393 | 545.671 | 400.901 | 306.940 | 242.520 | 196.442 | 162.348 | 136.418 | 116.238 | 100.225 |
| **60Ш8** | 10470.337 | 5889.565 | 3769.321 | 2617.584 | 1923.123 | 1472.391 | 1163.371 | 942.330 | 778.785 | 654.396 | 480.781 | 368.098 | 290.843 | 235.583 | 194.696 | 163.599 | 139.398 | 120.195 |
| **70Ш1** | 4674.681 | 2629.508 | 1682.885 | 1168.670 | 858.615 | 657.377 | 519.409 | 420.721 | 347.704 | 292.168 | 214.654 | 164.344 | 129.852 | 105.180 | 86.926 | 73.042 | 62.237 | 53.663 |
| **70Ш2** | 5121.297 | 2880.729 | 1843.667 | 1280.324 | 940.646 | 720.182 | 569.033 | 460.917 | 380.923 | 320.081 | 235.162 | 180.046 | 142.258 | 115.229 | 95.231 | 80.020 | 68.183 | 58.790 |
| **70Ш3** | 6081.065 | 3420.599 | 2189.183 | 1520.266 | 1116.930 | 855.150 | 675.674 | 547.296 | 452.311 | 380.067 | 279.233 | 213.787 | 168.918 | 136.824 | 113.078 | 95.017 | 80.961 | 69.808 |
| **70Ш4** | 6918.743 | 3891.793 | 2490.747 | 1729.686 | 1270.789 | 972.948 | 768.749 | 622.687 | 514.617 | 432.421 | 317.697 | 243.237 | 192.187 | 155.672 | 128.654 | 108.105 | 92.113 | 79.424 |
| **70Ш5** | 7914.006 | 4451.628 | 2849.042 | 1978.501 | 1453.593 | 1112.907 | 879.334 | 712.261 | 588.645 | 494.625 | 363.398 | 278.227 | 219.833 | 178.065 | 147.161 | 123.656 | 105.364 | 90.850 |
| **70Ш6** | 9731.061 | 5473.722 | 3503.182 | 2432.765 | 1787.338 | 1368.430 | 1081.229 | 875.796 | 723.798 | 608.191 | 446.834 | 342.108 | 270.307 | 218.949 | 180.949 | 152.048 | 129.556 | 111.709 |
| **70Ш7** | 11676.586 | 6568.080 | 4203.571 | 2919.147 | 2144.679 | 1642.020 | 1297.398 | 1050.893 | 868.506 | 729.787 | 536.170 | 410.505 | 324.350 | 262.723 | 217.127 | 182.447 | 155.458 | 134.042 |
| **70Ш8** | 13445.657 | 7563.182 | 4840.437 | 3361.414 | 2469.611 | 1890.796 | 1493.962 | 1210.109 | 1000.090 | 840.354 | 617.403 | 472.699 | 373.490 | 302.527 | 250.023 | 210.088 | 179.010 | 154.351 |
| | **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | |
| **15К1** | 173.813 | 97.770 | 62.573 | 43.453 | 31.925 | 24.442 | 19.313 | 15.643 | 12.928 | 10.863 | 7.981 | 6.111 | 4.828 | 3.911 | 3.232 | 2.716 | 2.314 | 1.995 |
| **15К2** | 204.320 | 114.930 | 73.555 | 51.080 | 37.528 | 28.733 | 22.702 | 18.389 | 15.197 | 12.770 | 9.382 | 7.183 | 5.676 | 4.597 | 3.799 | 3.193 | 2.720 | 2.346 |
| **15К3** | 244.497 | 137.530 | 88.019 | 61.124 | 44.908 | 34.382 | 27.166 | 22.005 | 18.186 | 15.281 | 11.227 | 8.596 | 6.792 | 5.501 | 4.546 | 3.820 | 3.255 | 2.807 |
| **15К4** | 293.692 | 165.202 | 105.729 | 73.423 | 53.943 | 41.300 | 32.632 | 26.432 | 21.845 | 18.356 | 13.486 | 10.325 | 8.158 | 6.608 | 5.461 | 4.589 | 3.910 | 3.371 |
| **15К5** | 354.351 | 199.323 | 127.566 | 88.588 | 65.085 | 49.831 | 39.372 | 31.892 | 26.357 | 22.147 | 16.271 | 12.458 | 9.843 | 7.973 | 6.589 | 5.537 | 4.718 | 4.068 |
| **20К1** | 365.571 | 205.634 | 131.606 | 91.393 | 67.146 | 51.408 | 40.619 | 32.901 | 27.191 | 22.848 | 16.786 | 12.852 | 10.155 | 8.225 | 6.798 | 5.712 | 4.867 | 4.197 |
| **20К2** | 422.096 | 237.429 | 151.955 | 105.524 | 77.528 | 59.357 | 46.900 | 37.989 | 31.396 | 26.381 | 19.382 | 14.839 | 11.725 | 9.497 | 7.849 | 6.595 | 5.620 | 4.845 |
| **20К3** | 490.628 | 275.978 | 176.626 | 122.657 | 90.115 | 68.995 | 54.514 | 44.157 | 36.493 | 30.664 | 22.529 | 17.249 | 13.629 | 11.039 | 9.123 | 7.666 | 6.532 | 5.632 |
| **20К4** | 591.042 | 332.461 | 212.775 | 147.760 | 108.559 | 83.115 | 65.671 | 53.194 | 43.962 | 36.940 | 27.140 | 20.779 | 16.418 | 13.298 | 10.990 | 9.235 | 7.869 | 6.785 |
| **20К5** | 664.559 | 373.815 | 239.241 | 166.140 | 122.062 | 93.454 | 73.840 | 59.810 | 49.430 | 41.535 | 30.515 | 23.363 | 18.460 | 14.953 | 12.358 | 10.384 | 8.848 | 7.629 |
| **20К6** | 737.789 | 415.006 | 265.604 | 184.447 | 135.512 | 103.752 | 81.977 | 66.401 | 54.877 | 46.112 | 33.878 | 25.938 | 20.494 | 16.600 | 13.719 | 11.528 | 9.823 | 8.470 |
| **20К7** | 843.025 | 474.201 | 303.489 | 210.756 | 154.841 | 118.550 | 93.669 | 75.872 | 62.704 | 52.689 | 38.710 | 29.638 | 23.417 | 18.968 | 15.676 | 13.172 | 11.224 | 9.678 |
| **20К8** | 976.254 | 549.143 | 351.451 | 244.063 | 179.312 | 137.286 | 108.473 | 87.863 | 72.614 | 61.016 | 44.828 | 34.321 | 27.118 | 21.966 | 18.153 | 15.254 | 12.997 | 11.207 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **25К1** | 667.757 | 375.613 | 240.392 | 166.939 | 122.649 | 93.903 | 74.195 | 60.098 | 49.668 | 41.735 | 30.662 | 23.476 | 18.549 | 15.025 | 12.417 | 10.434 | 8.890 | 7.666 |
| **25К2** | 774.586 | 435.705 | 278.851 | 193.646 | 142.271 | 108.926 | 86.065 | 69.713 | 57.614 | 48.412 | 35.568 | 27.232 | 21.516 | 17.428 | 14.403 | 12.103 | 10.313 | 8.892 |
| **25К3** | 858.766 | 483.056 | 309.156 | 214.692 | 157.733 | 120.764 | 95.418 | 77.289 | 63.875 | 53.673 | 39.433 | 30.191 | 23.855 | 19.322 | 15.969 | 13.418 | 11.433 | 9.858 |
| **25К4** | 967.311 | 544.112 | 348.232 | 241.828 | 177.669 | 136.028 | 107.479 | 87.058 | 71.949 | 60.457 | 44.417 | 34.007 | 26.870 | 21.764 | 17.987 | 15.114 | 12.878 | 11.104 |
| **25К5** | 1106.064 | 622.161 | 398.183 | 276.516 | 203.155 | 155.540 | 122.896 | 99.546 | 82.269 | 69.129 | 50.789 | 38.885 | 30.724 | 24.886 | 20.567 | 17.282 | 14.726 | 12.697 |
| **25К6** | 1190.316 | 669.553 | 428.514 | 297.579 | 218.630 | 167.388 | 132.257 | 107.128 | 88.536 | 74.395 | 54.657 | 41.847 | 33.064 | 26.782 | 22.134 | 18.599 | 15.847 | 13.664 |
| **25К7** | 1396.130 | 785.323 | 502.607 | 349.033 | 256.432 | 196.331 | 155.126 | 125.652 | 103.844 | 87.258 | 64.108 | 49.083 | 38.781 | 31.413 | 25.961 | 21.815 | 18.588 | 16.027 |
| **25К8** | 1588.140 | 893.329 | 571.730 | 397.035 | 291.699 | 223.332 | 176.460 | 142.933 | 118.126 | 99.259 | 72.925 | 55.833 | 44.115 | 35.733 | 29.532 | 24.815 | 21.144 | 18.231 |
| **25К9** | 1782.946 | 1002.907 | 641.861 | 445.737 | 327.480 | 250.727 | 198.105 | 160.465 | 132.616 | 111.434 | 81.870 | 62.682 | 49.526 | 40.116 | 33.154 | 27.859 | 23.737 | 20.467 |
| **25К10** | 2064.754 | 1161.424 | 743.311 | 516.188 | 379.240 | 290.356 | 229.417 | 185.828 | 153.577 | 129.047 | 94.810 | 72.589 | 57.354 | 46.457 | 38.394 | 32.262 | 27.489 | 23.703 |
| **30К1** | 1131.717 | 636.591 | 407.418 | 282.929 | 207.866 | 159.148 | 125.746 | 101.855 | 84.177 | 70.732 | 51.967 | 39.787 | 31.437 | 25.464 | 21.044 | 17.683 | 15.067 | 12.992 |
| **30К2** | 1219.187 | 685.793 | 438.907 | 304.797 | 223.932 | 171.448 | 135.465 | 109.727 | 90.683 | 76.199 | 55.983 | 42.862 | 33.866 | 27.432 | 22.671 | 19.050 | 16.232 | 13.996 |
| **30К3** | 1306.125 | 734.696 | 470.205 | 326.531 | 239.901 | 183.674 | 145.125 | 117.551 | 97.150 | 81.633 | 59.975 | 45.918 | 36.281 | 29.388 | 24.287 | 20.408 | 17.389 | 14.994 |
| **30К4** | 1376.013 | 774.007 | 495.365 | 344.003 | 252.737 | 193.502 | 152.890 | 123.841 | 102.348 | 86.001 | 63.184 | 48.375 | 38.223 | 30.960 | 25.587 | 21.500 | 18.320 | 15.796 |
| **30К5** | 1529.548 | 860.371 | 550.637 | 382.387 | 280.937 | 215.093 | 169.950 | 137.659 | 113.768 | 95.597 | 70.234 | 53.773 | 42.487 | 34.415 | 28.442 | 23.899 | 20.364 | 17.559 |
| **30К6** | 1617.749 | 909.984 | 582.390 | 404.437 | 297.138 | 227.496 | 179.750 | 145.597 | 120.328 | 101.109 | 74.284 | 56.874 | 44.937 | 36.399 | 30.082 | 25.277 | 21.538 | 18.571 |
| **30К7** | 1773.434 | 997.557 | 638.436 | 443.359 | 325.733 | 249.389 | 197.048 | 159.609 | 131.908 | 110.840 | 81.433 | 62.347 | 49.262 | 39.902 | 32.977 | 27.710 | 23.611 | 20.358 |
| **30К8** | 2049.098 | 1152.617 | 737.675 | 512.274 | 376.365 | 288.154 | 227.678 | 184.419 | 152.412 | 128.069 | 94.091 | 72.039 | 56.919 | 46.105 | 38.103 | 32.017 | 27.281 | 23.523 |
| **30К9** | 2313.087 | 1301.111 | 832.711 | 578.272 | 424.853 | 325.278 | 257.010 | 208.178 | 172.048 | 144.568 | 106.213 | 81.319 | 64.252 | 52.044 | 43.012 | 36.142 | 30.796 | 26.553 |
| **30К10** | 2588.180 | 1455.851 | 931.745 | 647.045 | 475.380 | 363.963 | 287.576 | 232.936 | 192.509 | 161.761 | 118.845 | 90.991 | 71.894 | 58.234 | 48.127 | 40.440 | 34.458 | 29.711 |
| **30К11** | 2865.799 | 1612.012 | 1031.688 | 716.450 | 526.371 | 403.003 | 318.422 | 257.922 | 213.159 | 179.112 | 131.593 | 100.751 | 79.606 | 64.480 | 53.290 | 44.778 | 38.154 | 32.898 |
| **30К12** | 3185.850 | 1792.041 | 1146.906 | 796.463 | 585.156 | 448.010 | 353.983 | 286.727 | 236.964 | 199.116 | 146.289 | 112.003 | 88.496 | 71.682 | 59.241 | 49.779 | 42.415 | 36.572 |
| **30К13** | 3590.205 | 2019.490 | 1292.474 | 897.551 | 659.425 | 504.873 | 398.912 | 323.118 | 267.040 | 224.388 | 164.856 | 126.218 | 99.728 | 80.780 | 66.760 | 56.097 | 47.799 | 41.214 |
| **30К14** | 3969.998 | 2233.124 | 1429.199 | 992.500 | 729.183 | 558.281 | 441.111 | 357.300 | 295.289 | 248.125 | 182.296 | 139.570 | 110.278 | 89.325 | 73.822 | 62.031 | 52.855 | 45.574 |
| **30К15** | 4367.440 | 2456.685 | 1572.278 | 1091.860 | 802.183 | 614.171 | 485.271 | 393.070 | 324.851 | 272.965 | 200.546 | 153.543 | 121.318 | 98.267 | 81.213 | 68.241 | 58.146 | 50.136 |
| **30К16** | 4855.967 | 2731.481 | 1748.148 | 1213.992 | 891.912 | 682.870 | 539.552 | 437.037 | 361.188 | 303.498 | 222.978 | 170.718 | 134.888 | 109.259 | 90.297 | 75.874 | 64.650 | 55.745 |
| **30К17** | 5352.575 | 3010.823 | 1926.927 | 1338.144 | 983.126 | 752.706 | 594.731 | 481.732 | 398.125 | 334.536 | 245.782 | 188.176 | 148.683 | 120.433 | 99.531 | 83.634 | 71.262 | 61.445 |
| **30К18** | 5688.249 | 3199.640 | 2047.770 | 1422.062 | 1044.780 | 799.910 | 632.028 | 511.942 | 423.093 | 355.516 | 261.195 | 199.978 | 158.007 | 127.986 | 105.773 | 88.879 | 75.731 | 65.299 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



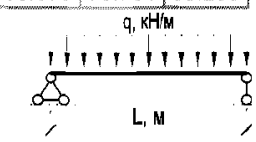



Таблица 6.4.3

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **30К19** | 6417.697 | 3609.954 | 2310.371 | 1604.424 | 1178.761 | 902.489 | 713.077 | 577.593 | 477.349 | 401.106 | 294.690 | 225.622 | 178.269 | 144.398 | 119.337 | 100.277 | 85.443 | 73.673 |
| **30К20** | 7146.484 | 4019.897 | 2572.734 | 1786.621 | 1312.619 | 1004.974 | 794.054 | 643.184 | 531.557 | 446.655 | 328.155 | 251.244 | 198.513 | 160.796 | 132.889 | 111.664 | 95.145 | 82.039 |
| **30К21** | 7782.607 | 4349.591 | 2783.739 | 1933.152 | 1420.275 | 1087.398 | 859.179 | 695.935 | 575.153 | 483.288 | 355.069 | 271.849 | 214.795 | 173.984 | 143.788 | 120.822 | 102.949 | 88.767 |
| **35К1** | 1637.051 | 920.841 | 589.338 | 409.263 | 300.683 | 230.210 | 181.895 | 147.335 | 121.764 | 102.316 | 75.171 | 57.553 | 45.474 | 36.834 | 30.441 | 25.579 | 21.795 | 18.793 |
| **35К1.5** | 1846.333 | 1038.562 | 664.680 | 461.583 | 339.122 | 259.641 | 205.148 | 166.170 | 137.331 | 115.396 | 84.781 | 64.910 | 51.287 | 41.542 | 34.333 | 28.849 | 24.581 | 21.195 |
| **35К2** | 2056.674 | 1156.879 | 740.403 | 514.169 | 377.757 | 289.220 | 228.519 | 185.101 | 152.976 | 128.542 | 94.439 | 72.305 | 57.130 | 46.275 | 38.244 | 32.136 | 27.382 | 23.610 |
| **35К3** | 2228.496 | 1253.529 | 802.258 | 557.124 | 409.316 | 313.382 | 247.611 | 200.565 | 165.756 | 139.281 | 102.329 | 78.346 | 61.903 | 50.141 | 41.439 | 34.820 | 29.669 | 25.582 |
| **35К4** | 2487.638 | 1399.296 | 895.550 | 621.909 | 456.913 | 349.824 | 276.404 | 223.887 | 185.031 | 155.477 | 114.228 | 87.456 | 69.101 | 55.972 | 46.258 | 38.869 | 33.119 | 28.557 |
| **35К5** | 2748.490 | 1546.026 | 989.457 | 687.123 | 504.825 | 386.506 | 305.388 | 247.364 | 204.433 | 171.781 | 126.206 | 96.627 | 76.347 | 61.841 | 51.108 | 42.945 | 36.592 | 31.552 |
| **35К6** | 3009.522 | 1692.856 | 1083.428 | 752.381 | 552.769 | 423.214 | 334.391 | 270.857 | 223.849 | 188.095 | 138.192 | 105.804 | 83.598 | 67.714 | 55.962 | 47.024 | 40.068 | 34.548 |
| **35К7** | 3380.163 | 1901.342 | 1216.859 | 845.041 | 620.846 | 475.335 | 375.574 | 304.215 | 251.417 | 211.260 | 155.212 | 118.834 | 93.893 | 76.054 | 62.854 | 52.815 | 45.002 | 38.803 |
| **35К8** | 3707.619 | 2085.536 | 1334.743 | 926.905 | 680.991 | 521.384 | 411.958 | 333.686 | 275.773 | 231.726 | 170.248 | 130.346 | 102.989 | 83.421 | 68.943 | 57.932 | 49.362 | 42.562 |
| **35К9** | 4084.677 | 2297.631 | 1470.484 | 1021.169 | 750.247 | 574.408 | 453.853 | 367.621 | 303.819 | 255.292 | 187.562 | 143.602 | 113.463 | 91.905 | 75.955 | 63.823 | 54.382 | 46.890 |
| **35К10** | 4475.368 | 2517.395 | 1611.133 | 1118.842 | 822.006 | 629.349 | 497.263 | 402.783 | 332.879 | 279.711 | 205.502 | 157.337 | 124.316 | 100.696 | 83.220 | 69.928 | 59.583 | 51.375 |
| **35К11** | 5023.881 | 2825.933 | 1808.597 | 1255.970 | 922.754 | 706.483 | 558.209 | 452.149 | 373.677 | 313.993 | 230.688 | 176.621 | 139.552 | 113.037 | 93.419 | 78.498 | 66.886 | 57.672 |
| **35К12** | 5589.897 | 3144.317 | 2012.363 | 1397.474 | 1026.716 | 786.079 | 621.100 | 503.091 | 415.777 | 349.369 | 256.679 | 196.520 | 155.275 | 125.773 | 103.944 | 87.342 | 74.422 | 64.170 |
| **35К13** | 6163.644 | 3467.050 | 2218.912 | 1540.911 | 1132.098 | 866.762 | 684.849 | 554.728 | 458.453 | 385.228 | 283.024 | 216.691 | 171.212 | 138.682 | 114.613 | 96.307 | 82.060 | 70.756 |
| **35К14** | 6452.261 | 3629.397 | 2322.814 | 1613.065 | 1185.109 | 907.349 | 716.918 | 580.703 | 479.920 | 403.266 | 296.277 | 226.837 | 179.229 | 145.176 | 119.980 | 100.817 | 85.903 | 74.069 |
| **35К15** | 7135.059 | 4013.470 | 2568.621 | 1783.765 | 1310.521 | 1003.368 | 792.784 | 642.155 | 530.707 | 445.941 | 327.630 | 250.842 | 198.196 | 160.539 | 132.677 | 111.485 | 94.993 | 81.908 |
| **35К16** | 8067.389 | 4537.906 | 2904.260 | 2016.847 | 1481.765 | 1134.477 | 896.377 | 726.065 | 600.054 | 504.212 | 370.441 | 283.619 | 224.094 | 181.516 | 150.013 | 126.053 | 107.406 | 92.610 |
| **35К17** | 8901.879 | 5007.307 | 3204.677 | 2225.470 | 1635.039 | 1251.827 | 989.098 | 801.169 | 662.123 | 556.367 | 408.760 | 312.957 | 247.274 | 200.292 | 165.531 | 139.092 | 118.516 | 102.190 |
| **35К18** | 9432.479 | 5305.770 | 3395.692 | 2358.120 | 1732.496 | 1326.442 | 1048.053 | 848.923 | 701.589 | 589.530 | 433.124 | 331.611 | 262.013 | 212.231 | 175.397 | 147.382 | 125.580 | 108.281 |
| **35К19** | 10496.750 | 5904.422 | 3778.830 | 2624.188 | 1927.975 | 1476.106 | 1166.306 | 944.708 | 780.750 | 656.047 | 481.994 | 369.026 | 291.576 | 236.177 | 195.188 | 164.012 | 139.750 | 120.498 |
| **35К20** | 10867.571 | 6113.008 | 3912.325 | 2716.893 | 1996.084 | 1528.252 | 1207.508 | 978.081 | 808.332 | 679.223 | 499.021 | 382.063 | 301.877 | 244.520 | 202.083 | 169.806 | 144.687 | 124.755 |
| **35К21** | 12085.696 | 6798.204 | 4350.851 | 3021.424 | 2219.822 | 1699.551 | 1342.855 | 1087.713 | 898.936 | 755.356 | 554.955 | 424.888 | 335.714 | 271.928 | 224.734 | 188.839 | 160.904 | 138.739 |
| **35К22** | 13456.475 | 7569.267 | 4844.331 | 3364.119 | 2471.597 | 1892.317 | 1495.164 | 1211.083 | 1000.895 | 841.030 | 617.899 | 473.079 | 373.791 | 302.771 | 250.224 | 210.257 | 179.154 | 154.475 |
| **35К23** | 15012.161 | 8444.340 | 5404.378 | 3753.040 | 2757.336 | 2111.085 | 1668.018 | 1351.094 | 1116.607 | 938.260 | 689.334 | 527.771 | 417.004 | 337.774 | 279.152 | 234.565 | 199.866 | 172.333 |
| **35К24** | 16737.907 | 9415.073 | 6025.646 | 4184.477 | 3074.309 | 2353.768 | 1859.767 | 1506.412 | 1244.968 | 1046.119 | 768.577 | 588.442 | 464.942 | 376.603 | 311.242 | 261.530 | 222.842 | 192.144 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **40К1** | 2542.561 | 1430.190 | 915.322 | 635.640 | 467.001 | 357.548 | 282.507 | 228.830 | 189.116 | 158.910 | 116.750 | 89.387 | 70.627 | 57.208 | 47.279 | 39.728 | 33.851 | 29.188 |
| **40К2** | 2849.093 | 1602.615 | 1025.674 | 712.273 | 523.303 | 400.654 | 316.566 | 256.418 | 211.916 | 178.068 | 130.826 | 100.163 | 79.141 | 64.105 | 52.979 | 44.517 | 37.932 | 32.706 |
| **40К3** | 3298.994 | 1855.684 | 1187.638 | 824.749 | 605.938 | 463.921 | 366.555 | 296.909 | 245.380 | 206.187 | 151.484 | 115.980 | 91.639 | 74.227 | 61.345 | 51.547 | 43.922 | 37.871 |
| **40К4** | 3838.135 | 2158.951 | 1381.728 | 959.534 | 704.963 | 539.738 | 426.459 | 345.432 | 285.481 | 239.883 | 176.241 | 134.934 | 106.615 | 86.358 | 71.370 | 59.971 | 51.099 | 44.060 |
| **40К4.5** | 4227.885 | 2378.185 | 1522.039 | 1056.971 | 776.550 | 594.546 | 469.765 | 380.510 | 314.471 | 264.243 | 194.138 | 148.637 | 117.441 | 95.127 | 78.618 | 66.061 | 56.288 | 48.534 |
| **40К5** | 4807.438 | 2704.184 | 1730.678 | 1201.859 | 882.999 | 676.046 | 534.160 | 432.669 | 357.578 | 300.465 | 220.750 | 169.011 | 133.540 | 108.167 | 89.395 | 75.116 | 64.004 | 55.187 |
| **40К6** | 5037.612 | 2833.657 | 1813.540 | 1259.403 | 925.276 | 708.414 | 559.735 | 453.385 | 374.698 | 314.851 | 231.319 | 177.104 | 139.934 | 113.346 | 93.675 | 78.713 | 67.069 | 57.830 |
| **40К7** | 5677.435 | 3193.557 | 2043.877 | 1419.359 | 1042.794 | 798.389 | 630.826 | 510.969 | 422.289 | 354.840 | 260.699 | 199.597 | 157.707 | 127.742 | 105.572 | 88.710 | 75.587 | 65.175 |
| **40К8** | 6324.029 | 3557.266 | 2276.650 | 1581.007 | 1161.556 | 889.317 | 702.670 | 569.163 | 470.382 | 395.252 | 290.389 | 222.329 | 175.667 | 142.291 | 117.596 | 98.813 | 84.196 | 72.597 |
| **40К9** | 7115.609 | 4002.530 | 2561.619 | 1778.902 | 1306.949 | 1000.633 | 790.623 | 640.405 | 529.260 | 444.726 | 326.737 | 250.158 | 197.656 | 160.101 | 132.315 | 111.181 | 94.734 | 81.684 |
| **40К10** | 7683.989 | 4322.244 | 2766.236 | 1920.997 | 1411.345 | 1080.561 | 853.777 | 691.559 | 571.536 | 480.249 | 352.836 | 270.140 | 213.444 | 172.890 | 142.884 | 120.062 | 102.302 | 88.209 |
| **40К11** | 8683.591 | 4884.520 | 3126.093 | 2170.898 | 1594.945 | 1221.130 | 964.843 | 781.523 | 645.887 | 542.724 | 398.736 | 305.282 | 241.211 | 195.381 | 161.472 | 135.681 | 115.610 | 99.684 |
| **40К12** | 9764.566 | 5492.569 | 3515.244 | 2441.142 | 1793.492 | 1373.142 | 1084.952 | 878.811 | 726.290 | 610.285 | 448.373 | 343.286 | 271.238 | 219.703 | 181.573 | 152.571 | 130.002 | 112.093 |
| **40К13** | 10488.423 | 5899.738 | 3775.832 | 2622.106 | 1926.445 | 1474.934 | 1165.380 | 943.958 | 780.131 | 655.526 | 481.611 | 368.734 | 291.345 | 235.990 | 195.033 | 163.882 | 139.639 | 120.403 |
| **40К14** | 11822.558 | 6650.189 | 4256.121 | 2955.639 | 2171.490 | 1662.547 | 1313.618 | 1064.030 | 879.364 | 738.910 | 542.873 | 415.637 | 328.404 | 266.008 | 219.841 | 184.727 | 157.401 | 135.718 |
| **40К15** | 12398.655 | 6974.244 | 4463.516 | 3099.664 | 2277.304 | 1743.561 | 1377.628 | 1115.879 | 922.214 | 774.916 | 569.326 | 435.890 | 344.407 | 278.970 | 230.554 | 193.729 | 165.071 | 142.332 |
| **40К16** | 14026.622 | 7889.975 | 5049.584 | 3506.655 | 2576.318 | 1972.494 | 1558.514 | 1262.396 | 1043.302 | 876.664 | 644.080 | 493.123 | 389.628 | 315.599 | 260.826 | 219.166 | 186.745 | 161.020 |
| **40К17** | 15981.175 | 8989.411 | 5753.223 | 3995.294 | 2935.318 | 2247.353 | 1775.686 | 1438.306 | 1188.682 | 998.823 | 733.829 | 561.838 | 443.922 | 359.576 | 297.171 | 249.706 | 212.767 | 183.457 |
| **40К18** | 18133.696 | 10200.204 | 6528.130 | 4533.424 | 3330.679 | 2550.051 | 2014.855 | 1632.033 | 1348.787 | 1133.356 | 832.670 | 637.513 | 503.714 | 408.008 | 337.197 | 283.339 | 241.425 | 208.167 |
| **40К19** | 20578.932 | 11575.649 | 7408.416 | 5144.733 | 3779.804 | 2893.912 | 2286.548 | 1852.104 | 1530.664 | 1286.183 | 944.951 | 723.478 | 571.637 | 463.026 | 382.666 | 321.546 | 273.980 | 236.238 |
| **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | | |
| **13С1** | 131.565 | 74.005 | 47.363 | 32.891 | 24.165 | 18.501 | 14.618 | 11.841 | 9.786 | 8.223 | 6.041 | 4.625 | 3.655 | 2.960 | 2.446 | 2.056 | 1.752 | 1.510 |
| **20С1** | 452.861 | 254.734 | 163.030 | 113.215 | 83.179 | 63.684 | 50.318 | 40.757 | 33.684 | 28.304 | 20.795 | 15.921 | 12.579 | 10.189 | 8.421 | 7.076 | 6.029 | 5.199 |
| **25С1** | 655.190 | 368.544 | 235.868 | 163.798 | 120.341 | 92.136 | 72.799 | 58.967 | 48.733 | 40.949 | 30.085 | 23.034 | 18.200 | 14.742 | 12.183 | 10.237 | 8.723 | 7.521 |
| **25С2** | 835.338 | 469.878 | 300.722 | 208.835 | 153.429 | 117.469 | 92.815 | 75.180 | 62.133 | 52.209 | 38.357 | 29.367 | 23.204 | 18.795 | 15.533 | 13.052 | 11.121 | 9.589 |
| **30С1** | 1044.080 | 587.295 | 375.869 | 261.020 | 191.770 | 146.824 | 116.009 | 93.967 | 77.659 | 65.255 | 47.942 | 36.706 | 29.002 | 23.492 | 19.415 | 16.314 | 13.900 | 11.986 |
| **30С2** | 1306.125 | 734.696 | 470.205 | 326.531 | 239.901 | 183.674 | 145.125 | 117.551 | 97.150 | 81.633 | 59.975 | 45.918 | 36.281 | 29.388 | 24.287 | 20.408 | 17.389 | 14.994 |
| **32С1** | 2185.340 | 1229.254 | 786.723 | 546.335 | 401.389 | 307.313 | 242.816 | 196.681 | 162.546 | 136.584 | 100.347 | 76.828 | 60.704 | 49.170 | 40.636 | 34.146 | 29.095 | 25.087 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

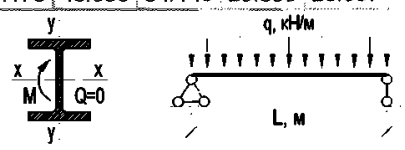


Таблица 6.4.3

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **32С2** | 2715.642 | 1527.549 | 977.631 | 678.911 | 498.791 | 381.887 | 301.738 | 244.408 | 201.990 | 169.728 | 124.698 | 95.472 | 75.435 | 61.102 | 50.497 | 42.432 | 36.155 | 31.174 |
| **35С1** | 1517.749 | 853.734 | 546.389 | 379.437 | 278.770 | 213.433 | 168.639 | 136.597 | 112.890 | 94.859 | 69.693 | 53.358 | 42.160 | 34.149 | 28.223 | 23.715 | 20.207 | 17.423 |
| **35С2** | 1868.542 | 1051.055 | 672.675 | 467.136 | 343.202 | 262.764 | 207.616 | 168.169 | 138.982 | 116.784 | 85.800 | 65.691 | 51.904 | 42.042 | 34.746 | 29.196 | 24.877 | 21.450 |
| **35С3** | 2223.966 | 1250.981 | 800.628 | 555.991 | 408.484 | 312.745 | 247.107 | 200.157 | 165.419 | 138.998 | 102.121 | 78.186 | 61.777 | 50.039 | 41.355 | 34.749 | 29.609 | 25.530 |
| **40С1** | 2296.730 | 1291.911 | 826.823 | 574.182 | 421.848 | 322.978 | 255.192 | 206.706 | 170.831 | 143.546 | 105.462 | 80.744 | 63.798 | 51.676 | 42.708 | 35.886 | 30.578 | 26.366 |
| **40С2** | 2757.500 | 1551.094 | 992.700 | 689.375 | 506.480 | 387.773 | 306.389 | 248.175 | 205.103 | 172.344 | 126.620 | 96.943 | 76.597 | 62.044 | 51.276 | 43.086 | 36.712 | 31.655 |
| **40С3** | 3089.371 | 1737.771 | 1112.174 | 772.343 | 567.436 | 434.443 | 343.263 | 278.043 | 229.788 | 193.086 | 141.859 | 108.611 | 85.816 | 69.511 | 57.447 | 48.271 | 41.131 | 35.465 |
| | **Тип ДБ - Дополнительные балочные двутавры** | | | | | | | | | | | | | | | | | |
| **20ДБ1** | 237.027 | 133.328 | 85.330 | 59.257 | 43.536 | 33.332 | 26.336 | 21.332 | 17.630 | 14.814 | 10.884 | 8.333 | 6.584 | 5.333 | 4.408 | 3.704 | 3.156 | 2.721 |
| **20ДБ2** | 271.858 | 152.920 | 97.869 | 67.964 | 49.933 | 38.230 | 30.206 | 24.467 | 20.221 | 16.991 | 12.483 | 9.557 | 7.552 | 6.117 | 5.055 | 4.248 | 3.619 | 3.121 |
| **25ДБ1** | 337.210 | 189.681 | 121.396 | 84.302 | 61.937 | 47.420 | 37.468 | 30.349 | 25.082 | 21.076 | 15.484 | 11.855 | 9.367 | 7.587 | 6.270 | 5.269 | 4.489 | 3.871 |
| **25ДБ2** | 394.122 | 221.694 | 141.884 | 98.531 | 72.390 | 55.423 | 43.791 | 35.471 | 29.315 | 24.633 | 18.097 | 13.856 | 10.948 | 8.868 | 7.329 | 6.158 | 5.247 | 4.524 |
| **25ДБ3** | 458.919 | 258.142 | 165.211 | 114.730 | 84.291 | 64.535 | 50.991 | 41.303 | 34.134 | 28.682 | 21.073 | 16.134 | 12.748 | 10.326 | 8.534 | 7.171 | 6.110 | 5.268 |
| **25ДБ4** | 363.465 | 204.449 | 130.848 | 90.866 | 66.759 | 51.112 | 40.385 | 32.712 | 27.035 | 22.717 | 16.690 | 12.778 | 10.096 | 8.178 | 6.759 | 5.679 | 4.839 | 4.172 |
| **25ДБ5** | 418.250 | 235.265 | 150.570 | 104.562 | 76.821 | 58.816 | 46.472 | 37.642 | 31.109 | 26.141 | 19.205 | 14.704 | 11.618 | 9.411 | 7.777 | 6.535 | 5.568 | 4.801 |
| **25ДБ6** | 487.193 | 274.046 | 175.389 | 121.798 | 89.484 | 68.511 | 54.133 | 43.847 | 36.237 | 30.450 | 22.371 | 17.128 | 13.533 | 10.962 | 9.059 | 7.612 | 6.486 | 5.593 |
| **30ДБ1** | 349.028 | 196.328 | 125.650 | 87.257 | 64.107 | 49.082 | 38.781 | 31.413 | 25.961 | 21.814 | 16.027 | 12.271 | 9.695 | 7.853 | 6.490 | 5.454 | 4.647 | 4.007 |
| **30ДБ2** | 394.147 | 221.708 | 141.893 | 98.537 | 72.394 | 55.427 | 43.794 | 35.473 | 29.317 | 24.634 | 18.099 | 13.857 | 10.949 | 8.868 | 7.329 | 6.159 | 5.248 | 4.525 |
| **30ДБ3** | 526.818 | 296.335 | 189.655 | 131.705 | 96.763 | 74.084 | 58.535 | 47.414 | 39.185 | 32.926 | 24.191 | 18.521 | 14.634 | 11.853 | 9.796 | 8.232 | 7.014 | 6.048 |
| **30ДБ4** | 582.831 | 327.842 | 209.819 | 145.708 | 107.051 | 81.961 | 64.759 | 52.455 | 43.351 | 36.427 | 26.763 | 20.490 | 16.190 | 13.114 | 10.838 | 9.107 | 7.760 | 6.691 |
| **30ДБ5** | 684.099 | 384.805 | 246.276 | 171.025 | 125.651 | 96.201 | 76.011 | 61.569 | 50.883 | 42.756 | 31.413 | 24.050 | 19.003 | 15.392 | 12.721 | 10.689 | 9.108 | 7.853 |
| **30ДБ6** | 512.129 | 288.073 | 184.367 | 128.032 | 94.065 | 72.018 | 56.903 | 46.092 | 38.092 | 32.008 | 23.516 | 18.005 | 14.226 | 11.523 | 9.523 | 8.002 | 6.818 | 5.879 |
| **30ДБ7** | 589.045 | 331.338 | 212.056 | 147.261 | 108.192 | 82.834 | 65.449 | 53.014 | 43.813 | 36.815 | 27.048 | 20.709 | 16.362 | 13.254 | 10.953 | 9.204 | 7.842 | 6.762 |
| **30ДБ8** | 687.609 | 386.780 | 247.539 | 171.902 | 126.295 | 96.695 | 76.401 | 61.885 | 51.144 | 42.976 | 31.574 | 24.174 | 19.100 | 15.471 | 12.786 | 10.744 | 9.155 | 7.893 |
| **35ДБ1** | 469.142 | 263.892 | 168.891 | 117.285 | 86.169 | 65.973 | 52.127 | 42.223 | 34.895 | 29.321 | 21.542 | 16.493 | 13.032 | 10.556 | 8.724 | 7.330 | 6.246 | 5.386 |
| **35ДБ2** | 547.811 | 308.144 | 197.212 | 136.953 | 100.618 | 77.036 | 60.868 | 49.303 | 40.746 | 34.238 | 25.155 | 19.259 | 15.217 | 12.326 | 10.187 | 8.560 | 7.293 | 6.289 |
| **35ДБ3** | 674.054 | 379.155 | 242.659 | 168.514 | 123.806 | 94.789 | 74.895 | 60.665 | 50.136 | 42.128 | 30.951 | 23.697 | 18.724 | 15.166 | 12.534 | 10.532 | 8.974 | 7.738 |
| **35ДБ4** | 738.419 | 415.361 | 265.831 | 184.605 | 135.628 | 103.840 | 82.047 | 66.458 | 54.924 | 46.151 | 33.907 | 25.960 | 20.512 | 16.614 | 13.731 | 11.538 | 9.831 | 8.477 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **35ДБ5** | 829.583 | 466.640 | 298.650 | 207.396 | 152.372 | 116.660 | 92.176 | 74.662 | 61.704 | 51.849 | 38.093 | 29.165 | 23.044 | 18.666 | 15.426 | 12.962 | 11.045 | 9.523 |
| **35ДБ6** | 987.114 | 555.252 | 355.361 | 246.778 | 181.307 | 138.813 | 109.679 | 88.840 | 73.422 | 61.695 | 45.327 | 34.703 | 27.420 | 22.210 | 18.355 | 15.424 | 13.142 | 11.332 |
| **35ДБ7** | 1369.782 | 770.502 | 493.122 | 342.446 | 251.593 | 192.626 | 152.198 | 123.280 | 101.885 | 85.611 | 62.898 | 48.156 | 38.050 | 30.820 | 25.471 | 21.403 | 18.237 | 15.725 |
| **35ДБ8** | 1528.593 | 859.833 | 550.293 | 382.148 | 280.762 | 214.958 | 169.844 | 137.573 | 113.697 | 95.537 | 70.190 | 53.740 | 42.461 | 34.393 | 28.424 | 23.884 | 20.351 | 17.548 |
| **35ДБ9** | 1663.123 | 935.507 | 598.724 | 415.781 | 305.472 | 233.877 | 184.791 | 149.681 | 123.703 | 103.945 | 76.368 | 58.469 | 46.198 | 37.420 | 30.926 | 25.986 | 22.142 | 19.092 |
| **35ДБ10** | 1747.549 | 982.996 | 629.118 | 436.887 | 320.978 | 245.749 | 194.172 | 157.279 | 129.983 | 109.222 | 80.245 | 61.437 | 48.543 | 39.320 | 32.496 | 27.305 | 23.266 | 20.061 |
| **40ДБ1** | 631.314 | 355.114 | 227.273 | 157.829 | 115.956 | 88.779 | 70.146 | 56.818 | 46.957 | 39.457 | 28.989 | 22.195 | 17.537 | 14.205 | 11.739 | 9.864 | 8.405 | 7.247 |
| **40ДБ2** | 732.657 | 412.119 | 263.756 | 183.164 | 134.570 | 103.030 | 81.406 | 65.939 | 54.495 | 45.791 | 33.642 | 25.757 | 20.352 | 16.485 | 13.624 | 11.448 | 9.754 | 8.411 |
| **40ДБ3** | 869.126 | 488.883 | 312.885 | 217.281 | 159.635 | 122.221 | 96.570 | 78.221 | 64.646 | 54.320 | 39.909 | 30.555 | 24.142 | 19.555 | 16.161 | 13.580 | 11.571 | 9.977 |
| **40ДБ4** | 988.875 | 556.242 | 355.995 | 247.219 | 181.630 | 139.060 | 109.875 | 88.999 | 73.553 | 61.805 | 45.408 | 34.765 | 27.469 | 22.250 | 18.388 | 15.451 | 13.165 | 11.352 |
| **40ДБ5** | 1117.532 | 628.611 | 402.311 | 279.383 | 205.261 | 157.153 | 124.170 | 100.578 | 83.122 | 69.846 | 51.315 | 39.288 | 31.043 | 25.144 | 20.781 | 17.461 | 14.878 | 12.829 |
| **40ДБ6** | 1240.826 | 697.965 | 446.697 | 310.207 | 227.907 | 174.491 | 137.870 | 111.674 | 92.293 | 77.552 | 56.977 | 43.623 | 34.467 | 27.919 | 23.073 | 19.388 | 16.520 | 14.244 |
| **40ДБ7** | 1407.686 | 791.823 | 506.767 | 351.922 | 258.555 | 197.956 | 156.410 | 126.692 | 104.704 | 87.980 | 64.639 | 49.489 | 39.102 | 31.673 | 26.176 | 21.995 | 18.741 | 16.160 |
| **45ДБ1** | 900.918 | 506.767 | 324.331 | 225.230 | 165.475 | 126.692 | 100.102 | 81.083 | 67.010 | 56.307 | 41.369 | 31.673 | 25.026 | 20.271 | 16.753 | 14.077 | 11.994 | 10.342 |
| **45ДБ2** | 1062.314 | 597.552 | 382.433 | 265.579 | 195.119 | 149.388 | 118.035 | 95.608 | 79.015 | 66.395 | 48.780 | 37.347 | 29.509 | 23.902 | 19.754 | 16.599 | 14.143 | 12.195 |
| **45ДБ3** | 1224.819 | 688.960 | 440.935 | 306.205 | 224.967 | 172.240 | 136.091 | 110.234 | 91.102 | 76.551 | 56.242 | 43.060 | 34.023 | 27.558 | 22.776 | 19.138 | 16.307 | 14.060 |
| **45ДБ4** | 1335.128 | 751.010 | 480.646 | 333.782 | 245.228 | 187.752 | 148.348 | 120.162 | 99.307 | 83.446 | 61.307 | 46.938 | 37.087 | 30.040 | 24.827 | 20.861 | 17.775 | 15.327 |
| **45ДБ5** | 1480.969 | 833.045 | 533.149 | 370.242 | 272.015 | 208.261 | 164.552 | 133.287 | 110.155 | 92.561 | 68.004 | 52.065 | 41.138 | 33.322 | 27.539 | 23.140 | 19.717 | 17.001 |
| **45ДБ6** | 1220.543 | 686.556 | 439.396 | 305.136 | 224.181 | 171.639 | 135.616 | 109.849 | 90.784 | 76.284 | 56.045 | 42.910 | 33.904 | 27.462 | 22.696 | 19.071 | 16.250 | 14.011 |
| **45ДБ7** | 1364.527 | 767.547 | 491.230 | 341.132 | 250.627 | 191.887 | 151.614 | 122.807 | 101.494 | 85.283 | 62.657 | 47.972 | 37.904 | 30.702 | 25.373 | 21.321 | 18.167 | 15.664 |
| **45ДБ8** | 1507.306 | 847.860 | 542.630 | 376.826 | 276.852 | 211.965 | 167.478 | 135.658 | 112.114 | 94.207 | 69.213 | 52.991 | 41.870 | 33.914 | 28.028 | 23.552 | 20.068 | 17.303 |
| **45ДБ9** | 1651.910 | 929.199 | 594.687 | 412.977 | 303.412 | 232.300 | 183.546 | 148.672 | 122.869 | 103.244 | 75.853 | 58.075 | 45.886 | 37.168 | 30.717 | 25.811 | 21.993 | 18.963 |
| **45ДБ10** | 1784.544 | 1003.806 | 642.436 | 446.136 | 327.773 | 250.951 | 198.283 | 160.609 | 132.735 | 111.534 | 81.943 | 62.738 | 49.571 | 40.152 | 33.184 | 27.883 | 23.759 | 20.486 |
| **45ДБ11** | 1865.914 | 1049.577 | 671.729 | 466.478 | 342.719 | 262.394 | 207.324 | 167.932 | 138.787 | 116.620 | 85.680 | 65.599 | 51.831 | 41.983 | 34.697 | 29.155 | 24.842 | 21.420 |
| **53ДБ3** | 1957.085 | 1100.860 | 704.551 | 489.271 | 359.465 | 275.215 | 217.454 | 176.138 | 145.568 | 122.318 | 89.866 | 68.804 | 54.363 | 44.034 | 36.392 | 30.579 | 26.056 | 22.467 |
| **53ДБ4** | 2163.528 | 1216.985 | 778.870 | 540.882 | 397.383 | 304.246 | 240.392 | 194.718 | 160.924 | 135.221 | 99.346 | 76.062 | 60.098 | 48.679 | 40.231 | 33.805 | 28.804 | 24.836 |
| **53ДБ5** | 2328.107 | 1309.560 | 838.118 | 582.027 | 427.611 | 327.390 | 258.679 | 209.530 | 173.165 | 145.507 | 106.903 | 81.847 | 64.670 | 52.382 | 43.291 | 36.377 | 30.996 | 26.726 |
| **53ДБ6** | 2519.920 | 1417.455 | 907.171 | 629.980 | 462.842 | 354.364 | 279.991 | 226.793 | 187.432 | 157.495 | 115.711 | 88.591 | 69.998 | 56.698 | 46.858 | 39.374 | 33.549 | 28.928 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

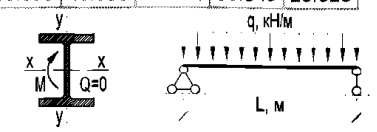


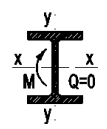
Таблица 6.4.3

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **53ДБ7** | 2825.029 | 1589.079 | 1017.011 | 706.257 | 518.883 | 397.270 | 313.892 | 254.253 | 210.126 | 176.564 | 129.721 | 99.317 | 78.473 | 63.563 | 52.532 | 44.141 | 37.611 | 32.430 |
| **60ДБ1** | 1832.204 | 1030.615 | 659.593 | 458.051 | 336.527 | 257.654 | 203.578 | 164.898 | 136.280 | 114.513 | 84.132 | 64.413 | 50.895 | 41.225 | 34.070 | 28.628 | 24.393 | 21.033 |
| **60ДБ2** | 2084.713 | 1172.651 | 750.497 | 521.178 | 382.906 | 293.163 | 231.635 | 187.624 | 155.061 | 130.295 | 95.727 | 73.291 | 57.909 | 46.906 | 38.765 | 32.574 | 27.755 | 23.932 |
| **60ДБ3** | 2406.562 | 1353.691 | 866.362 | 601.640 | 442.022 | 338.423 | 267.396 | 216.591 | 179.000 | 150.410 | 110.505 | 84.606 | 66.849 | 54.148 | 44.750 | 37.603 | 32.040 | 27.626 |
| **60ДБ4** | 2724.353 | 1532.449 | 980.767 | 681.088 | 500.391 | 383.112 | 302.706 | 245.192 | 202.638 | 170.272 | 125.098 | 95.778 | 75.676 | 61.298 | 50.659 | 42.568 | 36.271 | 31.274 |
| **60ДБ5** | 3034.104 | 1706.684 | 1092.277 | 758.526 | 557.284 | 426.671 | 337.123 | 273.069 | 225.677 | 189.632 | 139.321 | 106.668 | 84.281 | 68.267 | 56.419 | 47.408 | 40.395 | 34.830 |
| **60ДБ6** | 3270.754 | 1839.799 | 1177.472 | 817.689 | 600.751 | 459.950 | 363.417 | 294.368 | 243.279 | 204.422 | 150.188 | 114.987 | 90.854 | 73.592 | 60.820 | 51.106 | 43.546 | 37.547 |
| | **Тип ДК - Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| **10ДК1** | 67.484 | 37.960 | 24.294 | 16.871 | 12.395 | 9.490 | 7.498 | 6.074 | 5.020 | 4.218 | 3.099 | 2.373 | 1.875 | 1.518 | 1.255 | 1.054 | 0.898 | 0.775 |
| **10ДК2** | 83.000 | 46.688 | 29.880 | 20.750 | 15.245 | 11.672 | 9.222 | 7.470 | 6.174 | 5.188 | 3.811 | 2.918 | 2.306 | 1.868 | 1.543 | 1.297 | 1.105 | 0.953 |
| **10ДК3** | 167.605 | 94.278 | 60.338 | 41.901 | 30.785 | 23.570 | 18.623 | 15.084 | 12.467 | 10.475 | 7.696 | 5.892 | 4.656 | 3.771 | 3.117 | 2.619 | 2.231 | 1.924 |
| **12ДК1** | 98.106 | 55.185 | 35.318 | 24.527 | 18.020 | 13.796 | 10.901 | 8.830 | 7.297 | 6.132 | 4.505 | 3.449 | 2.725 | 2.207 | 1.824 | 1.533 | 1.306 | 1.126 |
| **12ДК2** | 127.529 | 71.735 | 45.910 | 31.882 | 23.424 | 17.934 | 14.170 | 11.478 | 9.486 | 7.971 | 5.856 | 4.483 | 3.542 | 2.869 | 2.371 | 1.993 | 1.698 | 1.464 |
| **12ДК3** | 243.810 | 137.143 | 87.772 | 60.953 | 44.781 | 34.286 | 27.090 | 21.943 | 18.135 | 15.238 | 11.195 | 8.571 | 6.773 | 5.486 | 4.534 | 3.810 | 3.246 | 2.799 |
| **14ДК1** | 143.846 | 80.913 | 51.785 | 35.962 | 26.421 | 20.228 | 15.983 | 12.946 | 10.699 | 8.990 | 6.605 | 5.057 | 3.996 | 3.237 | 2.675 | 2.248 | 1.915 | 1.651 |
| **14ДК2** | 191.311 | 107.613 | 68.872 | 47.828 | 35.139 | 26.903 | 21.257 | 17.218 | 14.230 | 11.957 | 8.785 | 6.726 | 5.314 | 4.305 | 3.557 | 2.989 | 2.547 | 2.196 |
| **14ДК3** | 348.387 | 195.968 | 125.419 | 87.097 | 63.990 | 48.992 | 38.710 | 31.355 | 25.913 | 21.774 | 15.997 | 12.248 | 9.677 | 7.839 | 6.478 | 5.444 | 4.638 | 3.999 |
| **15ДК1** | 150.750 | 84.797 | 54.270 | 37.687 | 27.689 | 21.199 | 16.750 | 13.567 | 11.213 | 9.422 | 6.922 | 5.300 | 4.187 | 3.392 | 2.803 | 2.355 | 2.007 | 1.731 |
| **15ДК2** | 205.411 | 115.543 | 73.948 | 51.353 | 37.728 | 28.886 | 22.823 | 18.487 | 15.278 | 12.838 | 9.432 | 7.221 | 5.706 | 4.622 | 3.820 | 3.210 | 2.735 | 2.358 |
| **15ДК3** | 246.947 | 138.908 | 88.901 | 61.737 | 45.358 | 34.727 | 27.439 | 22.225 | 18.368 | 15.434 | 11.339 | 8.682 | 6.860 | 5.556 | 4.592 | 3.859 | 3.288 | 2.835 |
| **16ДК1** | 204.604 | 115.090 | 73.657 | 51.151 | 37.580 | 28.772 | 22.734 | 18.414 | 15.218 | 12.788 | 9.395 | 7.193 | 5.683 | 4.604 | 3.805 | 3.197 | 2.724 | 2.349 |
| **16ДК2** | 276.477 | 155.519 | 99.532 | 69.119 | 50.782 | 38.880 | 30.720 | 24.883 | 20.564 | 17.280 | 12.695 | 9.720 | 7.680 | 6.221 | 5.141 | 4.320 | 3.681 | 3.174 |
| **16ДК3** | 480.888 | 270.500 | 173.120 | 120.222 | 88.326 | 67.625 | 53.432 | 43.280 | 35.769 | 30.056 | 22.082 | 16.906 | 13.358 | 10.820 | 8.942 | 7.514 | 6.402 | 5.520 |
| **18ДК1** | 272.767 | 153.431 | 98.196 | 68.192 | 50.100 | 38.358 | 30.307 | 24.549 | 20.288 | 17.048 | 12.525 | 9.589 | 7.577 | 6.137 | 5.072 | 4.262 | 3.632 | 3.131 |
| **18ДК2** | 377.201 | 212.176 | 135.792 | 94.300 | 69.282 | 53.044 | 41.911 | 33.948 | 28.056 | 23.575 | 17.320 | 13.261 | 10.478 | 8.487 | 7.014 | 5.894 | 5.022 | 4.330 |
| **18ДК3** | 635.699 | 357.581 | 228.852 | 158.925 | 116.761 | 89.395 | 70.633 | 57.213 | 47.283 | 39.731 | 29.190 | 22.349 | 17.658 | 14.303 | 11.821 | 9.933 | 8.463 | 7.298 |
| **20ДК1** | 400.782 | 225.440 | 144.281 | 100.195 | 73.613 | 56.360 | 44.531 | 36.070 | 29.810 | 25.049 | 18.403 | 14.090 | 11.133 | 9.018 | 7.453 | 6.262 | 5.336 | 4.601 |
| **20ДК2** | 456.920 | 257.018 | 164.491 | 114.230 | 83.924 | 64.254 | 50.769 | 41.123 | 33.986 | 28.558 | 20.981 | 16.064 | 12.692 | 10.281 | 8.496 | 7.139 | 6.083 | 5.245 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **20ДК3** | 520.327 | 292.684 | 187.318 | 130.082 | 95.570 | 73.171 | 57.814 | 46.829 | 38.702 | 32.520 | 23.893 | 18.293 | 14.454 | 11.707 | 9.676 | 8.130 | 6.927 | 5.973 |
| **20ДК4** | 630.759 | 354.802 | 227.073 | 157.690 | 115.854 | 88.700 | 70.084 | 56.768 | 46.916 | 39.422 | 28.963 | 22.175 | 17.521 | 14.192 | 11.729 | 9.856 | 8.398 | 7.241 |
| **20ДК5** | 729.244 | 410.200 | 262.528 | 182.311 | 133.943 | 102.550 | 81.027 | 65.632 | 54.241 | 45.578 | 33.486 | 25.637 | 20.257 | 16.408 | 13.560 | 11.394 | 9.709 | 8.371 |
| **20ДК6** | 844.141 | 474.830 | 303.891 | 211.035 | 155.046 | 118.707 | 93.793 | 75.973 | 62.787 | 52.759 | 38.762 | 29.677 | 23.448 | 18.993 | 15.697 | 13.190 | 11.239 | 9.690 |
| **25ДК1** | 793.938 | 446.590 | 285.818 | 198.484 | 145.825 | 111.648 | 88.215 | 71.454 | 59.053 | 49.621 | 36.456 | 27.912 | 22.054 | 17.864 | 14.763 | 12.405 | 10.570 | 9.114 |
| **25ДК2** | 874.267 | 491.775 | 314.736 | 218.567 | 160.580 | 122.944 | 97.141 | 78.684 | 65.028 | 54.642 | 40.145 | 30.736 | 24.285 | 19.671 | 16.257 | 13.660 | 11.640 | 10.036 |
| **25ДК3** | 977.702 | 549.957 | 351.973 | 244.425 | 179.578 | 137.489 | 108.634 | 87.993 | 72.722 | 61.106 | 44.894 | 34.372 | 27.158 | 21.998 | 18.180 | 15.277 | 13.017 | 11.224 |
| **25ДК4** | 1104.262 | 621.148 | 397.534 | 276.066 | 202.824 | 155.287 | 122.696 | 99.384 | 82.135 | 69.016 | 50.706 | 38.822 | 30.674 | 24.846 | 20.534 | 17.254 | 14.702 | 12.676 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



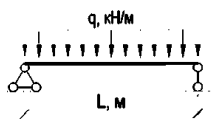



Таблица 6.4.3

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 45,46 | 25,57 | 16,37 | 11,37 | 8,35 | 6,39 | 5,05 | 4,09 | 3,38 | 2,84 | 2,09 | 1,60 | 1,26 | 1,02 | 0,85 | 0,71 | 0,61 | 0,52 |
| 12Б1 | 58,56 | 32,94 | 21,08 | 14,64 | 10,76 | 8,24 | 6,51 | 5,27 | 4,36 | 3,66 | 2,69 | 2,06 | 1,63 | 1,32 | 1,09 | 0,92 | 0,78 | 0,67 |
| 12Б2 | 70,52 | 39,67 | 25,39 | 17,63 | 12,95 | 9,92 | 7,84 | 6,35 | 5,25 | 4,41 | 3,24 | 2,48 | 1,96 | 1,59 | 1,31 | 1,10 | 0,94 | 0,81 |
| 14Б1 | 84,23 | 47,38 | 30,32 | 21,06 | 15,47 | 11,84 | 9,36 | 7,58 | 6,26 | 5,26 | 3,87 | 2,96 | 2,34 | 1,90 | 1,57 | 1,32 | 1,12 | 0,97 |
| 14Б2 | 102,89 | 57,87 | 37,04 | 25,72 | 18,90 | 14,47 | 11,43 | 9,26 | 7,65 | 6,43 | 4,72 | 3,62 | 2,86 | 2,31 | 1,91 | 1,61 | 1,37 | 1,18 |
| 16Б1 | 117,04 | 65,83 | 42,13 | 29,26 | 21,50 | 16,46 | 13,00 | 10,53 | 8,71 | 7,31 | 5,37 | 4,11 | 3,25 | 2,63 | 2,18 | 1,83 | 1,56 | 1,34 |
| 16Б2 | 144,86 | 81,48 | 52,15 | 36,22 | 26,61 | 20,37 | 16,10 | 13,04 | 10,77 | 9,05 | 6,65 | 5,09 | 4,02 | 3,26 | 2,69 | 2,26 | 1,93 | 1,66 |
| 18Б1 | 160,01 | 90,01 | 57,60 | 40,00 | 29,39 | 22,50 | 17,78 | 14,40 | 11,90 | 10,00 | 7,35 | 5,63 | 4,44 | 3,60 | 2,98 | 2,50 | 2,13 | 1,84 |
| 18Б2 | 194,939 | 109,653 | 70,178 | 48,735 | 35,805 | 27,413 | 21,660 | 17,545 | 14,500 | 12,184 | 8,951 | 6,853 | 5,415 | 4,386 | 3,625 | 3,046 | 2,595 | 2,238 |
| 20Б0 | 213,205 | 119,928 | 76,754 | 53,301 | 39,160 | 29,982 | 23,689 | 19,188 | 15,858 | 13,325 | 9,790 | 7,496 | 5,922 | 4,797 | 3,965 | 3,331 | 2,839 | 2,448 |
| 20Б1 | 246,234 | 138,507 | 88,644 | 61,559 | 45,227 | 34,627 | 27,359 | 22,161 | 18,315 | 15,390 | 11,307 | 8,657 | 6,840 | 5,540 | 4,579 | 3,847 | 3,278 | 2,827 |
| 20Б2 | 292,757 | 164,676 | 105,393 | 73,189 | 53,772 | 41,169 | 32,529 | 26,348 | 21,775 | 18,297 | 13,443 | 10,292 | 8,132 | 6,587 | 5,444 | 4,574 | 3,898 | 3,361 |
| 20Б3 | 365,297 | 205,479 | 131,507 | 91,324 | 67,095 | 51,370 | 40,589 | 32,877 | 27,171 | 22,831 | 16,774 | 12,842 | 10,147 | 8,219 | 6,793 | 5,708 | 4,863 | 4,193 |
| 25Б1 | 379,135 | 213,264 | 136,489 | 94,784 | 69,637 | 53,316 | 42,126 | 34,122 | 28,200 | 23,696 | 17,409 | 13,329 | 10,532 | 8,531 | 7,050 | 5,924 | 5,048 | 4,352 |
| 25Б2 | 432,884 | 243,497 | 155,838 | 108,221 | 79,509 | 60,874 | 48,098 | 38,960 | 32,198 | 27,055 | 19,877 | 15,219 | 12,025 | 9,740 | 8,049 | 6,764 | 5,763 | 4,969 |
| 25Б3 | 547,883 | 308,184 | 197,238 | 136,971 | 100,632 | 77,046 | 60,876 | 49,309 | 40,752 | 34,243 | 25,158 | 19,262 | 15,219 | 12,327 | 10,188 | 8,561 | 7,294 | 6,289 |
| 25Б4 | 664,042 | 373,524 | 239,055 | 166,010 | 121,967 | 93,381 | 73,782 | 59,764 | 49,392 | 41,503 | 30,492 | 23,345 | 18,446 | 14,941 | 12,348 | 10,376 | 8,841 | 7,623 |
| 30Б1 | 568,553 | 319,811 | 204,679 | 142,138 | 104,428 | 79,953 | 63,173 | 51,170 | 42,289 | 35,535 | 26,107 | 19,988 | 15,793 | 12,792 | 10,572 | 8,884 | 7,569 | 6,527 |
| 30Б2 | 646,876 | 363,868 | 232,875 | 161,719 | 118,814 | 90,967 | 71,875 | 58,219 | 48,115 | 40,430 | 29,703 | 22,742 | 17,969 | 14,555 | 12,029 | 10,107 | 8,612 | 7,426 |
| 30Б3 | 813,854 | 457,793 | 292,987 | 203,463 | 149,483 | 114,448 | 90,428 | 73,247 | 60,535 | 50,866 | 37,371 | 28,612 | 22,607 | 18,312 | 15,134 | 12,716 | 10,835 | 9,343 |
| 30Б4 | 981,918 | 552,329 | 353,490 | 245,479 | 180,352 | 138,082 | 109,102 | 88,373 | 73,035 | 61,370 | 45,088 | 34,521 | 27,275 | 22,093 | 18,259 | 15,342 | 13,073 | 11,272 |
| 35Б1 | 857,395 | 482,285 | 308,662 | 214,349 | 157,481 | 120,571 | 95,266 | 77,166 | 63,773 | 53,587 | 39,370 | 30,143 | 23,817 | 19,291 | 15,943 | 13,397 | 11,415 | 9,843 |
| 35Б2 | 1032,575 | 580,823 | 371,727 | 258,144 | 189,657 | 145,206 | 114,731 | 92,932 | 76,803 | 64,536 | 47,414 | 36,301 | 28,683 | 23,233 | 19,201 | 16,134 | 13,747 | 11,854 |
| 35Б3 | 1258,805 | 708,078 | 453,170 | 314,701 | 231,209 | 177,019 | 139,867 | 113,292 | 93,630 | 78,675 | 57,802 | 44,255 | 34,967 | 28,323 | 23,408 | 19,669 | 16,759 | 14,451 |
| 35Б4 | 1522,223 | 856,250 | 548,000 | 380,556 | 279,592 | 214,063 | 169,136 | 137,000 | 113,223 | 95,139 | 69,898 | 53,516 | 42,284 | 34,250 | 28,306 | 23,785 | 20,266 | 17,474 |
| 40Б1 | 1347,293 | 757,852 | 485,026 | 336,823 | 247,462 | 189,463 | 149,699 | 121,256 | 100,212 | 84,206 | 61,866 | 47,366 | 37,425 | 30,314 | 25,053 | 21,051 | 17,937 | 15,466 |
| 40Б2 | 1574,396 | 885,598 | 566,783 | 393,599 | 289,175 | 221,400 | 174,933 | 141,696 | 117,104 | 98,400 | 72,294 | 55,350 | 43,733 | 35,424 | 29,276 | 24,600 | 20,961 | 18,073 |
| 40Б3 | 1914,747 | 1077,045 | 689,309 | 478,687 | 351,688 | 269,261 | 212,750 | 172,327 | 142,419 | 119,672 | 87,922 | 67,315 | 53,187 | 43,082 | 35,605 | 29,918 | 25,492 | 21,981 |
| 40Б4 | 2257,184 | 1269,666 | 812,586 | 564,296 | 414,585 | 317,416 | 250,798 | 203,147 | 167,890 | 141,074 | 103,646 | 79,354 | 62,700 | 50,787 | 41,972 | 35,268 | 30,051 | 25,912 |
| 45Б1 | 1735,432 | 976,181 | 624,756 | 433,858 | 318,753 | 244,045 | 192,826 | 156,189 | 129,082 | 108,465 | 79,688 | 61,011 | 48,206 | 39,047 | 32,270 | 27,116 | 23,105 | 19,922 |
| 45Б2 | 1999,668 | 1124,813 | 719,880 | 499,917 | 367,286 | 281,203 | 222,185 | 179,970 | 148,736 | 124,979 | 91,821 | 70,301 | 55,546 | 44,993 | 37,184 | 31,245 | 26,623 | 22,955 |
| 45Б3 | 2394,320 | 1346,805 | 861,955 | 598,580 | 439,773 | 336,701 | 266,036 | 215,489 | 178,090 | 149,645 | 109,943 | 84,175 | 66,509 | 53,872 | 44,522 | 37,411 | 31,877 | 27,486 |
| 45Б4 | 2791,024 | 1569,951 | 1004,769 | 697,756 | 512,637 | 392,488 | 310,114 | 251,192 | 207,597 | 174,439 | 128,159 | 98,122 | 77,528 | 62,798 | 51,899 | 43,610 | 37,159 | 32,040 |
| 50Б1 | 2043,382 | 1149,402 | 735,617 | 510,845 | 375,315 | 287,351 | 227,042 | 183,904 | 151,987 | 127,711 | 93,829 | 71,838 | 56,761 | 45,976 | 37,997 | 31,928 | 27,205 | 23,457 |
| 50Б2 | 2285,658 | 1285,683 | 822,837 | 571,415 | 419,815 | 321,421 | 253,962 | 205,709 | 170,008 | 142,854 | 104,954 | 80,355 | 63,491 | 51,427 | 42,502 | 35,713 | 30,430 | 26,238 |
| 50Б3 | 2586,437 | 1454,871 | 931,117 | 646,609 | 475,060 | 363,718 | 287,382 | 232,779 | 192,380 | 161,652 | 118,765 | 90,929 | 71,845 | 58,195 | 48,095 | 40,413 | 34,435 | 29,691 |
| 50Б4 | 3179,849 | 1788,665 | 1144,746 | 794,962 | 584,054 | 447,166 | 353,317 | 286,186 | 236,518 | 198,741 | 146,013 | 111,792 | 88,329 | 71,547 | 59,129 | 49,685 | 42,335 | 36,503 |
| 50Б5 | 3728,146 | 2097,082 | 1342,132 | 932,036 | 684,761 | 524,270 | 414,238 | 335,533 | 277,300 | 233,009 | 171,190 | 131,068 | 103,560 | 83,883 | 69,325 | 58,252 | 49,635 | 42,798 |
| 55Б1 | 2791,163 | 1570,029 | 1004,819 | 697,791 | 512,663 | 392,507 | 310,129 | 251,205 | 207,607 | 174,448 | 128,166 | 98,127 | 77,532 | 62,801 | 51,902 | 43,612 | 37,160 | 32,041 |
| 55Б2 | 3109,095 | 1748,866 | 1119,274 | 777,274 | 571,058 | 437,216 | 345,455 | 279,819 | 231,255 | 194,318 | 142,765 | 109,304 | 86,364 | 69,955 | 57,814 | 48,580 | 41,393 | 35,691 |
| 55Б3 | 3688,854 | 2074,980 | 1327,987 | 922,213 | 677,545 | 518,745 | 409,873 | 331,997 | 274,378 | 230,553 | 169,386 | 129,686 | 102,468 | 82,999 | 68,594 | 57,638 | 49,112 | 42,347 |
| 55Б4 | 4216,272 | 2371,653 | 1517,858 | 1054,068 | 774,417 | 592,913 | 468,475 | 379,465 | 313,607 | 263,517 | 193,604 | 148,228 | 117,119 | 94,866 | 78,402 | 65,879 | 56,134 | 48,401 |
| 60Б1 | 3160,390 | 1777,719 | 1137,740 | 790,098 | 580,480 | 444,430 | 351,154 | 284,435 | 235,070 | 197,524 | 145,120 | 111,107 | 87,789 | 71,109 | 58,768 | 49,381 | 42,076 | 36,280 |
| 60Б2 | 3540,933 | 1991,775 | 1274,736 | 885,233 | 650,375 | 497,944 | 393,437 | 318,684 | 263,375 | 221,308 | 162,594 | 124,486 | 98,359 | 79,671 | 65,844 | 55,327 | 47,143 | 40,648 |
| 60Б3 | 3965,952 | 2230,848 | 1427,743 | 991,488 | 728,440 | 557,712 | 440,661 | 356,936 | 294,988 | 247,872 | 182,110 | 139,428 | 110,165 | 89,234 | 73,747 | 61,968 | 52,801 | 45,528 |
| 60Б4 | 4624,225 | 2601,127 | 1664,721 | 1156,056 | 849,347 | 650,282 | 513,803 | 416,180 | 343,951 | 289,014 | 212,337 | 162,570 | 128,451 | 104,045 | 85,988 | 72,254 | 61,565 | 53,084 |
| 70Б1 | 5003,792 | 2814,633 | 1801,365 | 1250,948 | 919,064 | 703,658 | 555,977 | 450,341 | 372,183 | 312,737 | 229,766 | 175,915 | 138,994 | 112,585 | 93,046 | 78,184 | 66,619 | 57,441 |
| 70Б2 | 5767,711 | 3244,337 | 2076,376 | 1441,928 | 1059,375 | 811,084 | 640,857 | 519,094 | 429,003 | 360,482 | 264,844 | 202,771 | 160,214 | 129,773 | 107,251 | 90,120 | 76,789 | 66,211 |
| 70Б3 | 6310,143 | 3549,455 | 2271,651 | 1577,536 | 1159,006 | 887,364 | 701,127 | 567,913 | 469,349 | 394,384 | 289,751 | 221,841 | 175,282 | 141,978 | 117,337 | 98,596 | 84,011 | 72,438 |
| 70Б4 | 7447,868 | 4189,426 | 2681,233 | 1861,967 | 1367,976 | 1047,356 | 827,541 | 670,308 | 553,974 | 465,492 | 341,994 | 261,839 | 206,885 | 167,577 | 138,493 | 116,373 | 99,158 | 85,498 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 285,821 | 160,775 | 102,896 | 71,455 | 52,498 | 40,194 | 31,758 | 25,724 | 21,259 | 17,864 | 13,124 | 10,048 | 7,939 | 6,431 | 5,315 | 4,466 | 3,805 | 3,281 |
| 20Ш1 | 361,124 | 203,132 | 130,005 | 90,281 | 66,329 | 50,783 | 40,125 | 32,501 | 26,860 | 22,570 | 16,582 | 12,696 | 10,031 | 8,125 | 6,715 | 5,643 | 4,808 | 4,146 |
| 20Ш2 | 457,924 | 257,583 | 164,853 | 114,481 | 84,109 | 64,396 | 50,880 | 41,213 | 34,060 | 28,620 | 21,027 | 16,099 | 12,720 | 10,303 | 8,515 | 7,155 | 6,097 | 5,257 |
| 20Ш3 | 555,965 | 312,730 | 200,147 | 138,991 | 102,116 | 78,183 | 61,774 | 50,037 | 41,353 | 34,748 | 25,529 | 19,546 | 15,443 | 12,509 | 10,338 | 8,687 | 7,402 | 6,382 |
| 20Ш4 | 700,798 | 394,199 | 252,287 | 175,199 | 128,718 | 98,550 | 77,866 | 63,072 | 52,125 | 43,800 | 32,179 | 24,637 | 19,467 | 15,768 | 13,031 | 10,950 | 9,330 | 8,045 |
| 20Ш5 | 821,951 | 462,347 | 295,902 | 205,488 | 150,971 | 115,587 | 91,328 | 73,976 | 61,137 | 51,372 | 37,743 | 28,897 | 22,832 | 18,494 | 15,284 | 12,843 | 10,943 | 9,436 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

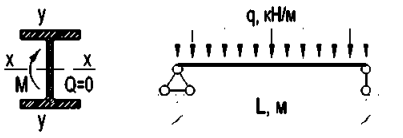


Таблица 6.4.3

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 20Ш6 | 1027,468 | 577,951 | 369,888 | 256,867 | 188,719 | 144,488 | 114,163 | 92,472 | 76,423 | 64,217 | 47,180 | 36,122 | 28,541 | 23,118 | 19,106 | 16,054 | 13,679 | 11,795 |
| 25Ш0 | 542,149 | 304,959 | 195,174 | 135,537 | 99,578 | 76,240 | 60,239 | 48,793 | 40,325 | 33,884 | 24,895 | 19,060 | 15,060 | 12,198 | 10,081 | 8,471 | 7,218 | 6,224 |
| 25Ш1 | 654,221 | 367,999 | 235,519 | 163,555 | 120,163 | 92,000 | 72,691 | 58,880 | 48,661 | 40,889 | 30,041 | 23,000 | 18,173 | 14,720 | 12,165 | 10,222 | 8,710 | 7,510 |
| 25Ш2 | 797,955 | 448,850 | 287,264 | 199,489 | 146,563 | 112,212 | 88,662 | 71,816 | 59,352 | 49,872 | 36,641 | 28,053 | 22,165 | 17,954 | 14,838 | 12,468 | 10,624 | 9,160 |
| 25Ш3 | 998,764 | 561,805 | 359,555 | 249,691 | 183,446 | 140,451 | 110,974 | 89,889 | 74,288 | 62,423 | 45,862 | 35,113 | 27,743 | 22,472 | 18,572 | 15,606 | 13,297 | 11,465 |
| 25Ш4 | 1219,961 | 686,228 | 439,186 | 304,990 | 224,074 | 171,557 | 135,551 | 109,796 | 90,741 | 76,248 | 56,019 | 42,889 | 33,888 | 27,449 | 22,685 | 19,062 | 16,242 | 14,005 |
| 25Ш5 | 1518,048 | 853,902 | 546,497 | 379,512 | 278,825 | 213,475 | 168,672 | 136,624 | 112,913 | 94,878 | 69,706 | 53,369 | 42,168 | 34,156 | 28,228 | 23,719 | 20,211 | 17,427 |
| 25Ш6 | 1875,463 | 1054,948 | 675,167 | 468,866 | 344,473 | 263,737 | 208,385 | 168,792 | 139,497 | 117,216 | 86,118 | 65,934 | 52,096 | 42,198 | 34,874 | 29,304 | 24,969 | 21,530 |
| 30Ш0 | 852,405 | 479,478 | 306,866 | 213,101 | 156,564 | 119,869 | 94,712 | 76,716 | 63,402 | 53,275 | 39,141 | 29,967 | 23,678 | 19,179 | 15,851 | 13,319 | 11,349 | 9,785 |
| 30Ш1 | 1009,334 | 567,750 | 363,360 | 252,334 | 185,388 | 141,938 | 112,148 | 90,840 | 75,074 | 63,083 | 46,347 | 35,484 | 28,037 | 22,710 | 18,769 | 15,771 | 13,438 | 11,587 |
| 30Ш2 | 1235,101 | 694,744 | 444,636 | 308,775 | 226,855 | 173,686 | 137,233 | 111,159 | 91,867 | 77,194 | 56,714 | 43,422 | 34,308 | 27,790 | 22,967 | 19,298 | 16,444 | 14,178 |
| 30Ш3 | 1487,800 | 836,887 | 535,608 | 371,950 | 273,269 | 209,222 | 165,311 | 133,902 | 110,663 | 92,987 | 68,317 | 52,305 | 41,328 | 33,475 | 27,666 | 23,247 | 19,808 | 17,079 |
| 30Ш4 | 1768,707 | 994,898 | 636,735 | 442,177 | 324,865 | 248,724 | 196,523 | 159,184 | 131,557 | 110,544 | 81,216 | 62,181 | 49,131 | 39,796 | 32,889 | 27,636 | 23,548 | 20,304 |
| 30Ш5 | 2248,339 | 1264,691 | 809,402 | 562,085 | 412,960 | 316,173 | 249,815 | 202,351 | 167,232 | 140,521 | 103,240 | 79,043 | 62,454 | 50,588 | 41,808 | 35,130 | 29,934 | 25,810 |
| 30Ш6 | 2897,442 | 1629,811 | 1043,079 | 724,360 | 532,183 | 407,453 | 321,938 | 260,770 | 215,512 | 181,090 | 133,046 | 101,863 | 80,484 | 65,192 | 53,878 | 45,273 | 38,575 | 33,261 |
| 35Ш1 | 1340,889 | 754,250 | 482,720 | 335,222 | 246,286 | 188,563 | 148,988 | 120,680 | 99,736 | 83,806 | 61,571 | 47,141 | 37,247 | 30,170 | 24,934 | 20,951 | 17,852 | 15,393 |
| 35Ш2 | 1662,178 | 934,975 | 598,384 | 415,544 | 305,298 | 233,744 | 184,686 | 149,596 | 123,633 | 103,886 | 76,324 | 58,436 | 46,172 | 37,399 | 30,908 | 25,972 | 22,130 | 19,081 |
| 35Ш3 | 2066,478 | 1162,394 | 743,932 | 516,620 | 379,557 | 290,598 | 229,609 | 185,983 | 153,705 | 129,155 | 94,889 | 72,650 | 57,402 | 46,496 | 38,426 | 32,289 | 27,512 | 23,722 |
| 35Ш4 | 2404,684 | 1352,635 | 865,686 | 601,171 | 441,677 | 338,159 | 267,187 | 216,422 | 178,861 | 150,293 | 110,419 | 84,540 | 66,797 | 54,105 | 44,715 | 37,573 | 32,015 | 27,605 |
| 35Ш5 | 2998,243 | 1686,512 | 1079,368 | 749,561 | 550,698 | 421,628 | 333,138 | 269,842 | 223,010 | 187,390 | 137,674 | 105,407 | 83,285 | 67,460 | 55,752 | 46,848 | 39,917 | 34,419 |
| 35Ш6 | 3684,319 | 2072,430 | 1326,355 | 921,080 | 676,712 | 518,107 | 409,369 | 331,589 | 274,040 | 230,270 | 169,178 | 129,527 | 102,342 | 82,897 | 68,510 | 57,567 | 49,052 | 42,294 |
| 35Ш7 | 4609,571 | 2592,884 | 1659,446 | 1152,393 | 846,656 | 648,221 | 512,175 | 414,861 | 342,861 | 288,098 | 211,664 | 162,055 | 128,044 | 103,715 | 85,715 | 72,025 | 61,370 | 52,916 |
| 40Ш1 | 2088,469 | 1174,764 | 751,849 | 522,117 | 383,596 | 293,691 | 232,052 | 187,962 | 155,341 | 130,529 | 95,899 | 73,423 | 58,013 | 46,991 | 38,835 | 32,632 | 27,805 | 23,975 |
| 40Ш2 | 2578,405 | 1450,353 | 928,226 | 644,601 | 473,585 | 362,588 | 286,489 | 232,056 | 191,782 | 161,150 | 118,396 | 90,647 | 71,622 | 58,014 | 47,946 | 40,288 | 34,328 | 29,599 |
| 40Ш3 | 3130,968 | 1761,170 | 1127,149 | 782,742 | 575,076 | 440,292 | 347,885 | 281,787 | 232,882 | 195,686 | 143,769 | 110,073 | 86,971 | 70,447 | 58,220 | 48,921 | 41,684 | 35,942 |
| 40Ш4 | 3730,856 | 2098,607 | 1343,108 | 932,714 | 685,259 | 524,652 | 414,540 | 335,777 | 277,502 | 233,179 | 171,315 | 131,163 | 103,635 | 83,944 | 69,375 | 58,295 | 49,671 | 42,829 |
| 40Ш5 | 4684,633 | 2635,106 | 1686,468 | 1171,158 | 860,443 | 658,776 | 520,515 | 421,617 | 348,444 | 292,790 | 215,111 | 164,694 | 130,129 | 105,404 | 87,111 | 73,197 | 62,369 | 53,778 |
| 40Ш6 | 5638,054 | 3171,406 | 2029,700 | 1409,514 | 1035,561 | 792,851 | 626,450 | 507,425 | 419,359 | 352,378 | 258,890 | 198,213 | 156,613 | 126,856 | 104,840 | 88,095 | 75,063 | 64,723 |
| 40Ш7 | 6691,995 | 3764,247 | 2409,118 | 1672,999 | 1229,142 | 941,062 | 743,555 | 602,280 | 497,752 | 418,250 | 307,285 | 235,265 | 185,889 | 150,570 | 124,438 | 104,562 | 89,095 | 76,821 |
| 45Ш0 | 2821,737 | 1587,227 | 1015,825 | 705,434 | 518,278 | 396,807 | 313,526 | 253,956 | 209,881 | 176,359 | 129,570 | 99,202 | 78,382 | 63,489 | 52,470 | 44,090 | 37,568 | 32,392 |
| 45Ш1 | 3325,077 | 1870,356 | 1197,028 | 831,269 | 610,728 | 467,589 | 369,453 | 299,257 | 247,320 | 207,817 | 152,682 | 116,897 | 92,363 | 74,814 | 61,830 | 51,954 | 44,269 | 38,171 |
| 45Ш2 | 3771,822 | 2121,650 | 1357,856 | 942,956 | 692,784 | 530,413 | 419,091 | 339,464 | 280,549 | 235,739 | 173,196 | 132,603 | 104,773 | 84,866 | 70,137 | 58,935 | 50,217 | 43,299 |
| 45Ш3 | 4320,394 | 2430,222 | 1555,342 | 1080,099 | 793,542 | 607,555 | 480,044 | 388,835 | 321,352 | 270,025 | 198,385 | 151,889 | 120,011 | 97,209 | 80,338 | 67,506 | 57,520 | 49,596 |
| 45Ш4 | 5395,463 | 3034,948 | 1942,367 | 1348,866 | 991,003 | 758,737 | 599,496 | 485,592 | 401,315 | 337,216 | 247,751 | 189,684 | 149,874 | 121,398 | 100,329 | 84,304 | 71,833 | 61,938 |
| 45Ш5 | 6460,728 | 3634,160 | 2325,862 | 1615,182 | 1186,664 | 908,540 | 717,859 | 581,466 | 480,550 | 403,796 | 296,666 | 227,135 | 179,465 | 145,366 | 120,138 | 100,949 | 86,016 | 74,167 |
| 45Ш6 | 7655,335 | 4306,126 | 2755,921 | 1913,834 | 1406,082 | 1076,531 | 850,593 | 688,980 | 569,405 | 478,458 | 351,520 | 269,133 | 212,648 | 172,245 | 142,351 | 119,615 | 101,920 | 87,880 |
| 50Ш1 | 3317,067 | 1865,850 | 1194,144 | 829,267 | 609,257 | 466,462 | 368,563 | 298,536 | 246,724 | 207,317 | 152,314 | 116,616 | 92,141 | 74,634 | 61,681 | 51,829 | 44,162 | 38,079 |
| 50Ш2 | 3945,843 | 2219,537 | 1420,503 | 986,461 | 724,747 | 554,884 | 438,427 | 355,126 | 293,492 | 246,615 | 181,187 | 138,721 | 109,607 | 88,781 | 73,373 | 61,654 | 52,533 | 45,297 |
| 50Ш3 | 4363,407 | 2454,417 | 1570,827 | 1090,852 | 801,442 | 613,604 | 484,823 | 392,707 | 324,551 | 272,713 | 200,361 | 153,401 | 121,206 | 98,177 | 81,138 | 68,178 | 58,093 | 50,090 |
| 50Ш4 | 4892,030 | 2751,767 | 1761,131 | 1223,008 | 898,536 | 687,942 | 543,559 | 440,283 | 363,870 | 305,752 | 224,634 | 171,985 | 135,890 | 110,071 | 90,968 | 76,438 | 65,131 | 56,159 |
| 50Ш5 | 5776,750 | 3249,422 | 2079,630 | 1444,188 | 1061,036 | 812,356 | 641,861 | 519,908 | 429,676 | 361,047 | 265,259 | 203,089 | 160,465 | 129,977 | 107,419 | 90,262 | 76,909 | 66,315 |
| 50Ш6 | 6895,920 | 3878,955 | 2482,531 | 1723,980 | 1266,597 | 969,739 | 766,213 | 620,633 | 512,920 | 430,995 | 316,649 | 242,435 | 191,553 | 155,158 | 128,230 | 107,749 | 91,810 | 79,162 |
| 50Ш7 | 8332,386 | 4686,967 | 2999,659 | 2083,096 | 1530,438 | 1171,742 | 925,821 | 749,915 | 619,764 | 520,774 | 382,610 | 292,935 | 231,455 | 187,479 | 154,941 | 130,194 | 110,934 | 95,652 |
| 50Ш8 | 9666,500 | 5437,407 | 3479,940 | 2416,625 | 1775,480 | 1359,352 | 1074,056 | 869,985 | 718,996 | 604,156 | 443,870 | 339,838 | 268,514 | 217,496 | 179,749 | 151,039 | 128,696 | 110,967 |
| 60Ш1 | 4730,166 | 2660,718 | 1702,860 | 1182,541 | 868,806 | 665,180 | 525,574 | 425,715 | 351,830 | 295,635 | 217,201 | 166,295 | 131,393 | 106,429 | 87,958 | 73,909 | 62,976 | 54,300 |
| 60Ш2 | 5613,973 | 3157,860 | 2021,030 | 1403,493 | 1031,138 | 789,465 | 623,775 | 505,258 | 417,568 | 350,873 | 257,784 | 197,366 | 155,944 | 126,314 | 104,392 | 87,718 | 74,742 | 64,446 |
| 60Ш3 | 6558,940 | 3689,404 | 2361,219 | 1639,735 | 1204,703 | 922,351 | 728,771 | 590,305 | 487,855 | 409,934 | 301,176 | 230,588 | 182,193 | 147,576 | 121,964 | 102,483 | 87,323 | 75,294 |
| 60Ш4 | 7501,283 | 4219,472 | 2700,462 | 1875,321 | 1377,787 | 1054,868 | 833,476 | 675,116 | 557,947 | 468,830 | 344,447 | 263,717 | 208,369 | 168,779 | 139,487 | 117,208 | 99,869 | 86,112 |
| 60Ш5 | 8860,205 | 4983,865 | 3189,674 | 2215,051 | 1627,385 | 1245,966 | 984,467 | 797,418 | 659,023 | 553,763 | 406,846 | 311,492 | 246,117 | 199,355 | 164,756 | 138,441 | 117,961 | 101,712 |
| 60Ш6 | 10574,968 | 5948,419 | 3806,988 | 2643,742 | 1942,341 | 1487,105 | 1174,996 | 951,747 | 786,568 | 660,935 | 485,585 | 371,776 | 293,749 | 237,937 | 196,642 | 165,234 | 140,791 | 121,396 |
| 60Ш7 | 12336,907 | 6939,510 | 4441,287 | 3084,227 | 2265,963 | 1734,878 | 1370,767 | 1110,322 | 917,621 | 771,057 | 566,491 | 433,719 | 342,692 | 277,580 | 229,405 | 192,764 | 164,249 | 141,623 |
| 60Ш8 | 14795,041 | 8322,211 | 5326,215 | 3698,760 | 2717,457 | 2080,553 | 1643,893 | 1331,554 | 1100,458 | 924,690 | 679,364 | 520,138 | 410,973 | 332,888 | 275,114 | 231,173 | 196,975 | 169,841 |
| 70Ш1 | 6719,855 | 3779,918 | 2419,148 | 1679,964 | 1234,259 | 944,980 | 746,651 | 604,787 | 499,824 | 419,991 | 308,565 | 236,245 | 186,663 | 151,197 | 124,956 | 104,998 | 89,466 | 77,141 |
| 70Ш2 | 7459,280 | 4195,845 | 2685,341 | 1864,820 | 1370,072 | 1048,961 | 828,809 | 671,335 | 554,822 | 466,205 | 342,518 | 262,240 | 207,202 | 167,834 | 138,706 | 116,551 | 99,310 | 85,629 |
| 70Ш3 | 8857,203 | 4982,177 | 3188,593 | 2214,301 | 1626,833 | 1245,544 | 984,134 | 797,148 | 658,800 | 553,575 | 406,708 | 311,386 | 246,033 | 199,287 | 164,700 | 138,394 | 117,921 | 101,677 |
| 70Ш4 | 10077,299 | 5668,481 | 3627,828 | 2519,325 | 1850,932 | 1417,120 | 1119,700 | 906,957 | 749,551 | 629,831 | 462,733 | 354,280 | 279,925 | 226,739 | 187,388 | 157,458 | 134,165 | 115,683 |
| 70Ш5 | 11526,921 | 6483,893 | 4149,692 | 2881,730 | 2117,190 | 1620,973 | 1280,769 | 1037,423 | 857,374 | 720,433 | 529,297 | 405,243 | 320,192 | 259,356 | 214,344 | 180,108 | 153,465 | 132,324 |
| 70Ш6 | 13750,412 | 7734,607 | 4950,148 | 3437,603 | 2525,586 | 1933,652 | 1527,824 | 1237,537 | 1022,758 | 859,401 | 631,396 | 483,413 | 381,956 | 309,384 | 255,689 | 214,850 | 183,068 | 157,849 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

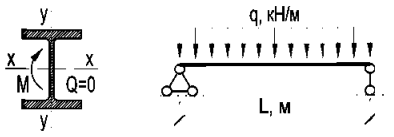
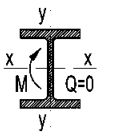


Таблица 6.4.3

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 70Ш7 | 16499,524 | 9280,982 | 5939,829 | 4124,881 | 3030,525 | 2320,246 | 1833,280 | 1484,957 | 1227,237 | 1031,220 | 757,631 | 580,061 | 458,320 | 371,239 | 306,809 | 257,805 | 219,668 | 189,408 |
| 70Ш8 | 19251,737 | 10829,102 | 6930,625 | 4812,934 | 3536,033 | 2707,275 | 2139,082 | 1732,656 | 1431,947 | 1203,234 | 884,008 | 676,819 | 534,770 | 433,164 | 357,987 | 300,808 | 256,310 | 221,002 |
| Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | | |
| 15К1 | 239,862 | 134,922 | 86,350 | 59,965 | 44,056 | 33,731 | 26,651 | 21,588 | 17,841 | 14,991 | 11,014 | 8,433 | 6,663 | 5,397 | 4,460 | 3,748 | 3,193 | 2,754 |
| 15К2 | 281,962 | 158,604 | 101,506 | 70,490 | 51,789 | 39,651 | 31,329 | 25,377 | 20,972 | 17,623 | 12,947 | 9,913 | 7,832 | 6,344 | 5,243 | 4,406 | 3,754 | 3,237 |
| 15К3 | 351,465 | 197,699 | 126,527 | 87,866 | 64,555 | 49,425 | 39,052 | 31,632 | 26,142 | 21,967 | 16,139 | 12,356 | 9,763 | 7,908 | 6,535 | 5,492 | 4,679 | 4,035 |
| 15К4 | 422,183 | 237,478 | 151,986 | 105,546 | 77,544 | 59,369 | 46,909 | 37,996 | 31,402 | 26,386 | 19,386 | 14,842 | 11,727 | 9,499 | 7,851 | 6,597 | 5,621 | 4,846 |
| 15К5 | 509,380 | 286,526 | 183,377 | 127,345 | 93,560 | 71,632 | 56,598 | 45,844 | 37,888 | 31,836 | 23,390 | 17,908 | 14,149 | 11,461 | 9,472 | 7,959 | 6,782 | 5,847 |
| 20К1 | 504,488 | 283,774 | 181,616 | 126,122 | 92,661 | 70,944 | 56,054 | 45,404 | 37,524 | 31,530 | 23,165 | 17,736 | 14,014 | 11,351 | 9,381 | 7,883 | 6,717 | 5,791 |
| 20К2 | 606,763 | 341,304 | 218,435 | 151,691 | 111,446 | 85,326 | 67,418 | 54,609 | 45,131 | 37,923 | 27,862 | 21,332 | 16,855 | 13,652 | 11,283 | 9,481 | 8,078 | 6,965 |
| 20К3 | 705,278 | 396,719 | 253,900 | 176,319 | 129,541 | 99,180 | 78,364 | 63,475 | 52,459 | 44,080 | 32,385 | 24,795 | 19,591 | 15,869 | 13,115 | 11,020 | 9,390 | 8,096 |
| 20К4 | 849,623 | 477,913 | 305,864 | 212,406 | 156,053 | 119,478 | 94,403 | 76,466 | 63,195 | 53,101 | 39,013 | 29,870 | 23,601 | 19,117 | 15,799 | 13,275 | 11,312 | 9,753 |
| 20К5 | 955,304 | 537,358 | 343,909 | 238,826 | 175,464 | 134,340 | 106,145 | 85,977 | 71,056 | 59,706 | 43,866 | 33,585 | 26,536 | 21,494 | 17,764 | 14,927 | 12,719 | 10,966 |
| 20К6 | 1074,605 | 604,465 | 386,858 | 268,651 | 197,376 | 151,116 | 119,401 | 96,714 | 79,929 | 67,163 | 49,344 | 37,779 | 29,850 | 24,179 | 19,982 | 16,791 | 14,307 | 12,336 |
| 20К7 | 1227,884 | 690,685 | 442,038 | 306,971 | 225,530 | 172,671 | 136,432 | 110,510 | 91,330 | 76,743 | 56,382 | 43,168 | 34,108 | 27,627 | 22,833 | 19,186 | 16,348 | 14,096 |
| 20К8 | 1421,935 | 799,838 | 511,897 | 355,484 | 261,172 | 199,960 | 157,993 | 127,974 | 105,764 | 88,871 | 65,293 | 49,990 | 39,498 | 31,994 | 26,441 | 22,218 | 18,931 | 16,323 |
| 25К1 | 959,900 | 539,944 | 345,564 | 239,975 | 176,308 | 134,986 | 106,656 | 86,391 | 71,398 | 59,994 | 44,077 | 33,746 | 26,664 | 21,598 | 17,849 | 14,998 | 12,780 | 11,019 |
| 25К2 | 1113,467 | 626,325 | 400,848 | 278,367 | 204,514 | 156,581 | 123,719 | 100,212 | 82,820 | 69,592 | 51,129 | 39,145 | 30,930 | 25,053 | 20,705 | 17,398 | 14,824 | 12,782 |
| 25К3 | 1234,476 | 694,393 | 444,411 | 308,619 | 226,741 | 173,598 | 137,164 | 111,103 | 91,821 | 77,155 | 56,685 | 43,400 | 34,291 | 27,776 | 22,955 | 19,289 | 16,435 | 14,171 |
| 25К4 | 1390,510 | 782,162 | 500,583 | 347,627 | 255,400 | 195,540 | 154,501 | 125,146 | 103,426 | 86,907 | 63,850 | 48,885 | 38,625 | 31,286 | 25,857 | 21,727 | 18,513 | 15,962 |
| 25К5 | 1589,967 | 894,356 | 572,388 | 397,492 | 292,035 | 223,589 | 176,663 | 143,097 | 118,262 | 99,373 | 73,009 | 55,897 | 44,166 | 35,774 | 29,565 | 24,843 | 21,168 | 18,252 |
| 25К6 | 1733,722 | 975,218 | 624,140 | 433,430 | 318,439 | 243,805 | 192,636 | 156,035 | 128,955 | 108,358 | 79,610 | 60,951 | 48,159 | 39,009 | 32,239 | 27,089 | 23,082 | 19,902 |
| 25К7 | 2033,494 | 1143,841 | 732,058 | 508,374 | 373,499 | 285,960 | 225,944 | 183,014 | 151,252 | 127,093 | 93,375 | 71,490 | 56,486 | 45,754 | 37,813 | 31,773 | 27,073 | 23,344 |
| 25К8 | 2313,161 | 1301,153 | 832,738 | 578,290 | 424,866 | 325,288 | 257,018 | 208,184 | 172,053 | 144,573 | 106,217 | 81,322 | 64,254 | 52,046 | 43,013 | 36,143 | 30,797 | 26,554 |
| 25К9 | 2596,900 | 1460,756 | 934,884 | 649,225 | 476,982 | 365,189 | 288,544 | 233,721 | 193,158 | 162,306 | 119,245 | 91,297 | 72,136 | 58,430 | 48,289 | 40,577 | 34,574 | 29,811 |
| 25К10 | 3007,359 | 1691,639 | 1082,649 | 751,840 | 552,372 | 422,910 | 334,151 | 270,662 | 223,688 | 187,960 | 138,093 | 105,727 | 83,538 | 67,666 | 55,922 | 46,990 | 40,039 | 34,523 |
| 30К1 | 1626,843 | 915,099 | 585,664 | 406,711 | 298,808 | 228,775 | 180,760 | 146,416 | 121,005 | 101,678 | 74,702 | 57,194 | 45,190 | 36,604 | 30,251 | 25,419 | 21,659 | 18,675 |
| 30К2 | 1752,582 | 985,827 | 630,929 | 438,145 | 321,903 | 246,457 | 194,731 | 157,732 | 130,357 | 109,536 | 80,476 | 61,614 | 48,683 | 39,433 | 32,589 | 27,384 | 23,333 | 20,119 |
| 30К3 | 1877,555 | 1056,125 | 675,920 | 469,389 | 344,857 | 264,031 | 208,617 | 168,980 | 139,653 | 117,347 | 86,214 | 66,008 | 52,154 | 42,245 | 34,913 | 29,337 | 24,997 | 21,554 |
| 30К4 | 1978,019 | 1112,636 | 712,087 | 494,505 | 363,310 | 278,159 | 219,780 | 178,022 | 147,125 | 123,626 | 90,827 | 69,540 | 54,945 | 44,505 | 36,781 | 30,907 | 26,335 | 22,707 |
| 30К5 | 2198,725 | 1236,783 | 791,541 | 549,681 | 403,847 | 309,196 | 244,303 | 197,885 | 163,542 | 137,420 | 100,962 | 77,299 | 61,076 | 49,471 | 40,885 | 34,355 | 29,273 | 25,240 |
| 30К6 | 2356,286 | 1325,411 | 848,263 | 589,072 | 432,787 | 331,353 | 261,810 | 212,066 | 175,261 | 147,268 | 108,197 | 82,838 | 65,452 | 53,016 | 43,815 | 36,817 | 31,371 | 27,049 |
| 30К7 | 2583,045 | 1452,963 | 929,896 | 645,761 | 474,437 | 363,241 | 287,005 | 232,474 | 192,127 | 161,440 | 118,609 | 90,810 | 71,751 | 58,119 | 48,032 | 40,360 | 34,390 | 29,652 |
| 30К8 | 2984,555 | 1678,812 | 1074,440 | 746,139 | 548,184 | 419,703 | 331,617 | 268,610 | 221,992 | 186,535 | 137,046 | 104,926 | 82,904 | 67,152 | 55,498 | 46,634 | 39,735 | 34,261 |
| 30К9 | 3369,061 | 1895,097 | 1212,862 | 842,265 | 618,807 | 473,774 | 374,340 | 303,216 | 250,591 | 210,566 | 154,702 | 118,444 | 93,585 | 75,804 | 62,648 | 52,642 | 44,854 | 38,675 |
| 30К10 | 3769,741 | 2120,479 | 1357,107 | 942,435 | 692,401 | 530,120 | 418,860 | 339,277 | 280,394 | 235,609 | 173,100 | 132,530 | 104,715 | 84,819 | 70,098 | 58,902 | 50,189 | 43,275 |
| 30К11 | 4174,098 | 2347,930 | 1502,675 | 1043,525 | 766,671 | 586,983 | 463,789 | 375,669 | 310,470 | 260,881 | 191,668 | 146,746 | 115,947 | 93,917 | 77,618 | 65,220 | 55,572 | 47,917 |
| 30К12 | 4640,260 | 2610,146 | 1670,494 | 1160,065 | 852,293 | 652,537 | 515,584 | 417,623 | 345,143 | 290,016 | 213,073 | 163,134 | 128,896 | 104,406 | 86,286 | 72,504 | 61,779 | 53,268 |
| 30К13 | 5229,211 | 2941,431 | 1882,516 | 1307,303 | 960,467 | 735,358 | 581,023 | 470,629 | 388,950 | 326,826 | 240,117 | 183,839 | 145,256 | 117,657 | 97,237 | 81,706 | 69,620 | 60,029 |
| 30К14 | 5609,780 | 3155,501 | 2019,521 | 1402,445 | 1030,368 | 788,875 | 623,309 | 504,880 | 417,256 | 350,611 | 257,592 | 197,219 | 155,827 | 126,220 | 104,314 | 87,653 | 74,686 | 64,398 |
| 30К15 | 6171,382 | 3471,402 | 2221,698 | 1542,846 | 1133,519 | 867,851 | 685,709 | 555,424 | 459,028 | 385,711 | 283,380 | 216,963 | 171,427 | 138,856 | 114,757 | 96,428 | 82,163 | 70,845 |
| 30К16 | 6861,692 | 3859,702 | 2470,209 | 1715,423 | 1260,311 | 964,926 | 762,410 | 617,552 | 510,374 | 428,856 | 315,078 | 241,231 | 190,603 | 154,388 | 127,593 | 107,214 | 91,354 | 78,769 |
| 30К17 | 7563,421 | 4254,424 | 2722,832 | 1890,855 | 1389,200 | 1063,606 | 840,380 | 680,708 | 562,569 | 472,714 | 347,300 | 265,902 | 210,095 | 170,177 | 140,642 | 118,178 | 100,696 | 86,825 |
| 30К18 | 8144,539 | 4581,303 | 2932,034 | 2036,135 | 1495,936 | 1145,326 | 904,949 | 733,008 | 605,792 | 509,034 | 373,984 | 286,331 | 226,237 | 183,252 | 151,448 | 127,258 | 108,433 | 93,496 |
| 30К19 | 9188,975 | 5168,798 | 3308,031 | 2297,244 | 1687,771 | 1292,200 | 1020,997 | 827,008 | 683,477 | 574,311 | 421,943 | 323,050 | 255,249 | 206,752 | 170,869 | 143,578 | 122,338 | 105,486 |
| 30К20 | 10232,466 | 5755,762 | 3683,688 | 2558,116 | 1879,432 | 1438,940 | 1136,941 | 920,922 | 761,092 | 639,529 | 469,858 | 359,735 | 284,235 | 230,230 | 190,273 | 159,882 | 136,231 | 117,465 |
| 30К21 | 11230,691 | 6317,264 | 4043,049 | 2807,673 | 2062,780 | 1579,316 | 1247,855 | 1010,762 | 835,341 | 701,918 | 515,695 | 394,829 | 311,964 | 252,691 | 208,835 | 175,480 | 149,521 | 128,924 |
| 35К1 | 2353,260 | 1323,709 | 847,174 | 588,315 | 432,231 | 330,927 | 261,473 | 211,793 | 175,036 | 147,079 | 108,058 | 82,732 | 65,368 | 52,948 | 43,759 | 36,770 | 31,330 | 27,014 |
| 35К1,5 | 2654,104 | 1492,933 | 955,477 | 663,526 | 487,488 | 373,233 | 294,900 | 238,869 | 197,413 | 165,881 | 121,872 | 93,308 | 73,725 | 59,717 | 49,353 | 41,470 | 35,336 | 30,468 |
| 35К2 | 2956,470 | 1663,014 | 1064,329 | 739,117 | 543,025 | 415,754 | 328,497 | 266,082 | 219,903 | 184,779 | 135,756 | 103,938 | 82,124 | 66,521 | 54,976 | 46,195 | 39,361 | 33,939 |
| 35К3 | 3245,853 | 1825,792 | 1168,507 | 811,463 | 596,177 | 456,448 | 360,650 | 292,127 | 241,427 | 202,866 | 149,044 | 114,112 | 90,163 | 73,032 | 60,357 | 50,716 | 43,214 | 37,261 |
| 35К4 | 3623,298 | 2038,105 | 1304,387 | 905,825 | 665,504 | 509,526 | 402,589 | 326,097 | 269,502 | 226,456 | 166,376 | 127,382 | 100,647 | 81,524 | 67,375 | 56,614 | 48,239 | 41,594 |
| 35К5 | 4003,236 | 2251,820 | 1441,165 | 1000,809 | 735,288 | 562,955 | 444,804 | 360,291 | 297,761 | 250,202 | 183,822 | 140,739 | 111,201 | 90,073 | 74,440 | 62,551 | 53,298 | 45,956 |
| 35К6 | 4383,434 | 2465,682 | 1578,036 | 1095,859 | 805,121 | 616,420 | 487,048 | 394,509 | 326,041 | 273,965 | 201,280 | 154,105 | 121,762 | 98,627 | 81,510 | 68,491 | 58,359 | 50,320 |
| 35К7 | 4923,282 | 2769,345 | 1772,381 | 1230,820 | 904,276 | 692,336 | 547,031 | 443,095 | 366,194 | 307,705 | 226,069 | 173,084 | 136,758 | 110,774 | 91,549 | 76,926 | 65,547 | 56,517 |
| 35К8 | 5400,228 | 3037,628 | 1944,082 | 1350,057 | 991,879 | 759,407 | 600,025 | 486,020 | 401,670 | 337,514 | 247,970 | 189,852 | 150,006 | 121,505 | 100,417 | 84,379 | 71,897 | 61,992 |
| 35К9 | 5949,421 | 3346,549 | 2141,791 | 1487,355 | 1092,751 | 836,637 | 661,047 | 535,448 | 442,519 | 371,839 | 273,188 | 209,159 | 165,262 | 133,862 | 110,630 | 92,960 | 79,208 | 68,297 |
| 35К10 | 6323,890 | 3557,188 | 2276,600 | 1580,973 | 1161,531 | 889,297 | 702,654 | 569,150 | 470,372 | 395,243 | 290,383 | 222,324 | 175,664 | 142,288 | 117,593 | 98,811 | 84,194 | 72,596 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



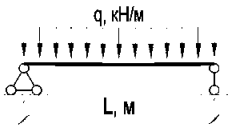
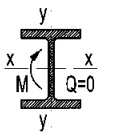



Таблица 6.4.3

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| **35К11** | 7098,962 | 3993,166 | 2555,626 | 1774,741 | 1303,891 | 998,292 | 788,774 | 638,907 | 528,022 | 443,685 | 325,973 | 249,573 | 197,193 | 159,727 | 132,006 | 110,921 | 94,513 | 81,493 |
| **35К12** | 7898,768 | 4443,057 | 2843,556 | 1974,692 | 1450,794 | 1110,764 | 877,641 | 710,889 | 587,512 | 493,673 | 362,699 | 277,691 | 219,410 | 177,722 | 146,878 | 123,418 | 105,161 | 90,675 |
| **35К13** | 8709,497 | 4899,092 | 3135,419 | 2177,374 | 1599,704 | 1224,773 | 967,722 | 783,855 | 647,814 | 544,344 | 399,926 | 306,193 | 241,930 | 195,964 | 161,953 | 136,086 | 115,955 | 99,981 |
| **35К14** | 9238,464 | 5196,636 | 3325,847 | 2309,616 | 1696,861 | 1299,159 | 1026,496 | 831,462 | 687,158 | 577,404 | 424,215 | 324,790 | 256,624 | 207,865 | 171,790 | 144,351 | 122,997 | 106,054 |
| **35К15** | 10216,107 | 5746,560 | 3677,798 | 2554,027 | 1876,428 | 1436,640 | 1135,123 | 919,450 | 759,876 | 638,507 | 469,107 | 359,160 | 283,781 | 229,862 | 189,969 | 159,627 | 136,013 | 117,277 |
| **35К16** | 11551,035 | 6497,457 | 4158,372 | 2887,759 | 2121,619 | 1624,364 | 1283,448 | 1039,593 | 859,168 | 721,940 | 530,405 | 406,091 | 320,862 | 259,898 | 214,792 | 180,485 | 153,786 | 132,601 |
| **35К17** | 12745,873 | 7169,553 | 4588,514 | 3186,468 | 2341,079 | 1792,388 | 1416,208 | 1147,129 | 948,040 | 796,617 | 585,270 | 448,097 | 354,052 | 286,782 | 237,010 | 199,154 | 169,694 | 146,317 |
| **35К18** | 13699,553 | 7705,999 | 4931,839 | 3424,888 | 2516,244 | 1926,500 | 1522,173 | 1232,960 | 1018,975 | 856,222 | 629,061 | 481,625 | 380,543 | 308,240 | 254,744 | 214,056 | 182,390 | 157,265 |
| **35К19** | 15245,280 | 8575,470 | 5488,301 | 3811,320 | 2800,153 | 2143,868 | 1693,920 | 1372,075 | 1133,946 | 952,830 | 700,038 | 535,967 | 423,480 | 343,019 | 283,487 | 238,208 | 202,970 | 175,010 |
| **35К20** | 16162,028 | 9091,141 | 5818,330 | 4040,507 | 2968,536 | 2272,785 | 1795,781 | 1454,583 | 1202,134 | 1010,127 | 742,134 | 568,196 | 448,945 | 363,646 | 300,534 | 252,532 | 215,175 | 185,533 |
| **35К21** | 17973,600 | 10110,150 | 6470,496 | 4493,400 | 3301,273 | 2527,537 | 1997,067 | 1617,624 | 1336,879 | 1123,350 | 825,318 | 631,884 | 499,267 | 404,406 | 334,220 | 280,837 | 239,293 | 206,330 |
| **35К22** | 20012,194 | 11256,859 | 7204,390 | 5003,048 | 3675,709 | 2814,215 | 2223,577 | 1801,097 | 1488,510 | 1250,762 | 918,927 | 703,554 | 555,894 | 450,274 | 372,128 | 312,691 | 266,435 | 229,732 |
| **35К23** | 22325,778 | 12556,250 | 8037,280 | 5581,444 | 4100,653 | 3139,562 | 2480,642 | 2009,320 | 1660,595 | 1395,361 | 1025,163 | 784,891 | 620,160 | 502,330 | 415,149 | 348,840 | 297,237 | 256,291 |
| **35К24** | 24892,272 | 14001,903 | 8961,218 | 6223,068 | 4572,050 | 3500,476 | 2765,808 | 2240,304 | 1851,491 | 1555,767 | 1143,012 | 875,119 | 691,452 | 560,076 | 462,873 | 388,942 | 331,406 | 285,753 |
| **40К1** | 3654,931 | 2055,899 | 1315,775 | 913,733 | 671,314 | 513,975 | 406,103 | 328,944 | 271,854 | 228,433 | 167,828 | 128,494 | 101,526 | 82,236 | 67,964 | 57,108 | 48,660 | 41,957 |
| **40К2** | 4149,766 | 2334,244 | 1493,916 | 1037,442 | 762,202 | 583,561 | 461,085 | 373,479 | 308,660 | 259,360 | 190,550 | 145,890 | 115,271 | 93,370 | 77,165 | 64,840 | 55,248 | 47,638 |
| **40К3** | 4805,057 | 2702,845 | 1729,821 | 1201,264 | 882,562 | 675,711 | 533,895 | 432,455 | 357,401 | 300,316 | 220,640 | 168,928 | 133,474 | 108,114 | 89,350 | 75,079 | 63,973 | 55,160 |
| **40К4** | 5590,326 | 3144,559 | 2012,517 | 1397,582 | 1026,795 | 786,140 | 621,147 | 503,129 | 415,809 | 349,395 | 256,699 | 196,535 | 155,287 | 125,782 | 103,952 | 87,349 | 74,427 | 64,175 |
| **40К4,5** | 6158,006 | 3463,879 | 2216,882 | 1539,502 | 1131,062 | 865,970 | 684,223 | 554,221 | 458,034 | 384,875 | 282,766 | 216,492 | 171,056 | 138,555 | 114,508 | 96,219 | 81,985 | 70,691 |
| **40К5** | 7002,138 | 3938,703 | 2520,770 | 1750,534 | 1286,107 | 984,676 | 778,015 | 630,192 | 520,820 | 437,634 | 321,527 | 246,169 | 194,504 | 157,548 | 130,205 | 109,408 | 93,224 | 80,382 |
| **40К6** | 7337,391 | 4127,283 | 2641,461 | 1834,348 | 1347,684 | 1031,821 | 815,266 | 660,365 | 545,756 | 458,587 | 336,921 | 257,955 | 203,816 | 165,091 | 136,439 | 114,647 | 97,687 | 84,230 |
| **40К7** | 8022,463 | 4512,635 | 2888,087 | 2005,616 | 1473,514 | 1128,159 | 891,385 | 722,022 | 596,712 | 501,404 | 368,378 | 282,040 | 222,846 | 180,505 | 149,178 | 125,351 | 106,808 | 92,095 |
| **40К8** | 8936,127 | 5026,572 | 3217,006 | 2234,032 | 1641,330 | 1256,643 | 992,903 | 804,251 | 664,671 | 558,508 | 410,332 | 314,161 | 248,226 | 201,063 | 166,168 | 139,627 | 118,972 | 102,583 |
| **40К9** | 10054,665 | 5655,749 | 3619,679 | 2513,666 | 1846,775 | 1413,937 | 1117,185 | 904,920 | 747,868 | 628,417 | 461,694 | 353,484 | 279,296 | 226,230 | 186,967 | 157,104 | 133,864 | 115,423 |
| **40К10** | 11002,075 | 6188,667 | 3960,747 | 2750,519 | 2020,789 | 1547,167 | 1222,453 | 990,187 | 818,336 | 687,630 | 505,197 | 386,792 | 305,613 | 247,547 | 204,584 | 171,907 | 146,477 | 126,299 |
| **40К11** | 12433,323 | 6993,744 | 4475,996 | 3108,331 | 2283,672 | 1748,436 | 1381,480 | 1118,999 | 924,793 | 777,083 | 570,918 | 437,109 | 345,370 | 279,750 | 231,198 | 194,271 | 165,532 | 142,729 |
| **40К12** | 13981,083 | 7864,359 | 5033,190 | 3495,271 | 2567,954 | 1966,090 | 1553,454 | 1258,298 | 1039,915 | 873,818 | 641,989 | 491,522 | 388,363 | 314,574 | 259,979 | 218,454 | 186,139 | 160,497 |
| **40К13** | 15233,185 | 8568,667 | 5483,947 | 3808,296 | 2797,932 | 2142,167 | 1692,576 | 1370,987 | 1133,047 | 952,074 | 699,483 | 535,542 | 423,144 | 342,747 | 283,262 | 238,019 | 202,809 | 174,871 |
| **40К14** | 17170,858 | 9658,607 | 6181,509 | 4292,714 | 3153,831 | 2414,652 | 1907,873 | 1545,377 | 1277,171 | 1073,179 | 788,458 | 603,663 | 476,968 | 386,344 | 319,293 | 268,295 | 228,606 | 197,114 |
| **40К15** | 18439,026 | 10371,952 | 6638,049 | 4609,756 | 3386,760 | 2592,988 | 2048,781 | 1659,512 | 1371,498 | 1152,439 | 846,690 | 648,247 | 512,195 | 414,878 | 342,874 | 288,110 | 245,490 | 211,672 |
| **40К16** | 20860,104 | 11733,809 | 7509,638 | 5215,026 | 3831,448 | 2933,452 | 2317,789 | 1877,409 | 1551,578 | 1303,757 | 957,862 | 733,363 | 579,447 | 469,352 | 387,895 | 325,939 | 277,723 | 239,465 |
| **40К17** | 23766,876 | 13368,868 | 8556,075 | 5941,719 | 4365,345 | 3342,217 | 2640,764 | 2139,019 | 1767,784 | 1485,430 | 1091,336 | 835,554 | 660,191 | 534,755 | 441,946 | 371,357 | 316,423 | 272,834 |
| **40К18** | 26968,060 | 15169,534 | 9708,502 | 6742,015 | 4953,317 | 3792,383 | 2996,451 | 2427,125 | 2005,889 | 1685,504 | 1238,329 | 948,096 | 749,113 | 606,781 | 501,472 | 421,376 | 359,042 | 309,582 |
| **40К19** | 30604,566 | 17215,068 | 11017,644 | 7651,141 | 5621,247 | 4303,767 | 3400,507 | 2754,411 | 2276,373 | 1912,785 | 1405,312 | 1075,942 | 850,127 | 688,603 | 569,093 | 478,196 | 407,457 | 351,328 |
| | **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | |
| **13С1** | 181,559 | 102,127 | 65,361 | 45,390 | 33,348 | 25,532 | 20,173 | 16,340 | 13,504 | 11,347 | 8,337 | 6,383 | 5,043 | 4,085 | 3,376 | 2,837 | 2,417 | 2,084 |
| **20С1** | 650,987 | 366,180 | 234,355 | 162,747 | 119,569 | 91,545 | 72,332 | 58,589 | 48,421 | 40,687 | 29,892 | 22,886 | 18,083 | 14,647 | 12,105 | 10,172 | 8,667 | 7,473 |
| **25С1** | 941,836 | 529,783 | 339,061 | 235,459 | 172,990 | 132,446 | 104,648 | 84,765 | 70,054 | 58,865 | 43,248 | 33,111 | 26,162 | 21,191 | 17,513 | 14,716 | 12,539 | 10,812 |
| **25С2** | 1200,799 | 675,449 | 432,288 | 300,200 | 220,555 | 168,862 | 133,422 | 108,072 | 89,316 | 75,050 | 55,139 | 42,216 | 33,356 | 27,018 | 22,329 | 18,762 | 15,987 | 13,785 |
| **30С1** | 1500,866 | 844,237 | 540,312 | 375,216 | 275,669 | 211,059 | 166,763 | 135,078 | 111,635 | 93,804 | 68,917 | 52,765 | 41,691 | 33,769 | 27,909 | 23,451 | 19,982 | 17,229 |
| **30С2** | 1877,555 | 1056,125 | 675,920 | 469,389 | 344,857 | 264,031 | 208,617 | 168,980 | 139,653 | 117,347 | 86,214 | 66,008 | 52,154 | 42,245 | 34,913 | 29,337 | 24,997 | 21,554 |
| **32С1** | 3182,996 | 1790,435 | 1145,879 | 795,749 | 584,632 | 447,609 | 353,666 | 286,470 | 236,752 | 198,937 | 146,158 | 111,902 | 88,417 | 71,617 | 59,188 | 49,734 | 42,377 | 36,539 |
| **32С2** | 3955,392 | 2224,908 | 1423,941 | 988,848 | 726,501 | 556,227 | 439,488 | 355,985 | 294,203 | 247,212 | 181,625 | 139,057 | 109,872 | 88,996 | 73,551 | 61,803 | 52,661 | 45,406 |
| **35С1** | 2181,764 | 1227,242 | 785,435 | 545,441 | 400,732 | 306,811 | 242,418 | 196,359 | 162,280 | 136,360 | 100,183 | 76,703 | 60,605 | 49,090 | 40,570 | 34,090 | 29,047 | 25,046 |
| **35С2** | 2686,030 | 1510,892 | 966,971 | 671,507 | 493,352 | 377,723 | 298,448 | 241,743 | 199,787 | 167,877 | 123,338 | 94,431 | 74,612 | 60,436 | 49,947 | 41,969 | 35,761 | 30,835 |
| **35С3** | 3196,951 | 1798,285 | 1150,902 | 799,238 | 587,195 | 449,571 | 355,217 | 287,726 | 237,790 | 199,809 | 146,799 | 112,393 | 88,804 | 71,931 | 59,447 | 49,952 | 42,563 | 36,700 |
| **40С1** | 3301,549 | 1857,121 | 1188,558 | 825,387 | 606,407 | 464,280 | 366,839 | 297,139 | 245,570 | 206,347 | 151,602 | 116,070 | 91,710 | 74,285 | 61,392 | 51,587 | 43,956 | 37,900 |
| **40С2** | 3963,906 | 2229,697 | 1427,006 | 990,977 | 728,064 | 557,424 | 440,434 | 356,752 | 294,836 | 247,744 | 182,016 | 139,356 | 110,109 | 89,188 | 73,709 | 61,936 | 52,774 | 45,504 |
| **40С3** | 4499,736 | 2531,102 | 1619,905 | 1124,934 | 826,482 | 632,775 | 499,971 | 404,976 | 334,691 | 281,234 | 206,621 | 158,194 | 124,993 | 101,244 | 83,673 | 70,308 | 59,908 | 51,655 |
| | **Тип ДБ - Дополнительные балочные двутавры** | | | | | | | | | | | | | | | | | |
| **20ДБ1** | 327,098 | 183,993 | 117,755 | 81,774 | 60,079 | 45,998 | 36,344 | 29,439 | 24,330 | 20,444 | 15,020 | 11,500 | 9,086 | 7,360 | 6,082 | 5,111 | 4,355 | 3,755 |
| **20ДБ2** | 390,795 | 219,822 | 140,686 | 97,699 | 71,779 | 54,956 | 43,422 | 35,172 | 29,067 | 24,425 | 17,945 | 13,739 | 10,855 | 8,793 | 7,267 | 6,106 | 5,203 | 4,486 |
| **25ДБ1** | 465,350 | 261,759 | 167,526 | 116,337 | 85,472 | 65,440 | 51,706 | 41,881 | 34,613 | 29,084 | 21,368 | 16,360 | 12,926 | 10,470 | 8,653 | 7,271 | 6,195 | 5,342 |
| **25ДБ2** | 566,551 | 318,685 | 203,958 | 141,638 | 104,060 | 79,671 | 62,950 | 50,990 | 42,140 | 35,409 | 26,015 | 19,918 | 15,738 | 12,747 | 10,535 | 8,852 | 7,543 | 6,504 |
| **25ДБ3** | 659,696 | 371,079 | 237,490 | 164,924 | 121,169 | 92,770 | 73,300 | 59,373 | 49,068 | 41,231 | 30,292 | 23,192 | 18,325 | 14,843 | 12,267 | 10,308 | 8,783 | 7,573 |
| **25ДБ4** | 501,582 | 282,140 | 180,570 | 125,396 | 92,127 | 70,535 | 55,731 | 45,142 | 37,308 | 31,349 | 23,032 | 17,634 | 13,933 | 11,286 | 9,327 | 7,837 | 6,678 | 5,758 |
| **25ДБ5** | 601,234 | 338,194 | 216,444 | 150,308 | 110,431 | 84,548 | 66,804 | 54,111 | 44,720 | 37,577 | 27,608 | 21,137 | 16,701 | 13,528 | 11,180 | 9,394 | 8,005 | 6,902 |
| **25ДБ6** | 700,340 | 393,941 | 252,122 | 175,085 | 128,634 | 98,485 | 77,816 | 63,031 | 52,091 | 43,771 | 32,158 | 24,621 | 19,454 | 15,758 | 13,023 | 10,943 | 9,324 | 8,040 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



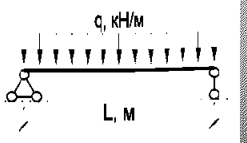
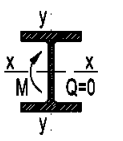



Таблица 6.4.3

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30ДБ1 | 481,659 | 270,933 | 173,397 | 120,415 | 88,468 | 67,733 | 53,518 | 43,349 | 35,826 | 30,104 | 22,117 | 16,933 | 13,379 | 10,837 | 8,956 | 7,526 | 6,413 | 5,529 |
| 30ДБ2 | 566,586 | 318,705 | 203,971 | 141,646 | 104,067 | 79,676 | 62,954 | 50,993 | 42,143 | 35,412 | 26,017 | 19,919 | 15,738 | 12,748 | 10,536 | 8,853 | 7,543 | 6,504 |
| 30ДБ3 | 727,009 | 408,943 | 261,723 | 181,752 | 133,532 | 102,236 | 80,779 | 65,431 | 54,075 | 45,438 | 33,383 | 25,559 | 20,195 | 16,358 | 13,519 | 11,360 | 9,679 | 8,346 |
| 30ДБ4 | 837,819 | 471,273 | 301,615 | 209,455 | 153,885 | 117,818 | 93,091 | 75,404 | 62,317 | 52,364 | 38,471 | 29,455 | 23,273 | 18,851 | 15,579 | 13,091 | 11,154 | 9,618 |
| 30ДБ5 | 983,392 | 553,158 | 354,021 | 245,848 | 180,623 | 138,289 | 109,266 | 88,505 | 73,145 | 61,462 | 45,156 | 34,572 | 27,316 | 22,126 | 18,286 | 15,365 | 13,092 | 11,289 |
| 30ДБ6 | 736,186 | 414,105 | 265,027 | 184,046 | 135,218 | 103,526 | 81,798 | 66,257 | 54,758 | 46,012 | 33,804 | 25,882 | 20,450 | 16,564 | 13,689 | 11,503 | 9,801 | 8,451 |
| 30ДБ7 | 846,752 | 476,298 | 304,831 | 211,688 | 155,526 | 119,074 | 94,084 | 76,208 | 62,982 | 52,922 | 38,881 | 29,769 | 23,521 | 19,052 | 15,745 | 13,230 | 11,273 | 9,720 |
| 30ДБ8 | 988,437 | 555,996 | 355,837 | 247,109 | 181,550 | 138,999 | 109,826 | 88,959 | 73,520 | 61,777 | 45,387 | 34,750 | 27,457 | 22,240 | 18,380 | 15,444 | 13,160 | 11,347 |
| 35ДБ1 | 647,416 | 364,171 | 233,070 | 161,854 | 118,913 | 91,043 | 71,935 | 58,267 | 48,155 | 40,463 | 29,728 | 22,761 | 17,984 | 14,567 | 12,039 | 10,116 | 8,619 | 7,432 |
| 35ДБ2 | 787,479 | 442,957 | 283,492 | 196,870 | 144,639 | 110,739 | 87,498 | 70,873 | 58,573 | 49,217 | 36,160 | 27,685 | 21,874 | 17,718 | 14,643 | 12,304 | 10,484 | 9,040 |
| 35ДБ3 | 930,195 | 523,234 | 334,870 | 232,549 | 170,852 | 130,809 | 103,355 | 83,718 | 69,188 | 58,137 | 42,713 | 32,702 | 25,839 | 20,929 | 17,297 | 14,534 | 12,384 | 10,678 |
| 35ДБ4 | 1061,478 | 597,081 | 382,132 | 265,369 | 194,965 | 149,270 | 117,942 | 95,533 | 78,953 | 66,342 | 48,741 | 37,318 | 29,485 | 23,883 | 19,738 | 16,586 | 14,132 | 12,185 |
| 35ДБ5 | 1192,525 | 670,795 | 429,309 | 298,131 | 219,035 | 167,699 | 132,503 | 107,327 | 88,700 | 74,533 | 54,759 | 41,925 | 33,126 | 26,832 | 22,175 | 18,633 | 15,877 | 13,690 |
| 35ДБ6 | 1418,976 | 798,174 | 510,831 | 354,744 | 260,628 | 199,544 | 157,664 | 127,708 | 105,544 | 88,686 | 65,157 | 49,886 | 39,416 | 31,927 | 26,386 | 22,172 | 18,892 | 16,289 |
| 35ДБ7 | 1969,062 | 1107,597 | 708,862 | 492,265 | 361,664 | 276,899 | 218,785 | 177,216 | 146,459 | 123,066 | 90,416 | 69,225 | 54,696 | 44,304 | 36,615 | 30,767 | 26,215 | 22,604 |
| 35ДБ8 | 2197,352 | 1236,011 | 791,047 | 549,338 | 403,595 | 309,003 | 244,150 | 197,762 | 163,439 | 137,335 | 100,899 | 77,251 | 61,038 | 49,440 | 40,860 | 34,334 | 29,255 | 25,225 |
| 35ДБ9 | 2390,739 | 1344,791 | 860,666 | 597,685 | 439,115 | 336,198 | 265,638 | 215,167 | 177,824 | 149,421 | 109,779 | 84,049 | 66,409 | 53,792 | 44,456 | 37,355 | 31,829 | 27,445 |
| 35ДБ10 | 2545,344 | 1431,756 | 916,324 | 636,336 | 467,512 | 357,939 | 282,816 | 229,081 | 189,323 | 159,084 | 116,878 | 89,485 | 70,704 | 57,270 | 47,331 | 39,771 | 33,888 | 29,220 |
| 40ДБ1 | 871,214 | 490,058 | 313,637 | 217,803 | 160,019 | 122,514 | 96,802 | 78,409 | 64,801 | 54,451 | 40,005 | 30,629 | 24,200 | 19,602 | 16,200 | 13,613 | 11,599 | 10,001 |
| 40ДБ2 | 1053,194 | 592,422 | 379,150 | 263,299 | 193,444 | 148,105 | 117,022 | 94,787 | 78,337 | 65,825 | 48,361 | 37,026 | 29,255 | 23,697 | 19,584 | 16,456 | 14,022 | 12,090 |
| 40ДБ3 | 1249,368 | 702,769 | 449,772 | 312,342 | 229,476 | 175,692 | 138,819 | 112,443 | 92,928 | 78,085 | 57,369 | 43,923 | 34,705 | 28,111 | 23,232 | 19,521 | 16,634 | 14,342 |
| 40ДБ4 | 1421,507 | 799,598 | 511,743 | 355,377 | 261,093 | 199,899 | 157,945 | 127,936 | 105,732 | 88,844 | 65,273 | 49,975 | 39,486 | 31,984 | 26,433 | 22,211 | 18,925 | 16,318 |
| 40ДБ5 | 1606,452 | 903,629 | 578,323 | 401,613 | 295,063 | 225,907 | 178,495 | 144,581 | 119,488 | 100,403 | 73,766 | 56,477 | 44,624 | 36,145 | 29,872 | 25,101 | 21,388 | 18,441 |
| 40ДБ6 | 1783,688 | 1003,324 | 642,128 | 445,922 | 327,616 | 250,831 | 198,188 | 160,532 | 132,671 | 111,480 | 81,904 | 62,708 | 49,547 | 40,133 | 33,168 | 27,870 | 23,747 | 20,476 |
| 40ДБ7 | 2023,549 | 1138,246 | 728,478 | 505,887 | 371,672 | 284,562 | 224,839 | 182,119 | 150,512 | 126,472 | 92,918 | 71,140 | 56,210 | 45,530 | 37,628 | 31,618 | 26,941 | 23,230 |
| 45ДБ1 | 1295,070 | 728,477 | 466,225 | 323,768 | 237,870 | 182,119 | 143,897 | 116,556 | 96,328 | 80,942 | 59,468 | 45,530 | 35,974 | 29,139 | 24,082 | 20,235 | 17,242 | 14,867 |
| 45ДБ2 | 1527,077 | 858,981 | 549,748 | 381,769 | 280,483 | 214,745 | 169,675 | 137,437 | 113,584 | 95,442 | 70,121 | 53,686 | 42,419 | 34,359 | 28,396 | 23,861 | 20,331 | 17,530 |
| 45ДБ3 | 1760,677 | 990,381 | 633,844 | 440,169 | 323,390 | 247,595 | 195,631 | 158,461 | 130,959 | 110,042 | 80,847 | 61,899 | 48,908 | 39,615 | 32,740 | 27,511 | 23,441 | 20,212 |
| 45ДБ4 | 1919,247 | 1079,576 | 690,929 | 479,812 | 352,515 | 269,894 | 213,250 | 172,732 | 142,754 | 119,953 | 88,129 | 67,474 | 53,312 | 43,183 | 35,688 | 29,988 | 25,552 | 22,032 |
| 45ДБ5 | 2128,894 | 1197,503 | 766,402 | 532,223 | 391,021 | 299,376 | 236,544 | 191,600 | 158,347 | 133,056 | 97,755 | 74,844 | 59,136 | 47,900 | 39,587 | 33,264 | 28,343 | 24,439 |
| 45ДБ6 | 1754,531 | 986,924 | 631,631 | 438,633 | 322,261 | 246,731 | 194,948 | 157,908 | 130,502 | 109,658 | 80,565 | 61,683 | 48,737 | 39,477 | 32,626 | 27,415 | 23,359 | 20,141 |
| 45ДБ7 | 1961,508 | 1103,348 | 706,143 | 490,377 | 360,277 | 275,837 | 217,945 | 176,536 | 145,897 | 122,594 | 90,069 | 68,959 | 54,486 | 44,134 | 36,474 | 30,649 | 26,115 | 22,517 |
| 45ДБ8 | 2166,752 | 1218,798 | 780,031 | 541,688 | 397,975 | 304,700 | 240,750 | 195,008 | 161,163 | 135,422 | 99,494 | 76,175 | 60,188 | 48,752 | 40,291 | 33,856 | 28,847 | 24,873 |
| 45ДБ9 | 2374,620 | 1335,724 | 854,863 | 593,655 | 436,155 | 333,931 | 263,847 | 213,716 | 176,625 | 148,414 | 109,039 | 83,483 | 65,962 | 53,429 | 44,156 | 37,103 | 31,615 | 27,260 |
| 45ДБ10 | 2565,281 | 1442,971 | 923,501 | 641,320 | 471,174 | 360,743 | 285,031 | 230,875 | 190,806 | 160,330 | 117,794 | 90,186 | 71,258 | 57,719 | 47,702 | 40,083 | 34,153 | 29,448 |
| 45ДБ11 | 2717,744 | 1528,731 | 978,388 | 679,436 | 499,178 | 382,183 | 301,972 | 244,597 | 202,146 | 169,859 | 124,794 | 95,546 | 75,493 | 61,149 | 50,537 | 42,465 | 36,183 | 31,199 |
| 53ДБ3 | 2813,310 | 1582,487 | 1012,792 | 703,328 | 516,730 | 395,622 | 312,590 | 253,198 | 209,254 | 175,832 | 129,183 | 98,905 | 78,148 | 63,299 | 52,314 | 43,958 | 37,455 | 32,296 |
| 53ДБ4 | 3110,072 | 1749,416 | 1119,626 | 777,518 | 571,238 | 437,354 | 345,564 | 279,906 | 231,328 | 194,380 | 142,809 | 109,338 | 86,391 | 69,977 | 57,832 | 48,595 | 41,406 | 35,702 |
| 53ДБ5 | 3346,653 | 1882,492 | 1204,795 | 836,663 | 614,691 | 470,623 | 371,850 | 301,199 | 248,925 | 209,166 | 153,673 | 117,656 | 92,963 | 75,300 | 62,231 | 52,291 | 44,556 | 38,418 |
| 53ДБ6 | 3670,318 | 2064,554 | 1321,314 | 917,579 | 674,140 | 516,138 | 407,813 | 330,329 | 272,999 | 229,395 | 168,535 | 129,035 | 101,953 | 82,582 | 68,250 | 57,349 | 48,865 | 42,134 |
| 53ДБ7 | 4114,716 | 2314,528 | 1481,298 | 1028,679 | 755,764 | 578,632 | 457,191 | 370,324 | 306,053 | 257,170 | 188,941 | 144,658 | 114,298 | 92,581 | 76,513 | 64,292 | 54,782 | 47,235 |
| 60ДБ1 | 2633,793 | 1481,509 | 948,166 | 658,448 | 483,758 | 370,377 | 292,644 | 237,041 | 195,902 | 164,612 | 120,939 | 92,594 | 73,161 | 59,260 | 48,975 | 41,153 | 35,065 | 30,235 |
| 60ДБ2 | 2996,775 | 1685,686 | 1078,839 | 749,194 | 550,428 | 421,421 | 332,975 | 269,710 | 222,901 | 187,298 | 137,607 | 105,355 | 83,244 | 67,427 | 55,725 | 46,825 | 39,898 | 34,402 |
| 60ДБ3 | 3459,432 | 1945,931 | 1245,396 | 864,858 | 635,406 | 486,483 | 384,381 | 311,349 | 257,313 | 216,215 | 158,851 | 121,621 | 96,095 | 77,837 | 64,328 | 54,054 | 46,058 | 39,713 |
| 60ДБ4 | 3916,258 | 2202,895 | 1409,853 | 979,064 | 719,313 | 550,724 | 435,140 | 352,463 | 291,292 | 244,766 | 179,828 | 137,681 | 108,785 | 88,116 | 72,823 | 61,192 | 52,140 | 44,957 |
| 60ДБ5 | 4361,525 | 2453,358 | 1570,149 | 1090,381 | 801,096 | 613,339 | 484,614 | 392,537 | 324,411 | 272,595 | 200,274 | 153,335 | 121,153 | 98,134 | 81,103 | 68,149 | 58,068 | 50,069 |
| 60ДБ6 | 4763,925 | 2679,708 | 1715,013 | 1190,981 | 875,007 | 669,927 | 529,325 | 428,753 | 354,342 | 297,745 | 218,752 | 167,482 | 132,331 | 107,188 | 88,585 | 74,436 | 63,425 | 54,688 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 93,129 | 52,385 | 33,526 | 23,282 | 17,105 | 13,096 | 10,348 | 8,382 | 6,927 | 5,821 | 4,276 | 3,274 | 2,587 | 2,095 | 1,732 | 1,455 | 1,240 | 1,069 |
| 10ДК2 | 114,540 | 64,429 | 41,234 | 28,635 | 21,038 | 16,107 | 12,727 | 10,309 | 8,520 | 7,159 | 5,259 | 4,027 | 3,182 | 2,577 | 2,130 | 1,790 | 1,525 | 1,315 |
| 10ДК3 | 240,933 | 135,525 | 86,736 | 60,233 | 44,253 | 33,881 | 26,770 | 21,684 | 17,921 | 15,058 | 11,063 | 8,470 | 6,693 | 5,421 | 4,480 | 3,765 | 3,208 | 2,766 |
| 12ДК1 | 135,387 | 76,155 | 48,739 | 33,847 | 24,867 | 19,039 | 15,043 | 12,185 | 10,070 | 8,462 | 6,217 | 4,760 | 3,761 | 3,046 | 2,518 | 2,115 | 1,802 | 1,554 |
| 12ДК2 | 183,323 | 103,119 | 65,996 | 45,831 | 33,672 | 25,780 | 20,369 | 16,499 | 13,636 | 11,458 | 8,418 | 6,445 | 5,092 | 4,125 | 3,409 | 2,864 | 2,441 | 2,104 |
| 12ДК3 | 355,115 | 199,752 | 127,841 | 88,779 | 65,225 | 49,938 | 39,457 | 31,960 | 26,414 | 22,195 | 16,306 | 12,485 | 9,864 | 7,990 | 6,603 | 5,549 | 4,728 | 4,077 |
| 14ДК1 | 198,508 | 111,660 | 71,463 | 49,627 | 36,461 | 27,915 | 22,056 | 17,866 | 14,765 | 12,407 | 9,115 | 6,979 | 5,514 | 4,466 | 3,691 | 3,102 | 2,643 | 2,279 |
| 14ДК2 | 275,010 | 154,693 | 99,004 | 68,753 | 50,512 | 38,673 | 30,557 | 24,751 | 20,455 | 17,188 | 12,628 | 9,668 | 7,639 | 6,188 | 5,114 | 4,297 | 3,661 | 3,157 |
| 14ДК3 | 507,434 | 285,432 | 182,676 | 126,858 | 93,202 | 71,358 | 56,382 | 45,669 | 37,743 | 31,715 | 23,301 | 17,839 | 14,095 | 11,417 | 9,436 | 7,929 | 6,756 | 5,825 |
| 15ДК1 | 208,035 | 117,019 | 74,892 | 52,009 | 38,210 | 29,255 | 23,115 | 18,723 | 15,474 | 13,002 | 9,553 | 7,314 | 5,779 | 4,681 | 3,868 | 3,251 | 2,770 | 2,388 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



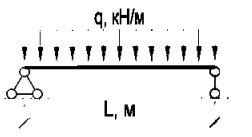



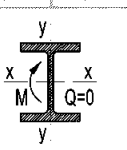
Таблица 6.4.3

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 15ДК2 | 283,467 | 159,450 | 102,048 | 70,867 | 52,065 | 39,863 | 31,496 | 25,512 | 21,084 | 17,717 | 13,016 | 9,966 | 7,874 | 6,378 | 5,271 | 4,429 | 3,774 | 3,254 |
| 15ДК3 | 354,987 | 199,680 | 127,795 | 88,747 | 65,202 | 49,920 | 39,443 | 31,949 | 26,404 | 22,187 | 16,300 | 12,480 | 9,861 | 7,987 | 6,601 | 5,547 | 4,726 | 4,075 |
| 16ДК1 | 282,353 | 158,824 | 101,647 | 70,588 | 51,861 | 39,706 | 31,373 | 25,412 | 21,001 | 17,647 | 12,965 | 9,926 | 7,843 | 6,353 | 5,250 | 4,412 | 3,759 | 3,241 |
| 16ДК2 | 397,436 | 223,558 | 143,077 | 99,359 | 72,999 | 55,889 | 44,160 | 35,769 | 29,561 | 24,840 | 18,250 | 13,972 | 11,040 | 8,942 | 7,390 | 6,210 | 5,291 | 4,562 |
| 16ДК3 | 700,424 | 393,989 | 252,153 | 175,106 | 128,649 | 98,497 | 77,825 | 63,038 | 52,098 | 43,777 | 32,162 | 24,624 | 19,456 | 15,760 | 13,024 | 10,944 | 9,325 | 8,041 |
| 18ДК1 | 376,418 | 211,735 | 135,510 | 94,105 | 69,138 | 52,934 | 41,824 | 33,878 | 27,998 | 23,526 | 17,285 | 13,233 | 10,456 | 8,469 | 7,000 | 5,882 | 5,011 | 4,321 |
| 18ДК2 | 542,226 | 305,002 | 195,201 | 135,557 | 99,593 | 76,251 | 60,247 | 48,800 | 40,331 | 33,889 | 24,898 | 19,063 | 15,062 | 12,200 | 10,083 | 8,472 | 7,219 | 6,225 |
| 18ДК3 | 925,910 | 520,824 | 333,328 | 231,478 | 170,065 | 130,206 | 102,879 | 83,332 | 68,869 | 57,869 | 42,516 | 32,552 | 25,720 | 20,833 | 17,217 | 14,467 | 12,327 | 10,629 |
| 20ДК1 | 576,124 | 324,070 | 207,405 | 144,031 | 105,819 | 81,017 | 64,014 | 51,851 | 42,852 | 36,008 | 26,455 | 20,254 | 16,003 | 12,963 | 10,713 | 9,002 | 7,670 | 6,614 |
| 20ДК2 | 656,823 | 369,463 | 236,456 | 164,206 | 120,641 | 92,366 | 72,980 | 59,114 | 48,855 | 41,051 | 30,160 | 23,091 | 18,245 | 14,779 | 12,214 | 10,263 | 8,745 | 7,540 |
| 20ДК3 | 747,970 | 420,733 | 269,269 | 186,993 | 137,382 | 105,183 | 83,108 | 67,317 | 55,634 | 46,748 | 34,346 | 26,296 | 20,777 | 16,829 | 13,909 | 11,687 | 9,958 | 8,586 |
| 20ДК4 | 906,716 | 510,028 | 326,418 | 226,679 | 166,540 | 127,507 | 100,746 | 81,604 | 67,442 | 56,670 | 41,635 | 31,877 | 25,187 | 20,401 | 16,860 | 14,167 | 12,072 | 10,409 |
| 20ДК5 | 1062,160 | 597,465 | 382,377 | 265,540 | 195,091 | 149,366 | 118,018 | 95,594 | 79,004 | 66,385 | 48,773 | 37,342 | 29,504 | 23,899 | 19,751 | 16,596 | 14,141 | 12,193 |
| 20ДК6 | 1229,510 | 691,600 | 442,624 | 307,378 | 225,828 | 172,900 | 136,612 | 110,656 | 91,451 | 76,844 | 56,457 | 43,225 | 34,153 | 27,664 | 22,863 | 19,211 | 16,369 | 14,114 |
| 25ДК1 | 1141,286 | 641,973 | 410,863 | 285,321 | 209,624 | 160,493 | 126,810 | 102,716 | 84,889 | 71,330 | 52,406 | 40,123 | 31,702 | 25,679 | 21,222 | 17,833 | 15,195 | 13,101 |
| 25ДК2 | 1256,759 | 706,927 | 452,433 | 314,190 | 230,833 | 176,732 | 139,640 | 113,108 | 93,478 | 78,547 | 57,708 | 44,183 | 34,910 | 28,277 | 23,369 | 19,637 | 16,732 | 14,427 |
| 25ДК3 | 1405,446 | 790,564 | 505,961 | 351,362 | 258,143 | 197,641 | 156,161 | 126,490 | 104,537 | 87,840 | 64,536 | 49,410 | 39,040 | 31,623 | 26,134 | 21,960 | 18,712 | 16,134 |
| 25ДК4 | 1587,377 | 892,900 | 571,456 | 396,844 | 291,559 | 223,225 | 176,375 | 142,864 | 118,069 | 99,211 | 72,890 | 55,806 | 44,094 | 35,716 | 29,517 | 24,803 | 21,134 | 18,222 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 50,08 | 28,17 | 18,03 | 12,52 | 9,20 | 7,04 | 5,56 | 4,51 | 3,72 | 3,13 | 2,30 | 1,76 | 1,39 | 1,13 | 0,93 | 0,78 | 0,67 | 0,57 |
| 12Б1 | 64,51 | 36,28 | 23,22 | 16,13 | 11,85 | 9,07 | 7,17 | 5,81 | 4,80 | 4,03 | 2,96 | 2,27 | 1,79 | 1,45 | 1,20 | 1,01 | 0,86 | 0,74 |
| 12Б2 | 77,67 | 43,69 | 27,96 | 19,42 | 14,27 | 10,92 | 8,63 | 6,99 | 5,78 | 4,85 | 3,57 | 2,73 | 2,16 | 1,75 | 1,44 | 1,21 | 1,03 | 0,89 |
| 14Б1 | 92,77 | 52,19 | 33,40 | 23,19 | 17,04 | 13,05 | 10,31 | 8,35 | 6,90 | 5,80 | 4,26 | 3,26 | 2,58 | 2,09 | 1,73 | 1,45 | 1,24 | 1,07 |
| 14Б2 | 113,33 | 63,75 | 40,80 | 28,33 | 20,82 | 15,94 | 12,59 | 10,20 | 8,43 | 7,08 | 5,20 | 3,98 | 3,15 | 2,55 | 2,11 | 1,77 | 1,51 | 1,30 |
| 16Б1 | 128,91 | 72,51 | 46,41 | 32,23 | 23,68 | 18,13 | 14,32 | 11,60 | 9,59 | 8,06 | 5,92 | 4,53 | 3,58 | 2,90 | 2,40 | 2,01 | 1,72 | 1,48 |
| 16Б2 | 159,56 | 89,75 | 57,44 | 39,89 | 29,31 | 22,44 | 17,73 | 14,36 | 11,87 | 9,97 | 7,33 | 5,61 | 4,43 | 3,59 | 2,97 | 2,49 | 2,12 | 1,83 |
| 18Б1 | 176,24 | 99,14 | 63,45 | 44,06 | 32,37 | 24,78 | 19,58 | 15,86 | 13,11 | 11,02 | 8,09 | 6,20 | 4,90 | 3,97 | 3,28 | 2,75 | 2,35 | 2,02 |
| 18Б2 | 214,715 | 120,777 | 77,298 | 53,679 | 39,438 | 30,194 | 23,857 | 19,324 | 15,971 | 13,420 | 9,859 | 7,549 | 5,964 | 4,831 | 3,993 | 3,355 | 2,859 | 2,465 |
| 20Б0 | 234,835 | 132,095 | 84,541 | 58,709 | 43,133 | 33,024 | 26,093 | 21,135 | 17,467 | 14,677 | 10,783 | 8,256 | 6,523 | 5,284 | 4,367 | 3,669 | 3,126 | 2,696 |
| 20Б1 | 271,215 | 152,558 | 97,637 | 67,804 | 49,815 | 38,140 | 30,135 | 24,409 | 20,173 | 16,951 | 12,454 | 9,535 | 7,534 | 6,102 | 5,043 | 4,238 | 3,611 | 3,113 |
| 20Б2 | 322,457 | 181,382 | 116,084 | 80,614 | 59,227 | 45,346 | 35,829 | 29,021 | 23,984 | 20,154 | 14,807 | 11,336 | 8,957 | 7,255 | 5,996 | 5,038 | 4,293 | 3,702 |
| 20Б3 | 391,768 | 220,369 | 141,036 | 97,942 | 71,957 | 55,092 | 43,530 | 35,259 | 29,140 | 24,485 | 17,989 | 13,773 | 10,882 | 8,815 | 7,285 | 6,121 | 5,216 | 4,497 |
| 25Б1 | 417,598 | 234,899 | 150,335 | 104,400 | 76,702 | 58,725 | 46,400 | 37,584 | 31,061 | 26,100 | 19,175 | 14,681 | 11,600 | 9,396 | 7,765 | 6,525 | 5,560 | 4,794 |
| 25Б2 | 476,800 | 268,200 | 171,648 | 119,200 | 87,575 | 67,050 | 52,978 | 42,912 | 35,464 | 29,800 | 21,894 | 16,762 | 13,244 | 10,728 | 8,866 | 7,450 | 6,348 | 5,473 |
| 25Б3 | 587,584 | 330,516 | 211,530 | 146,896 | 107,924 | 82,629 | 65,287 | 52,883 | 43,705 | 36,724 | 26,981 | 20,657 | 16,322 | 13,221 | 10,926 | 9,181 | 7,823 | 6,745 |
| 25Б4 | 712,161 | 400,591 | 256,378 | 178,040 | 130,805 | 100,148 | 79,129 | 64,094 | 52,971 | 44,510 | 32,701 | 25,037 | 19,782 | 16,024 | 13,243 | 11,128 | 9,481 | 8,175 |
| 30Б1 | 626,232 | 352,255 | 225,444 | 156,558 | 115,022 | 88,064 | 69,581 | 56,361 | 46,579 | 39,139 | 28,756 | 22,016 | 17,395 | 14,090 | 11,645 | 9,785 | 8,337 | 7,189 |
| 30Б2 | 712,501 | 400,782 | 256,500 | 178,125 | 130,868 | 100,195 | 79,167 | 64,125 | 52,996 | 44,531 | 32,717 | 25,049 | 19,792 | 16,031 | 13,249 | 11,133 | 9,486 | 8,179 |
| 30Б3 | 872,829 | 490,966 | 314,218 | 218,207 | 160,315 | 122,742 | 96,981 | 78,555 | 64,921 | 54,552 | 40,079 | 30,685 | 24,245 | 19,639 | 16,230 | 13,638 | 11,620 | 10,020 |
| 30Б4 | 1053,071 | 592,353 | 379,106 | 263,268 | 193,421 | 148,088 | 117,008 | 94,776 | 78,328 | 65,817 | 48,355 | 37,022 | 29,252 | 23,694 | 19,582 | 16,454 | 14,020 | 12,089 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



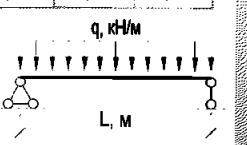
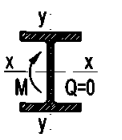



Таблица 6.4.3

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35Б1 | 944,377 | 531,212 | 339,976 | 236,094 | 173,457 | 132,803 | 104,931 | 84,994 | 70,243 | 59,024 | 43,364 | 33,201 | 26,233 | 21,248 | 17,561 | 14,756 | 12,573 | 10,841 |
| 35Б2 | 1107,399 | 622,912 | 398,664 | 276,850 | 203,400 | 155,728 | 123,044 | 99,666 | 82,369 | 69,212 | 50,850 | 38,932 | 30,761 | 24,916 | 20,592 | 17,303 | 14,743 | 12,712 |
| 35Б3 | 1350,023 | 759,388 | 486,008 | 337,506 | 247,963 | 189,847 | 150,003 | 121,502 | 100,415 | 84,376 | 61,991 | 47,462 | 37,501 | 30,376 | 25,104 | 21,094 | 17,974 | 15,498 |
| 35Б4 | 1632,529 | 918,297 | 587,710 | 408,132 | 299,852 | 229,574 | 181,392 | 146,928 | 121,428 | 102,033 | 74,963 | 57,394 | 45,348 | 36,732 | 30,357 | 25,508 | 21,735 | 18,741 |
| 40Б1 | 1444,923 | 812,769 | 520,172 | 361,231 | 265,394 | 203,192 | 160,547 | 130,043 | 107,474 | 90,308 | 66,349 | 50,798 | 40,137 | 32,511 | 26,868 | 22,577 | 19,237 | 16,587 |
| 40Б2 | 1688,483 | 949,772 | 607,854 | 422,121 | 310,130 | 237,443 | 187,609 | 151,963 | 125,590 | 105,530 | 77,532 | 59,361 | 46,902 | 37,991 | 31,397 | 26,383 | 22,480 | 19,383 |
| 40Б3 | 2053,497 | 1155,092 | 739,259 | 513,374 | 377,173 | 288,773 | 228,166 | 184,815 | 152,739 | 128,344 | 94,293 | 72,193 | 57,042 | 46,204 | 38,185 | 32,086 | 27,339 | 23,573 |
| 40Б4 | 2420,748 | 1361,671 | 871,469 | 605,187 | 444,627 | 340,418 | 268,972 | 217,867 | 180,056 | 151,297 | 111,157 | 85,104 | 67,243 | 54,467 | 45,014 | 37,824 | 32,229 | 27,789 |
| 45Б1 | 1861,188 | 1046,918 | 670,028 | 465,297 | 341,851 | 261,730 | 206,799 | 167,507 | 138,435 | 116,324 | 85,463 | 65,432 | 51,700 | 41,877 | 34,609 | 29,081 | 24,779 | 21,366 |
| 45Б2 | 2144,571 | 1206,321 | 772,046 | 536,143 | 393,901 | 301,580 | 238,286 | 193,011 | 159,514 | 134,036 | 98,475 | 75,395 | 59,571 | 48,253 | 39,878 | 33,509 | 28,552 | 24,619 |
| 45Б3 | 2567,821 | 1444,400 | 924,416 | 641,955 | 471,641 | 361,100 | 285,313 | 231,104 | 190,995 | 160,489 | 117,910 | 90,275 | 71,328 | 57,776 | 47,749 | 40,122 | 34,187 | 29,478 |
| 45Б4 | 2993,272 | 1683,716 | 1077,578 | 748,318 | 549,785 | 420,929 | 332,586 | 269,395 | 222,640 | 187,080 | 137,446 | 105,232 | 83,146 | 67,349 | 55,660 | 46,770 | 39,851 | 34,362 |
| 50Б1 | 2191,453 | 1232,692 | 788,923 | 547,863 | 402,512 | 308,173 | 243,495 | 197,231 | 163,001 | 136,966 | 100,628 | 77,043 | 60,874 | 49,308 | 40,750 | 34,241 | 29,176 | 25,157 |
| 50Б2 | 2451,286 | 1378,848 | 882,463 | 612,821 | 450,236 | 344,712 | 272,365 | 220,616 | 182,327 | 153,205 | 112,559 | 86,178 | 68,091 | 55,154 | 45,582 | 38,301 | 32,635 | 28,140 |
| 50Б3 | 2773,860 | 1560,296 | 998,589 | 693,465 | 509,484 | 390,074 | 308,207 | 249,647 | 206,320 | 173,366 | 127,371 | 97,519 | 77,052 | 62,412 | 51,580 | 43,342 | 36,930 | 31,843 |
| 50Б4 | 3410,273 | 1918,279 | 1227,698 | 852,568 | 626,377 | 479,570 | 378,919 | 306,925 | 253,657 | 213,142 | 156,594 | 119,892 | 94,730 | 76,731 | 63,414 | 53,286 | 45,403 | 39,149 |
| 50Б5 | 4117,653 | 2316,180 | 1482,355 | 1029,413 | 756,304 | 579,045 | 457,517 | 370,589 | 306,272 | 257,353 | 189,076 | 144,761 | 114,379 | 92,647 | 76,568 | 64,338 | 54,821 | 47,269 |
| 55Б1 | 2993,422 | 1683,800 | 1077,632 | 748,355 | 549,812 | 420,950 | 332,602 | 269,408 | 222,651 | 187,089 | 137,453 | 105,237 | 83,151 | 67,352 | 55,663 | 46,772 | 39,853 | 34,363 |
| 55Б2 | 3334,392 | 1875,595 | 1200,381 | 833,598 | 612,439 | 468,899 | 370,488 | 300,095 | 248,013 | 208,399 | 153,110 | 117,225 | 92,622 | 75,024 | 62,003 | 52,100 | 44,393 | 38,277 |
| 55Б3 | 3956,162 | 2225,341 | 1424,218 | 989,040 | 726,642 | 556,335 | 439,574 | 356,055 | 294,260 | 247,260 | 181,660 | 139,084 | 109,893 | 89,014 | 73,565 | 61,815 | 52,671 | 45,415 |
| 55Б4 | 4656,778 | 2619,438 | 1676,440 | 1164,195 | 855,327 | 654,859 | 517,420 | 419,110 | 346,372 | 291,049 | 213,832 | 163,715 | 129,355 | 104,778 | 86,593 | 72,762 | 61,999 | 53,458 |
| 60Б1 | 3389,404 | 1906,540 | 1220,185 | 847,351 | 622,544 | 476,635 | 376,600 | 305,046 | 252,104 | 211,838 | 155,636 | 119,159 | 94,150 | 76,262 | 63,026 | 52,959 | 45,125 | 38,909 |
| 60Б2 | 3797,522 | 2136,106 | 1367,108 | 949,381 | 697,504 | 534,027 | 421,947 | 341,777 | 282,460 | 237,345 | 174,376 | 133,507 | 105,487 | 85,444 | 70,615 | 59,336 | 50,559 | 43,594 |
| 60Б3 | 4253,340 | 2392,504 | 1531,203 | 1063,335 | 781,226 | 598,126 | 472,593 | 382,801 | 316,364 | 265,834 | 195,306 | 149,531 | 118,148 | 95,700 | 79,091 | 66,458 | 56,627 | 48,827 |
| 60Б4 | 5107,353 | 2872,886 | 1838,647 | 1276,838 | 938,085 | 718,222 | 567,484 | 459,662 | 379,886 | 319,210 | 234,521 | 179,555 | 141,871 | 114,915 | 94,971 | 79,802 | 67,997 | 58,630 |
| 70Б1 | 5366,386 | 3018,592 | 1931,899 | 1341,596 | 985,663 | 754,648 | 596,265 | 482,975 | 399,153 | 335,399 | 246,416 | 188,662 | 149,066 | 120,744 | 99,788 | 83,850 | 71,446 | 61,604 |
| 70Б2 | 6185,661 | 3479,434 | 2226,838 | 1546,415 | 1136,142 | 869,859 | 687,296 | 556,709 | 460,090 | 386,604 | 284,035 | 217,465 | 171,824 | 139,177 | 115,023 | 96,651 | 82,353 | 71,009 |
| 70Б3 | 6969,411 | 3920,294 | 2508,988 | 1742,353 | 1280,096 | 980,073 | 774,379 | 627,247 | 518,386 | 435,588 | 320,024 | 245,018 | 193,595 | 156,812 | 129,596 | 108,897 | 92,788 | 80,006 |
| 70Б4 | 8226,004 | 4627,127 | 2961,361 | 2056,501 | 1510,899 | 1156,782 | 914,000 | 740,340 | 611,852 | 514,125 | 377,725 | 289,195 | 228,500 | 185,085 | 152,963 | 128,531 | 109,518 | 94,431 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 314,818 | 177,085 | 113,334 | 78,704 | 57,824 | 44,271 | 34,980 | 28,334 | 23,416 | 19,676 | 14,456 | 11,068 | 8,745 | 7,083 | 5,854 | 4,919 | 4,191 | 3,614 |
| 20Ш1 | 397,760 | 223,740 | 143,194 | 99,440 | 73,058 | 55,935 | 44,196 | 35,798 | 29,585 | 24,860 | 18,265 | 13,984 | 11,049 | 8,950 | 7,396 | 6,215 | 5,296 | 4,566 |
| 20Ш2 | 491,107 | 276,248 | 176,799 | 122,777 | 90,203 | 69,062 | 54,567 | 44,200 | 36,529 | 30,694 | 22,551 | 17,265 | 13,642 | 11,050 | 9,132 | 7,674 | 6,538 | 5,638 |
| 20Ш3 | 596,252 | 335,392 | 214,651 | 149,063 | 109,516 | 83,848 | 66,250 | 53,663 | 44,349 | 37,266 | 27,379 | 20,962 | 16,563 | 13,416 | 11,087 | 9,316 | 7,938 | 6,845 |
| 20Ш4 | 751,580 | 422,764 | 270,569 | 187,895 | 138,045 | 105,691 | 83,509 | 67,642 | 55,903 | 46,974 | 34,511 | 26,423 | 20,877 | 16,911 | 13,976 | 11,743 | 10,006 | 8,628 |
| 20Ш5 | 907,827 | 510,652 | 326,818 | 226,957 | 166,744 | 127,663 | 100,870 | 81,704 | 67,524 | 56,739 | 41,686 | 31,916 | 25,217 | 20,426 | 16,881 | 14,185 | 12,086 | 10,421 |
| 20Ш6 | 1134,815 | 638,333 | 408,533 | 283,704 | 208,435 | 159,583 | 126,091 | 102,133 | 84,408 | 70,926 | 52,109 | 39,896 | 31,523 | 25,533 | 21,102 | 17,731 | 15,108 | 13,027 |
| 25Ш0 | 597,150 | 335,897 | 214,974 | 149,287 | 109,681 | 83,974 | 66,350 | 53,743 | 44,416 | 37,322 | 27,420 | 20,994 | 16,587 | 13,436 | 11,104 | 9,330 | 7,950 | 6,855 |
| 25Ш1 | 701,628 | 394,666 | 252,586 | 175,407 | 128,870 | 98,666 | 77,959 | 63,147 | 52,187 | 43,852 | 32,218 | 24,667 | 19,490 | 15,787 | 13,047 | 10,963 | 9,341 | 8,054 |
| 25Ш2 | 855,778 | 481,375 | 308,080 | 213,945 | 157,184 | 120,344 | 95,086 | 77,020 | 63,653 | 53,486 | 39,296 | 30,086 | 23,772 | 19,255 | 15,913 | 13,372 | 11,393 | 9,824 |
| 25Ш3 | 1071,138 | 602,515 | 385,610 | 267,784 | 196,740 | 150,629 | 119,015 | 96,402 | 79,671 | 66,946 | 49,185 | 37,657 | 29,754 | 24,101 | 19,918 | 16,737 | 14,261 | 12,296 |
| 25Ш4 | 1347,420 | 757,924 | 485,071 | 336,855 | 247,485 | 189,481 | 149,713 | 121,268 | 100,221 | 84,214 | 61,871 | 47,370 | 37,428 | 30,317 | 25,055 | 21,053 | 17,939 | 15,468 |
| 25Ш5 | 1676,650 | 943,115 | 603,594 | 419,162 | 307,956 | 235,779 | 186,294 | 150,898 | 124,709 | 104,791 | 76,989 | 58,945 | 46,574 | 37,725 | 31,177 | 26,198 | 22,322 | 19,247 |
| 25Ш6 | 2015,423 | 1133,675 | 725,552 | 503,856 | 370,180 | 283,419 | 223,936 | 181,388 | 149,907 | 125,964 | 92,545 | 70,855 | 55,984 | 45,347 | 37,477 | 31,491 | 26,833 | 23,136 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



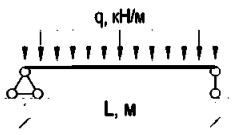
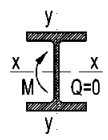



Таблица 6.4.3

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30Ш0 | 938,881 | 528,121 | 337,997 | 234,720 | 172,448 | 132,030 | 104,320 | 84,499 | 69,834 | 58,680 | 43,112 | 33,008 | 26,080 | 21,125 | 17,459 | 14,670 | 12,500 | 10,778 |
| 30Ш1 | 1082,474 | 608,892 | 389,691 | 270,619 | 198,822 | 152,223 | 120,275 | 97,423 | 80,515 | 67,655 | 49,705 | 38,056 | 30,069 | 24,356 | 20,129 | 16,914 | 14,412 | 12,426 |
| 30Ш2 | 1324,601 | 745,088 | 476,856 | 331,150 | 243,294 | 186,272 | 147,178 | 119,214 | 98,524 | 82,788 | 60,824 | 46,568 | 36,794 | 29,804 | 24,631 | 20,697 | 17,635 | 15,206 |
| 30Ш3 | 1595,612 | 897,532 | 574,420 | 398,903 | 293,072 | 224,383 | 177,290 | 143,605 | 118,682 | 99,726 | 73,268 | 56,096 | 44,323 | 35,901 | 29,670 | 24,931 | 21,243 | 18,317 |
| 30Ш4 | 1953,497 | 1098,842 | 703,259 | 488,374 | 358,806 | 274,711 | 217,055 | 175,815 | 145,301 | 122,094 | 89,701 | 68,678 | 54,264 | 43,954 | 36,325 | 30,523 | 26,008 | 22,425 |
| 30Ш5 | 2483,240 | 1396,823 | 893,967 | 620,810 | 456,105 | 349,206 | 275,916 | 223,492 | 184,704 | 155,203 | 114,026 | 87,301 | 68,979 | 55,873 | 46,176 | 38,801 | 33,061 | 28,507 |
| 30Ш6 | 3113,669 | 1751,439 | 1120,921 | 778,417 | 571,898 | 437,860 | 345,963 | 280,230 | 231,595 | 194,604 | 142,975 | 109,465 | 86,491 | 70,058 | 57,899 | 48,651 | 41,454 | 35,744 |
| 35Ш1 | 1438,055 | 808,906 | 517,700 | 359,514 | 264,133 | 202,226 | 159,784 | 129,425 | 106,963 | 89,878 | 66,033 | 50,557 | 39,946 | 32,356 | 26,741 | 22,470 | 19,146 | 16,508 |
| 35Ш2 | 1782,625 | 1002,727 | 641,745 | 445,656 | 327,421 | 250,682 | 198,069 | 160,436 | 132,592 | 111,414 | 81,855 | 62,670 | 49,517 | 40,109 | 33,148 | 27,854 | 23,733 | 20,464 |
| 35Ш3 | 2216,223 | 1246,625 | 797,840 | 554,056 | 407,061 | 311,656 | 246,247 | 199,460 | 164,843 | 138,514 | 101,765 | 77,914 | 61,562 | 49,865 | 41,211 | 34,628 | 29,506 | 25,441 |
| 35Ш4 | 2655,920 | 1493,955 | 956,131 | 663,980 | 487,822 | 373,489 | 295,102 | 239,033 | 197,548 | 165,995 | 121,955 | 93,372 | 73,776 | 59,758 | 49,387 | 41,499 | 35,360 | 30,489 |
| 35Ш5 | 3311,492 | 1862,714 | 1192,137 | 827,873 | 608,233 | 465,679 | 367,944 | 298,034 | 246,309 | 206,968 | 152,058 | 116,420 | 91,986 | 74,509 | 61,577 | 51,742 | 44,088 | 38,015 |
| 35Ш6 | 3959,268 | 2227,088 | 1425,337 | 989,817 | 727,213 | 556,772 | 439,919 | 356,334 | 294,491 | 247,454 | 181,803 | 139,193 | 109,980 | 89,084 | 73,623 | 61,864 | 52,712 | 45,451 |
| 35Ш7 | 4953,569 | 2786,383 | 1783,285 | 1238,392 | 909,839 | 696,596 | 550,397 | 445,821 | 368,447 | 309,598 | 227,460 | 174,149 | 137,599 | 111,455 | 92,112 | 77,400 | 65,950 | 56,865 |
| 40Ш1 | 2239,807 | 1259,891 | 806,330 | 559,952 | 411,393 | 314,973 | 248,867 | 201,583 | 166,597 | 139,988 | 102,848 | 78,743 | 62,217 | 50,396 | 41,649 | 34,997 | 29,820 | 25,712 |
| 40Ш2 | 2765,246 | 1555,451 | 995,489 | 691,312 | 507,902 | 388,863 | 307,250 | 248,872 | 205,679 | 172,828 | 126,976 | 97,216 | 76,812 | 62,218 | 51,420 | 43,207 | 36,815 | 31,744 |
| 40Ш3 | 3357,850 | 1888,791 | 1208,826 | 839,463 | 616,748 | 472,198 | 373,094 | 302,207 | 249,757 | 209,866 | 154,187 | 118,049 | 93,274 | 75,552 | 62,439 | 52,466 | 44,705 | 38,547 |
| 40Ш4 | 4120,647 | 2317,864 | 1483,433 | 1030,162 | 756,854 | 579,466 | 457,850 | 370,858 | 306,494 | 257,540 | 189,213 | 144,866 | 114,462 | 92,715 | 76,624 | 64,385 | 54,861 | 47,303 |
| 40Ш5 | 5174,072 | 2910,415 | 1862,666 | 1293,518 | 950,340 | 727,604 | 574,897 | 465,666 | 384,848 | 323,379 | 237,585 | 181,901 | 143,724 | 116,417 | 96,212 | 80,845 | 68,886 | 59,396 |
| 40Ш6 | 6058,805 | 3408,078 | 2181,170 | 1514,701 | 1112,842 | 852,019 | 673,201 | 545,292 | 450,655 | 378,675 | 278,210 | 213,005 | 168,300 | 136,323 | 112,664 | 94,669 | 80,665 | 69,553 |
| 40Ш7 | 7412,672 | 4169,628 | 2668,562 | 1853,168 | 1361,511 | 1042,407 | 823,630 | 667,140 | 551,356 | 463,292 | 340,378 | 260,602 | 205,908 | 166,785 | 137,839 | 115,823 | 98,689 | 85,094 |
| 45Ш0 | 3026,211 | 1702,243 | 1089,436 | 756,553 | 555,835 | 425,561 | 336,246 | 272,359 | 225,090 | 189,138 | 138,959 | 106,390 | 84,061 | 68,090 | 56,273 | 47,285 | 40,290 | 34,740 |
| 45Ш1 | 3566,025 | 2005,889 | 1283,769 | 891,506 | 654,984 | 501,472 | 396,225 | 320,942 | 265,241 | 222,877 | 163,746 | 125,368 | 99,056 | 80,236 | 66,310 | 55,719 | 47,477 | 40,937 |
| 45Ш2 | 4165,893 | 2343,315 | 1499,722 | 1041,473 | 765,164 | 585,829 | 462,877 | 374,930 | 309,860 | 260,368 | 191,291 | 146,457 | 115,719 | 93,733 | 77,465 | 65,092 | 55,463 | 47,823 |
| 45Ш3 | 4771,779 | 2684,125 | 1717,840 | 1192,945 | 876,449 | 671,031 | 530,198 | 429,460 | 354,926 | 298,236 | 219,112 | 167,758 | 132,549 | 107,365 | 88,731 | 74,559 | 63,530 | 54,778 |
| 45Ш4 | 5959,168 | 3352,032 | 2145,300 | 1489,792 | 1094,541 | 838,008 | 662,130 | 536,325 | 443,244 | 372,448 | 273,635 | 209,502 | 165,532 | 134,081 | 110,811 | 93,112 | 79,338 | 68,409 |
| 45Ш5 | 6942,872 | 3905,366 | 2499,434 | 1735,718 | 1275,221 | 976,341 | 771,430 | 624,859 | 516,412 | 433,930 | 318,805 | 244,085 | 192,858 | 156,215 | 129,103 | 108,482 | 92,435 | 79,701 |
| 45Ш6 | 8479,756 | 4769,863 | 3052,712 | 2119,939 | 1557,506 | 1192,466 | 942,195 | 763,178 | 630,726 | 529,985 | 389,377 | 298,116 | 235,549 | 190,795 | 157,681 | 132,496 | 112,896 | 97,344 |
| 50Ш1 | 3557,434 | 2001,056 | 1280,676 | 889,358 | 653,406 | 500,264 | 395,270 | 320,169 | 264,603 | 222,340 | 163,352 | 125,066 | 98,818 | 80,042 | 66,151 | 55,585 | 47,362 | 40,838 |
| 50Ш2 | 4231,774 | 2380,373 | 1523,438 | 1057,943 | 777,265 | 595,093 | 470,197 | 380,860 | 314,760 | 264,486 | 194,316 | 148,773 | 117,549 | 95,215 | 78,690 | 66,121 | 56,340 | 48,579 |
| 50Ш3 | 4819,286 | 2710,848 | 1734,943 | 1204,821 | 885,175 | 677,712 | 535,476 | 433,736 | 358,459 | 301,205 | 221,294 | 169,428 | 133,869 | 108,434 | 89,615 | 75,301 | 64,162 | 55,323 |
| 50Ш4 | 5403,138 | 3039,265 | 1945,130 | 1350,784 | 992,413 | 759,816 | 600,349 | 486,282 | 401,886 | 337,696 | 248,103 | 189,954 | 150,087 | 121,571 | 100,472 | 84,424 | 71,935 | 62,026 |
| 50Ш5 | 6380,292 | 3588,914 | 2296,905 | 1595,073 | 1171,890 | 897,228 | 708,921 | 574,226 | 474,567 | 398,768 | 292,973 | 224,307 | 177,230 | 143,557 | 118,642 | 99,692 | 84,945 | 73,243 |
| 50Ш6 | 7410,540 | 4168,429 | 2667,795 | 1852,635 | 1361,120 | 1042,107 | 823,393 | 666,949 | 551,197 | 463,159 | 340,280 | 260,527 | 205,848 | 166,737 | 137,799 | 115,790 | 98,661 | 85,070 |
| 50Ш7 | 8954,205 | 5036,741 | 3223,514 | 2238,551 | 1644,650 | 1259,185 | 994,912 | 805,878 | 666,015 | 559,638 | 411,162 | 314,796 | 248,728 | 201,470 | 166,504 | 139,909 | 119,213 | 102,791 |
| 50Ш8 | 10707,508 | 6022,973 | 3854,703 | 2676,877 | 1966,685 | 1505,743 | 1189,723 | 963,676 | 796,426 | 669,219 | 491,671 | 376,436 | 297,431 | 240,919 | 199,107 | 167,305 | 142,556 | 122,918 |
| 60Ш1 | 5072,931 | 2853,524 | 1826,255 | 1268,233 | 931,763 | 713,381 | 563,659 | 456,564 | 377,325 | 317,058 | 232,941 | 178,345 | 140,915 | 114,141 | 94,331 | 79,265 | 67,539 | 58,235 |
| 60Ш2 | 6200,508 | 3487,786 | 2232,183 | 1550,127 | 1138,869 | 871,946 | 688,945 | 558,046 | 461,195 | 387,532 | 284,717 | 217,987 | 172,236 | 139,511 | 115,299 | 96,883 | 82,551 | 71,179 |
| 60Ш3 | 7244,203 | 4074,864 | 2607,913 | 1811,051 | 1330,568 | 1018,716 | 804,911 | 651,978 | 538,825 | 452,763 | 332,642 | 254,679 | 201,228 | 162,995 | 134,706 | 113,191 | 96,446 | 83,160 |
| 60Ш4 | 8285,000 | 4660,312 | 2982,600 | 2071,250 | 1521,735 | 1165,078 | 920,556 | 745,650 | 616,240 | 517,812 | 380,434 | 291,270 | 230,139 | 186,412 | 154,060 | 129,453 | 110,303 | 95,108 |
| 60Ш5 | 9521,414 | 5355,795 | 3427,709 | 2380,353 | 1748,831 | 1338,949 | 1057,935 | 856,927 | 708,204 | 595,088 | 437,208 | 334,737 | 264,484 | 214,232 | 177,051 | 148,772 | 126,764 | 109,302 |
| 60Ш6 | 11713,810 | 6589,018 | 4216,972 | 2928,453 | 2151,516 | 1647,255 | 1301,534 | 1054,243 | 871,275 | 732,113 | 537,879 | 411,814 | 325,384 | 263,561 | 217,819 | 183,028 | 155,953 | 134,470 |
| 60Ш7 | 13665,497 | 7686,842 | 4919,579 | 3416,374 | 2509,989 | 1921,711 | 1518,389 | 1229,895 | 1016,442 | 854,094 | 627,497 | 480,428 | 379,597 | 307,474 | 254,110 | 213,523 | 181,937 | 156,874 |
| 60Ш8 | 16388,354 | 9218,449 | 5899,807 | 4097,088 | 3010,106 | 2304,612 | 1820,928 | 1474,952 | 1218,968 | 1024,272 | 752,526 | 576,153 | 455,232 | 368,738 | 304,742 | 256,068 | 218,188 | 188,132 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



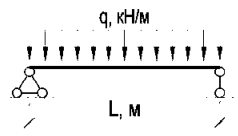



Таблица 6.4.3

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 70Ш1 | 7206,801 | 4053,825 | 2594,448 | 1801,700 | 1323,698 | 1013,456 | 800,756 | 648,612 | 536,043 | 450,425 | 330,925 | 253,364 | 200,189 | 162,153 | 134,011 | 112,606 | 95,949 | 82,731 |
| 70Ш2 | 8238,607 | 4634,217 | 2965,899 | 2059,652 | 1513,214 | 1158,554 | 915,401 | 741,475 | 612,789 | 514,913 | 378,303 | 289,639 | 228,850 | 185,369 | 153,197 | 128,728 | 109,686 | 94,576 |
| 70Ш3 | 9782,583 | 5502,703 | 3521,730 | 2445,646 | 1796,801 | 1375,676 | 1086,954 | 880,432 | 727,630 | 611,411 | 449,200 | 343,919 | 271,738 | 220,108 | 181,908 | 152,853 | 130,241 | 112,300 |
| 70Ш4 | 10829,336 | 6091,502 | 3898,561 | 2707,334 | 1989,062 | 1522,875 | 1203,260 | 974,640 | 805,488 | 676,834 | 497,265 | 380,719 | 300,815 | 243,660 | 201,372 | 169,208 | 144,178 | 124,316 |
| 70Ш5 | 12387,139 | 6967,766 | 4459,370 | 3096,785 | 2275,189 | 1741,941 | 1376,349 | 1114,843 | 921,357 | 774,196 | 568,797 | 435,485 | 344,087 | 278,711 | 230,339 | 193,549 | 164,918 | 142,199 |
| 70Ш6 | 15231,226 | 8567,565 | 5483,241 | 3807,807 | 2797,572 | 2141,891 | 1692,358 | 1370,810 | 1132,901 | 951,952 | 699,393 | 535,473 | 423,090 | 342,703 | 283,225 | 237,988 | 202,783 | 174,848 |
| 70Ш7 | 18276,396 | 10280,473 | 6579,503 | 4569,099 | 3356,889 | 2570,118 | 2030,711 | 1644,876 | 1359,401 | 1142,275 | 839,222 | 642,580 | 507,678 | 411,219 | 339,850 | 285,569 | 243,325 | 209,806 |
| 70Ш8 | 21390,818 | 12032,335 | 7700,695 | 5347,705 | 3928,926 | 3008,084 | 2376,758 | 1925,174 | 1591,053 | 1336,926 | 982,231 | 752,021 | 594,189 | 481,293 | 397,763 | 334,232 | 284,789 | 245,558 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | 264,196 | 148,610 | 95,110 | 66,049 | 48,526 | 37,153 | 29,355 | 23,778 | 19,651 | 16,512 | 12,131 | 9,288 | 7,339 | 5,944 | 4,913 | 4,128 | 3,517 | 3,033 |
| 15К2 | 310,567 | 174,694 | 111,804 | 77,642 | 57,043 | 43,673 | 34,507 | 27,951 | 23,100 | 19,410 | 14,261 | 10,918 | 8,627 | 6,988 | 5,775 | 4,853 | 4,135 | 3,565 |
| 15К3 | 376,933 | 212,025 | 135,696 | 94,233 | 69,233 | 53,006 | 41,881 | 33,924 | 28,036 | 23,558 | 17,308 | 13,252 | 10,470 | 8,481 | 7,009 | 5,890 | 5,018 | 4,327 |
| 15К4 | 452,776 | 254,686 | 162,999 | 113,194 | 83,163 | 63,672 | 50,308 | 40,750 | 33,678 | 28,298 | 20,791 | 15,918 | 12,577 | 10,187 | 8,419 | 7,075 | 6,028 | 5,198 |
| 15К5 | 546,292 | 307,289 | 196,665 | 136,573 | 100,339 | 76,822 | 60,699 | 49,166 | 40,633 | 34,143 | 25,085 | 19,206 | 15,175 | 12,292 | 10,158 | 8,536 | 7,273 | 6,271 |
| 20К1 | 555,668 | 312,563 | 200,040 | 138,917 | 102,061 | 78,141 | 61,741 | 50,010 | 41,331 | 34,729 | 25,515 | 19,535 | 15,435 | 12,503 | 10,333 | 8,682 | 7,398 | 6,379 |
| 20К2 | 650,732 | 366,037 | 234,263 | 162,683 | 119,522 | 91,509 | 72,304 | 58,566 | 48,402 | 40,671 | 29,881 | 22,877 | 18,076 | 14,641 | 12,100 | 10,168 | 8,664 | 7,470 |
| 20К3 | 756,385 | 425,467 | 272,299 | 189,096 | 138,928 | 106,367 | 84,043 | 68,075 | 56,260 | 47,274 | 34,732 | 26,592 | 21,011 | 17,019 | 14,065 | 11,819 | 10,070 | 8,683 |
| 20К4 | 911,190 | 512,544 | 328,028 | 227,797 | 167,361 | 128,136 | 101,243 | 82,007 | 67,774 | 56,949 | 41,840 | 32,034 | 25,311 | 20,502 | 16,944 | 14,237 | 12,131 | 10,460 |
| 20К5 | 1024,529 | 576,297 | 368,830 | 256,132 | 188,179 | 144,074 | 113,837 | 92,208 | 76,205 | 64,033 | 47,045 | 36,019 | 28,459 | 23,052 | 19,051 | 16,008 | 13,640 | 11,761 |
| 20К6 | 1186,877 | 667,619 | 427,276 | 296,719 | 217,998 | 166,905 | 131,875 | 106,819 | 88,280 | 74,180 | 54,499 | 41,726 | 32,969 | 26,705 | 22,070 | 18,545 | 15,802 | 13,625 |
| 20К7 | 1356,170 | 762,846 | 488,221 | 339,043 | 249,092 | 190,711 | 150,686 | 122,055 | 100,872 | 84,761 | 62,273 | 47,678 | 37,671 | 30,514 | 25,218 | 21,190 | 18,056 | 15,568 |
| 20К8 | 1570,495 | 883,404 | 565,378 | 392,624 | 288,458 | 220,851 | 174,499 | 141,345 | 116,814 | 98,156 | 72,115 | 55,213 | 43,625 | 35,336 | 29,203 | 24,539 | 20,909 | 18,029 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25К1 | 1029,458 | 579,070 | 370,605 | 257,365 | 189,084 | 144,768 | 114,384 | 92,651 | 76,571 | 64,341 | 47,271 | 36,192 | 28,596 | 23,163 | 19,143 | 16,085 | 13,706 | 11,818 |
| 25К2 | 1194,153 | 671,711 | 429,895 | 298,538 | 219,334 | 167,928 | 132,684 | 107,474 | 88,821 | 74,635 | 54,834 | 41,982 | 33,171 | 26,868 | 22,205 | 18,659 | 15,898 | 13,708 |
| 25К3 | 1323,931 | 744,711 | 476,615 | 330,983 | 243,171 | 186,178 | 147,103 | 119,154 | 98,474 | 82,746 | 60,793 | 46,544 | 36,776 | 29,788 | 24,619 | 20,686 | 17,626 | 15,198 |
| 25К4 | 1491,271 | 838,840 | 536,858 | 372,818 | 273,907 | 209,710 | 165,697 | 134,214 | 110,921 | 93,204 | 68,477 | 52,428 | 41,424 | 33,554 | 27,730 | 23,301 | 19,854 | 17,119 |
| 25К5 | 1705,182 | 959,165 | 613,865 | 426,295 | 313,197 | 239,791 | 189,465 | 153,466 | 126,832 | 106,574 | 78,299 | 59,948 | 47,366 | 38,367 | 31,708 | 26,643 | 22,702 | 19,575 |
| 25К6 | 1914,857 | 1077,107 | 689,348 | 478,714 | 351,708 | 269,277 | 212,762 | 172,337 | 142,427 | 119,679 | 87,927 | 67,319 | 53,190 | 43,084 | 35,607 | 29,920 | 25,494 | 21,982 |
| 25К7 | 2245,949 | 1263,346 | 808,542 | 561,487 | 412,521 | 315,837 | 249,550 | 202,135 | 167,054 | 140,372 | 103,130 | 78,959 | 62,387 | 50,534 | 41,764 | 35,093 | 29,902 | 25,783 |
| 25К8 | 2554,834 | 1437,094 | 919,740 | 638,709 | 469,255 | 359,274 | 283,870 | 229,935 | 190,029 | 159,677 | 117,314 | 89,818 | 70,968 | 57,484 | 47,507 | 39,919 | 34,014 | 29,328 |
| 25К9 | 2790,698 | 1569,768 | 1004,651 | 697,675 | 512,577 | 392,442 | 310,078 | 251,163 | 207,573 | 174,419 | 128,144 | 98,110 | 77,519 | 62,791 | 51,893 | 43,605 | 37,154 | 32,036 |
| 25К10 | 3231,788 | 1817,881 | 1163,444 | 807,947 | 593,594 | 454,470 | 359,088 | 290,861 | 240,381 | 201,987 | 148,398 | 113,618 | 89,772 | 72,715 | 60,095 | 50,497 | 43,027 | 37,100 |
| 30К1 | 1744,730 | 981,411 | 628,103 | 436,183 | 320,461 | 245,353 | 193,859 | 157,026 | 129,773 | 109,046 | 80,115 | 61,338 | 48,465 | 39,256 | 32,443 | 27,261 | 23,229 | 20,029 |
| 30К2 | 1879,580 | 1057,264 | 676,649 | 469,895 | 345,229 | 264,316 | 208,842 | 169,162 | 139,803 | 117,474 | 86,307 | 66,079 | 52,211 | 42,291 | 34,951 | 29,368 | 25,024 | 21,577 |
| 30К3 | 2013,610 | 1132,656 | 724,900 | 503,403 | 369,847 | 283,164 | 223,734 | 181,225 | 149,773 | 125,851 | 92,462 | 70,791 | 55,934 | 45,306 | 37,443 | 31,463 | 26,808 | 23,115 |
| 30К4 | 2121,353 | 1193,261 | 763,687 | 530,338 | 389,636 | 298,315 | 235,706 | 190,922 | 157,787 | 132,585 | 97,409 | 74,579 | 58,926 | 47,730 | 39,447 | 33,146 | 28,243 | 24,352 |
| 30К5 | 2358,052 | 1326,405 | 848,899 | 589,513 | 433,112 | 331,601 | 262,006 | 212,225 | 175,392 | 147,378 | 108,278 | 82,900 | 65,501 | 53,056 | 43,848 | 36,845 | 31,394 | 27,069 |
| 30К6 | 2602,466 | 1463,887 | 936,888 | 650,616 | 478,004 | 365,972 | 289,163 | 234,222 | 193,572 | 162,654 | 119,501 | 91,493 | 72,291 | 58,555 | 48,393 | 40,664 | 34,648 | 29,875 |
| 30К7 | 2852,916 | 1604,765 | 1027,050 | 713,229 | 524,005 | 401,191 | 316,991 | 256,762 | 212,200 | 178,307 | 131,001 | 100,298 | 79,248 | 64,191 | 53,050 | 44,577 | 37,983 | 32,750 |
| 30К8 | 3296,375 | 1854,211 | 1186,695 | 824,094 | 605,457 | 463,553 | 366,264 | 296,674 | 245,185 | 206,023 | 151,364 | 115,888 | 91,566 | 74,168 | 61,296 | 51,506 | 43,887 | 37,841 |
| 30К9 | 3721,053 | 2093,092 | 1339,579 | 930,263 | 683,459 | 523,273 | 413,450 | 334,895 | 276,773 | 232,566 | 170,865 | 130,818 | 103,363 | 83,724 | 69,193 | 58,141 | 49,541 | 42,716 |
| 30К10 | 4163,594 | 2342,022 | 1498,894 | 1040,899 | 764,742 | 585,505 | 462,622 | 374,723 | 309,689 | 260,225 | 191,185 | 146,376 | 115,655 | 93,681 | 77,422 | 65,056 | 55,432 | 47,796 |
| 30К11 | 4485,598 | 2523,149 | 1614,815 | 1121,400 | 823,885 | 630,787 | 498,400 | 403,704 | 333,640 | 280,350 | 205,971 | 157,697 | 124,600 | 100,926 | 83,410 | 70,087 | 59,720 | 51,493 |
| 30К12 | 4986,548 | 2804,933 | 1795,157 | 1246,637 | 915,897 | 701,233 | 554,061 | 448,789 | 370,900 | 311,659 | 228,974 | 175,308 | 138,515 | 112,197 | 92,725 | 77,915 | 66,389 | 57,244 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

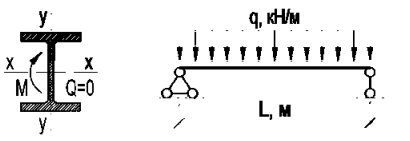
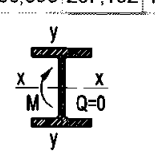


Таблица 6.4.3

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| **30К13** | 5619,451 | 3160,941 | 2023,002 | 1404,863 | 1032,144 | 790,235 | 624,383 | 505,751 | 417,976 | 351,216 | 258,036 | 197,559 | 156,096 | 126,438 | 104,494 | 87,804 | 74,815 | 64,509 |
| **30К14** | 6213,910 | 3495,324 | 2237,008 | 1553,478 | 1141,330 | 873,831 | 690,434 | 559,252 | 462,192 | 388,369 | 285,333 | 218,458 | 172,609 | 139,813 | 115,548 | 97,092 | 82,730 | 71,333 |
| **30К15** | 6835,992 | 3845,246 | 2460,957 | 1708,998 | 1255,590 | 961,311 | 759,555 | 615,239 | 508,462 | 427,250 | 313,898 | 240,328 | 189,889 | 153,810 | 127,116 | 106,812 | 91,012 | 78,474 |
| **30К16** | 7600,644 | 4275,362 | 2736,232 | 1900,161 | 1396,037 | 1068,841 | 844,516 | 684,058 | 565,337 | 475,040 | 349,009 | 267,210 | 211,129 | 171,014 | 141,334 | 118,760 | 101,192 | 87,252 |
| **30К17** | 8377,944 | 4712,593 | 3016,060 | 2094,486 | 1538,806 | 1178,148 | 930,883 | 754,015 | 623,153 | 523,621 | 384,701 | 294,537 | 232,721 | 188,504 | 155,788 | 130,905 | 111,541 | 96,175 |
| **30К18** | 9049,487 | 5090,337 | 3257,815 | 2262,372 | 1662,151 | 1272,584 | 1005,499 | 814,454 | 673,102 | 565,593 | 415,538 | 318,146 | 251,375 | 203,613 | 168,276 | 141,398 | 120,481 | 103,884 |
| **30К19** | 10209,972 | 5743,109 | 3675,590 | 2552,493 | 1875,301 | 1435,777 | 1134,441 | 918,897 | 759,419 | 638,123 | 468,825 | 358,944 | 283,610 | 229,724 | 189,855 | 159,531 | 135,932 | 117,206 |
| **30К20** | 11369,406 | 6395,291 | 4092,986 | 2842,352 | 2088,258 | 1598,823 | 1263,267 | 1023,247 | 845,658 | 710,588 | 522,065 | 399,706 | 315,817 | 255,812 | 211,415 | 177,647 | 151,368 | 130,516 |
| **30К21** | 12519,459 | 7042,196 | 4507,005 | 3129,865 | 2299,492 | 1760,549 | 1391,051 | 1126,751 | 931,199 | 782,466 | 574,873 | 440,137 | 347,763 | 281,688 | 232,800 | 195,617 | 166,679 | 143,718 |
| **35К1** | 2523,786 | 1419,630 | 908,563 | 630,947 | 463,553 | 354,907 | 280,421 | 227,141 | 187,720 | 157,737 | 115,888 | 88,727 | 70,105 | 56,785 | 46,930 | 39,434 | 33,601 | 28,972 |
| **35К1,5** | 2846,430 | 1601,117 | 1024,715 | 711,608 | 522,814 | 400,279 | 316,270 | 256,179 | 211,718 | 177,902 | 130,703 | 100,070 | 79,068 | 64,045 | 52,929 | 44,475 | 37,896 | 32,676 |
| **35К2** | 3170,706 | 1783,522 | 1141,454 | 792,677 | 582,375 | 445,881 | 352,301 | 285,364 | 235,838 | 198,169 | 145,594 | 111,470 | 88,075 | 71,341 | 58,959 | 49,542 | 42,214 | 36,398 |
| **35К3** | 3584,971 | 2016,546 | 1290,590 | 896,243 | 658,464 | 504,137 | 398,330 | 322,647 | 266,651 | 224,061 | 164,616 | 126,034 | 99,583 | 80,662 | 66,663 | 56,015 | 47,729 | 41,154 |
| **35К4** | 4001,852 | 2251,042 | 1440,667 | 1000,463 | 735,034 | 562,760 | 444,650 | 360,167 | 297,658 | 250,116 | 183,758 | 140,690 | 111,163 | 90,042 | 74,415 | 62,529 | 53,279 | 45,940 |
| **35К5** | 4421,485 | 2487,085 | 1591,734 | 1105,371 | 812,109 | 621,771 | 491,276 | 397,934 | 328,871 | 276,343 | 203,027 | 155,443 | 122,819 | 99,483 | 82,218 | 69,086 | 58,866 | 50,757 |
| **35К6** | 4841,405 | 2723,290 | 1742,906 | 1210,351 | 889,238 | 680,823 | 537,934 | 435,726 | 360,105 | 302,588 | 222,309 | 170,206 | 134,483 | 108,932 | 90,026 | 75,647 | 64,457 | 55,577 |
| **35К7** | 5290,691 | 2976,014 | 1904,649 | 1322,673 | 971,760 | 744,003 | 587,855 | 476,162 | 393,522 | 330,668 | 242,940 | 186,001 | 146,964 | 119,041 | 98,381 | 82,667 | 70,438 | 60,735 |
| **35К8** | 5803,230 | 3264,317 | 2089,163 | 1450,807 | 1065,899 | 816,079 | 644,803 | 522,291 | 431,645 | 362,702 | 266,475 | 204,020 | 161,201 | 130,573 | 107,911 | 90,675 | 77,262 | 66,619 |
| **35К9** | 6393,407 | 3596,292 | 2301,627 | 1598,352 | 1174,299 | 899,073 | 710,379 | 575,407 | 475,543 | 399,588 | 293,575 | 224,768 | 177,595 | 143,852 | 118,886 | 99,897 | 85,119 | 73,394 |
| **35К10** | 7004,924 | 3940,270 | 2521,773 | 1751,231 | 1286,619 | 985,067 | 778,325 | 630,443 | 521,027 | 437,808 | 321,655 | 246,267 | 194,581 | 157,611 | 130,257 | 109,452 | 93,261 | 80,414 |
| **35К11** | 7863,466 | 4423,200 | 2830,848 | 1965,867 | 1444,310 | 1105,800 | 873,718 | 707,712 | 584,886 | 491,467 | 361,078 | 276,450 | 218,430 | 176,928 | 146,221 | 122,867 | 104,691 | 90,269 |
| **35К12** | 8749,404 | 4921,540 | 3149,786 | 2187,351 | 1607,033 | 1230,385 | 972,156 | 787,446 | 650,782 | 546,838 | 401,758 | 307,596 | 243,039 | 196,862 | 162,696 | 136,709 | 116,486 | 100,440 |
| **35К13** | 9647,443 | 5426,687 | 3473,080 | 2411,861 | 1771,979 | 1356,672 | 1071,938 | 868,270 | 717,578 | 602,965 | 442,995 | 339,168 | 267,985 | 217,067 | 179,395 | 150,741 | 128,442 | 110,749 |
| **35К14** | 10264,960 | 5774,040 | 3695,386 | 2566,240 | 1885,401 | 1443,510 | 1140,551 | 923,846 | 763,509 | 641,560 | 471,350 | 360,878 | 285,138 | 230,962 | 190,877 | 160,390 | 136,664 | 117,838 |
| **35К15** | 11351,230 | 6385,067 | 4086,443 | 2837,807 | 2084,920 | 1596,267 | 1261,248 | 1021,611 | 844,306 | 709,452 | 521,230 | 399,067 | 315,312 | 255,403 | 211,077 | 177,363 | 151,126 | 130,307 |
| **35К16** | 12834,483 | 7219,397 | 4620,414 | 3208,621 | 2357,354 | 1804,849 | 1426,054 | 1155,103 | 954,631 | 802,155 | 589,339 | 451,212 | 356,513 | 288,776 | 238,658 | 200,539 | 170,873 | 147,335 |
| **35К17** | 14162,081 | 7966,170 | 5098,349 | 3540,520 | 2601,198 | 1991,543 | 1573,565 | 1274,587 | 1053,378 | 885,130 | 650,300 | 497,886 | 393,391 | 318,647 | 263,344 | 221,283 | 188,548 | 162,575 |
| **35К18** | 15271,633 | 8590,293 | 5497,788 | 3817,908 | 2804,994 | 2147,573 | 1696,848 | 1374,447 | 1135,907 | 954,477 | 701,248 | 536,893 | 424,212 | 343,612 | 283,977 | 238,619 | 203,321 | 175,312 |
| **35К19** | 16994,738 | 9559,540 | 6118,106 | 4248,685 | 3121,483 | 2389,885 | 1888,304 | 1529,526 | 1264,071 | 1062,171 | 780,371 | 597,471 | 472,076 | 382,382 | 316,018 | 265,543 | 226,261 | 195,093 |
| **35К20** | 17833,962 | 10031,604 | 6420,226 | 4458,490 | 3275,626 | 2507,901 | 1981,551 | 1605,057 | 1326,493 | 1114,623 | 818,906 | 626,975 | 495,388 | 401,264 | 331,623 | 278,656 | 237,434 | 204,727 |
| **35К21** | 19832,938 | 11156,028 | 7139,858 | 4958,234 | 3642,784 | 2789,007 | 2203,660 | 1784,964 | 1475,177 | 1239,559 | 910,696 | 697,252 | 550,915 | 446,241 | 368,794 | 309,890 | 264,048 | 227,674 |
| **35К22** | 22082,421 | 12421,362 | 7949,672 | 5520,605 | 4055,955 | 3105,340 | 2453,602 | 1987,418 | 1642,494 | 1380,151 | 1013,989 | 776,335 | 613,401 | 496,854 | 410,624 | 345,038 | 293,997 | 253,497 |
| **35К23** | 24635,341 | 13857,379 | 8868,723 | 6158,835 | 4524,859 | 3464,345 | 2737,260 | 2217,181 | 1832,381 | 1539,709 | 1131,215 | 866,086 | 684,315 | 554,295 | 458,095 | 384,927 | 327,985 | 282,804 |
| **35К24** | 27467,334 | 15450,376 | 9888,240 | 6866,834 | 5045,021 | 3862,594 | 3051,926 | 2472,060 | 2043,025 | 1716,708 | 1261,255 | 965,648 | 762,982 | 618,015 | 510,756 | 429,177 | 365,689 | 315,314 |
| **40К1** | 3919,781 | 2204,877 | 1411,121 | 979,945 | 719,960 | 551,219 | 435,531 | 352,780 | 291,554 | 244,986 | 179,990 | 137,805 | 108,883 | 88,195 | 72,888 | 61,247 | 52,186 | 44,997 |
| **40К2** | 4583,324 | 2578,120 | 1649,997 | 1145,831 | 841,835 | 644,530 | 509,258 | 412,499 | 340,908 | 286,458 | 210,459 | 161,132 | 127,315 | 103,125 | 85,227 | 71,614 | 61,021 | 52,615 |
| **40К3** | 5307,078 | 2985,231 | 1910,548 | 1326,769 | 974,769 | 746,308 | 589,675 | 477,637 | 394,741 | 331,692 | 243,692 | 186,577 | 147,419 | 119,409 | 98,685 | 82,923 | 70,656 | 60,923 |
| **40К4** | 6174,390 | 3473,095 | 2222,781 | 1543,598 | 1134,072 | 868,274 | 686,043 | 555,695 | 459,252 | 385,899 | 283,518 | 217,068 | 171,511 | 138,924 | 114,813 | 96,475 | 82,203 | 70,879 |
| **40К4,5** | 6617,559 | 3722,377 | 2382,321 | 1654,390 | 1215,470 | 930,594 | 735,284 | 595,580 | 492,215 | 413,597 | 303,868 | 232,649 | 183,821 | 148,895 | 123,054 | 103,399 | 88,104 | 75,967 |
| **40К5** | 7524,686 | 4232,636 | 2708,887 | 1881,171 | 1382,085 | 1058,159 | 836,076 | 677,222 | 559,687 | 470,293 | 345,521 | 264,540 | 209,019 | 169,305 | 139,922 | 117,573 | 100,181 | 86,380 |
| **40К6** | 7884,958 | 4435,289 | 2838,585 | 1971,239 | 1448,258 | 1108,822 | 876,106 | 709,646 | 586,484 | 492,810 | 362,064 | 277,206 | 219,027 | 177,412 | 146,621 | 123,202 | 104,977 | 90,516 |
| **40К7** | 8886,420 | 4998,611 | 3199,111 | 2221,605 | 1632,200 | 1249,653 | 987,380 | 799,778 | 660,973 | 555,401 | 408,050 | 312,413 | 246,845 | 199,944 | 165,243 | 138,850 | 118,310 | 102,012 |
| **40К8** | 9898,480 | 5567,895 | 3563,453 | 2474,620 | 1818,088 | 1391,974 | 1099,831 | 890,863 | 736,251 | 618,655 | 454,522 | 347,993 | 274,958 | 222,716 | 184,063 | 154,664 | 131,784 | 113,631 |
| **40К9** | 11137,475 | 6264,830 | 4009,491 | 2784,369 | 2045,659 | 1566,207 | 1237,497 | 1002,373 | 828,407 | 696,092 | 511,415 | 391,552 | 309,374 | 250,593 | 207,102 | 174,023 | 148,280 | 127,854 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



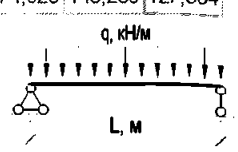
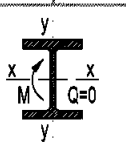



Таблица 6.4.3

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40К10 | 12224,528 | 6876,297 | 4400,830 | 3056,132 | 2245,322 | 1719,074 | 1358,281 | 1100,208 | 909,262 | 764,033 | 561,330 | 429,769 | 339,570 | 275,052 | 227,316 | 191,008 | 162,753 | 140,333 |
| 40К11 | 13814,804 | 7770,827 | 4973,329 | 3453,701 | 2537,413 | 1942,707 | 1534,978 | 1243,332 | 1027,547 | 863,425 | 634,353 | 485,677 | 383,745 | 310,833 | 256,887 | 215,856 | 183,925 | 158,588 |
| 40К12 | 15534,537 | 8738,177 | 5592,433 | 3883,634 | 2853,282 | 2184,544 | 1726,060 | 1398,108 | 1155,461 | 970,909 | 713,321 | 546,136 | 431,515 | 349,527 | 288,865 | 242,727 | 206,821 | 178,330 |
| 40К13 | 16981,256 | 9551,956 | 6113,252 | 4245,314 | 3119,006 | 2387,989 | 1886,806 | 1528,313 | 1263,069 | 1061,328 | 779,752 | 596,997 | 471,702 | 382,078 | 315,767 | 265,332 | 226,082 | 194,938 |
| 40К14 | 19141,284 | 10766,972 | 6890,862 | 4785,321 | 3515,746 | 2691,743 | 2126,809 | 1722,716 | 1423,732 | 1196,330 | 878,937 | 672,936 | 531,702 | 430,679 | 355,933 | 299,083 | 254,840 | 219,734 |
| 40К15 | 20346,511 | 11444,912 | 7324,744 | 5086,628 | 3737,114 | 2861,228 | 2260,723 | 1831,186 | 1513,377 | 1271,657 | 934,279 | 715,307 | 565,181 | 457,796 | 378,344 | 317,914 | 270,886 | 233,570 |
| 40К16 | 23018,046 | 12947,651 | 8286,497 | 5754,512 | 4227,804 | 3236,913 | 2557,561 | 2071,624 | 1712,086 | 1438,628 | 1056,951 | 809,228 | 639,390 | 517,906 | 428,022 | 359,657 | 306,453 | 264,238 |
| 40К17 | 26225,518 | 14751,854 | 9441,187 | 6556,380 | 4816,932 | 3687,964 | 2913,946 | 2360,297 | 1950,658 | 1639,095 | 1204,233 | 921,991 | 728,487 | 590,074 | 487,665 | 409,774 | 349,156 | 301,058 |
| 40К18 | 29757,860 | 16738,796 | 10712,829 | 7439,465 | 5465,729 | 4184,699 | 3306,429 | 2678,207 | 2213,395 | 1859,866 | 1366,432 | 1046,175 | 826,607 | 669,552 | 553,349 | 464,967 | 396,185 | 341,608 |
| 40К19 | 33770,555 | 18995,937 | 12157,400 | 8442,639 | 6202,755 | 4748,984 | 3752,284 | 3039,350 | 2511,859 | 2110,660 | 1550,689 | 1187,246 | 938,071 | 759,837 | 627,965 | 527,665 | 449,608 | 387,672 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 199,978 | 112,488 | 71,992 | 49,995 | 36,731 | 28,122 | 22,220 | 17,998 | 14,874 | 12,499 | 9,183 | 7,030 | 5,555 | 4,500 | 3,719 | 3,125 | 2,662 | 2,296 |
| 20С1 | 698,160 | 392,715 | 251,338 | 174,540 | 128,234 | 98,179 | 77,573 | 62,834 | 51,929 | 43,635 | 32,058 | 24,545 | 19,393 | 15,709 | 12,982 | 10,909 | 9,295 | 8,015 |
| 25С1 | 1010,085 | 568,173 | 363,630 | 252,521 | 185,526 | 142,043 | 112,232 | 90,908 | 75,130 | 63,130 | 46,381 | 35,511 | 28,058 | 22,727 | 18,783 | 15,783 | 13,448 | 11,595 |
| 25С2 | 1287,813 | 724,395 | 463,613 | 321,953 | 236,537 | 181,099 | 143,090 | 115,903 | 95,788 | 80,488 | 59,134 | 45,275 | 35,773 | 28,976 | 23,947 | 20,122 | 17,145 | 14,784 |
| 30С1 | 1609,624 | 905,413 | 579,465 | 402,406 | 295,645 | 226,353 | 178,847 | 144,866 | 119,724 | 100,601 | 73,911 | 56,588 | 44,712 | 36,217 | 29,931 | 25,150 | 21,430 | 18,478 |
| 30С2 | 2013,610 | 1132,656 | 724,900 | 503,403 | 369,847 | 283,164 | 223,734 | 181,225 | 149,773 | 125,851 | 92,462 | 70,791 | 55,934 | 45,306 | 37,443 | 31,463 | 26,808 | 23,115 |
| 32С1 | 3515,548 | 1977,496 | 1265,597 | 878,887 | 645,713 | 494,374 | 390,616 | 316,399 | 261,487 | 219,722 | 161,428 | 123,593 | 97,654 | 79,100 | 65,372 | 54,930 | 46,805 | 40,357 |
| 32С2 | 4250,571 | 2390,946 | 1530,205 | 1062,643 | 780,717 | 597,736 | 472,286 | 382,551 | 316,158 | 265,661 | 195,179 | 149,434 | 118,071 | 95,638 | 79,040 | 66,415 | 56,590 | 48,795 |
| 35С1 | 2339,862 | 1316,173 | 842,350 | 584,966 | 429,771 | 329,043 | 259,985 | 210,588 | 174,039 | 146,241 | 107,443 | 82,261 | 64,996 | 52,647 | 43,510 | 36,560 | 31,152 | 26,861 |
| 35С2 | 2880,670 | 1620,377 | 1037,041 | 720,167 | 529,103 | 405,094 | 320,074 | 259,260 | 214,265 | 180,042 | 132,276 | 101,274 | 80,019 | 64,815 | 53,566 | 45,010 | 38,352 | 33,069 |
| 35С3 | 3428,614 | 1928,595 | 1234,301 | 857,154 | 629,745 | 482,149 | 380,957 | 308,575 | 255,021 | 214,288 | 157,436 | 120,537 | 95,239 | 77,144 | 63,755 | 53,572 | 45,647 | 39,359 |
| 40С1 | 3540,792 | 1991,695 | 1274,685 | 885,198 | 650,350 | 497,924 | 393,421 | 318,671 | 263,365 | 221,299 | 162,587 | 124,481 | 98,355 | 79,668 | 65,841 | 55,325 | 47,141 | 40,647 |
| 40С2 | 4251,146 | 2391,270 | 1530,413 | 1062,787 | 780,823 | 597,817 | 472,350 | 382,603 | 316,201 | 265,697 | 195,206 | 149,454 | 118,087 | 95,651 | 79,050 | 66,424 | 56,598 | 48,801 |
| 40С3 | 4969,858 | 2795,545 | 1789,149 | 1242,465 | 912,831 | 698,886 | 552,206 | 447,287 | 369,659 | 310,616 | 228,208 | 174,722 | 138,052 | 111,822 | 92,415 | 77,654 | 66,167 | 57,052 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 360,282 | 202,658 | 129,701 | 90,070 | 66,174 | 50,665 | 40,031 | 32,425 | 26,798 | 22,518 | 16,544 | 12,666 | 10,008 | 8,106 | 6,699 | 5,629 | 4,797 | 4,136 |
| 20ДБ2 | 419,114 | 235,751 | 150,881 | 104,778 | 76,980 | 58,938 | 46,568 | 37,720 | 31,174 | 26,195 | 19,245 | 14,734 | 11,642 | 9,430 | 7,793 | 6,549 | 5,580 | 4,811 |
| 25ДБ1 | 512,559 | 288,315 | 184,521 | 128,140 | 94,144 | 72,079 | 56,951 | 46,130 | 38,124 | 32,035 | 23,536 | 18,020 | 14,238 | 11,533 | 9,531 | 8,009 | 6,824 | 5,884 |
| 25ДБ2 | 607,605 | 341,778 | 218,738 | 151,901 | 111,601 | 85,445 | 67,512 | 54,684 | 45,194 | 37,975 | 27,900 | 21,361 | 16,878 | 13,671 | 11,298 | 9,494 | 8,089 | 6,975 |
| 25ДБ3 | 707,500 | 397,969 | 254,700 | 176,875 | 129,949 | 99,492 | 78,611 | 63,675 | 52,624 | 44,219 | 32,487 | 24,873 | 19,653 | 15,919 | 13,156 | 11,055 | 9,419 | 8,122 |
| 25ДБ4 | 552,467 | 310,763 | 198,888 | 138,117 | 101,474 | 77,691 | 61,385 | 49,722 | 41,093 | 34,529 | 25,368 | 19,423 | 15,346 | 12,431 | 10,273 | 8,632 | 7,355 | 6,342 |
| 25ДБ5 | 644,801 | 362,701 | 232,128 | 161,200 | 118,433 | 90,675 | 71,645 | 58,032 | 47,960 | 40,300 | 29,608 | 22,669 | 17,911 | 14,508 | 11,990 | 10,075 | 8,585 | 7,402 |
| 25ДБ6 | 751,089 | 422,487 | 270,392 | 187,772 | 137,955 | 105,622 | 83,454 | 67,598 | 55,866 | 46,943 | 34,489 | 26,405 | 20,864 | 16,899 | 13,967 | 11,736 | 10,000 | 8,622 |
| 30ДБ1 | 530,523 | 298,419 | 190,988 | 132,631 | 97,443 | 74,605 | 58,947 | 47,747 | 39,460 | 33,158 | 24,361 | 18,651 | 14,737 | 11,937 | 9,865 | 8,289 | 7,063 | 6,090 |
| 30ДБ2 | 607,643 | 341,799 | 218,751 | 151,911 | 111,608 | 85,450 | 67,516 | 54,688 | 45,197 | 37,978 | 27,902 | 21,362 | 16,879 | 13,672 | 11,299 | 9,494 | 8,090 | 6,975 |
| 30ДБ3 | 800,764 | 450,430 | 288,275 | 200,191 | 147,079 | 112,607 | 88,974 | 72,069 | 59,561 | 50,048 | 36,770 | 28,152 | 22,243 | 18,017 | 14,890 | 12,512 | 10,661 | 9,192 |
| 30ДБ4 | 898,531 | 505,424 | 323,471 | 224,633 | 165,036 | 126,356 | 99,837 | 80,868 | 66,833 | 56,158 | 41,259 | 31,589 | 24,959 | 20,217 | 16,708 | 14,040 | 11,963 | 10,315 |
| 30ДБ5 | 1054,652 | 593,242 | 379,675 | 263,663 | 193,712 | 148,310 | 117,184 | 94,919 | 78,445 | 65,916 | 48,428 | 37,078 | 29,296 | 23,730 | 19,611 | 16,479 | 14,041 | 12,107 |
| 30ДБ6 | 789,533 | 444,112 | 284,232 | 197,383 | 145,016 | 111,028 | 87,726 | 71,058 | 58,726 | 49,346 | 36,254 | 27,757 | 21,931 | 17,764 | 14,681 | 12,336 | 10,512 | 9,064 |
| 30ДБ7 | 908,110 | 510,812 | 326,920 | 227,028 | 166,796 | 127,703 | 100,901 | 81,730 | 67,545 | 56,757 | 41,699 | 31,926 | 25,225 | 20,432 | 16,886 | 14,189 | 12,090 | 10,425 |
| 30ДБ8 | 1060,063 | 596,286 | 381,623 | 265,016 | 194,706 | 149,071 | 117,785 | 95,406 | 78,848 | 66,254 | 48,676 | 37,268 | 29,446 | 23,851 | 19,712 | 16,563 | 14,113 | 12,169 |
| 35ДБ1 | 713,096 | 401,116 | 256,714 | 178,274 | 130,977 | 100,279 | 79,233 | 64,179 | 53,040 | 44,568 | 32,744 | 25,070 | 19,808 | 16,045 | 13,260 | 11,142 | 9,494 | 8,186 |
| 35ДБ2 | 844,543 | 475,055 | 304,035 | 211,136 | 155,120 | 118,764 | 93,838 | 76,009 | 62,817 | 52,784 | 38,780 | 29,691 | 23,460 | 19,002 | 15,704 | 13,196 | 11,244 | 9,695 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



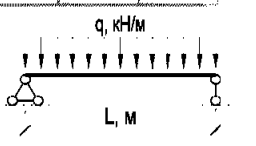



Таблица 6.4.3

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35ДБ3 | 1024,562 | 576,316 | 368,842 | 256,141 | 188,185 | 144,079 | 113,840 | 92,211 | 76,207 | 64,035 | 47,046 | 36,020 | 28,460 | 23,053 | 19,052 | 16,009 | 13,641 | 11,762 |
| 35ДБ4 | 1138,397 | 640,348 | 409,823 | 284,599 | 209,093 | 160,087 | 126,489 | 102,456 | 84,674 | 71,150 | 52,273 | 40,022 | 31,622 | 25,614 | 21,169 | 17,787 | 15,156 | 13,068 |
| 35ДБ5 | 1278,940 | 719,404 | 460,418 | 319,735 | 234,907 | 179,851 | 142,104 | 115,105 | 95,128 | 79,934 | 58,727 | 44,963 | 35,526 | 28,776 | 23,782 | 19,983 | 17,027 | 14,682 |
| 35ДБ6 | 1521,800 | 856,013 | 547,848 | 380,450 | 279,514 | 214,003 | 169,089 | 136,962 | 113,192 | 95,113 | 69,879 | 53,501 | 42,272 | 34,241 | 28,298 | 23,778 | 20,261 | 17,470 |
| 35ДБ7 | 2111,747 | 1187,858 | 760,229 | 527,937 | 387,872 | 296,964 | 234,639 | 190,057 | 157,072 | 131,984 | 96,968 | 74,241 | 58,660 | 47,514 | 39,268 | 32,996 | 28,115 | 24,242 |
| 35ДБ8 | 2356,581 | 1325,577 | 848,369 | 589,145 | 432,841 | 331,394 | 261,842 | 212,092 | 175,283 | 147,286 | 108,210 | 82,849 | 65,461 | 53,023 | 43,821 | 36,822 | 31,375 | 27,053 |
| 35ДБ9 | 2563,981 | 1442,239 | 923,033 | 640,995 | 470,935 | 360,560 | 284,887 | 230,758 | 190,709 | 160,249 | 117,734 | 90,140 | 71,222 | 57,690 | 47,677 | 40,062 | 34,136 | 29,433 |
| 35ДБ10 | 2811,275 | 1581,342 | 1012,059 | 702,819 | 516,357 | 395,336 | 312,364 | 253,015 | 209,103 | 175,705 | 129,089 | 98,834 | 78,091 | 63,254 | 52,276 | 43,926 | 37,428 | 32,272 |
| 40ДБ1 | 959,598 | 539,774 | 345,455 | 239,899 | 176,253 | 134,943 | 106,622 | 86,364 | 71,375 | 59,975 | 44,063 | 33,736 | 26,655 | 21,591 | 17,844 | 14,994 | 12,776 | 11,016 |
| 40ДБ2 | 1129,513 | 635,351 | 406,625 | 282,378 | 207,461 | 158,838 | 125,501 | 101,656 | 84,013 | 70,595 | 51,865 | 39,709 | 31,375 | 25,414 | 21,003 | 17,649 | 15,038 | 12,966 |
| 40ДБ3 | 1339,902 | 753,695 | 482,365 | 334,975 | 246,104 | 188,424 | 148,878 | 120,591 | 99,662 | 83,744 | 61,526 | 47,106 | 37,219 | 30,148 | 24,916 | 20,936 | 17,839 | 15,382 |
| 40ДБ4 | 1524,515 | 857,540 | 548,825 | 381,129 | 280,013 | 214,385 | 169,391 | 137,206 | 113,394 | 95,282 | 70,003 | 53,596 | 42,348 | 34,302 | 28,348 | 23,821 | 20,297 | 17,501 |
| 40ДБ5 | 1722,861 | 969,109 | 620,230 | 430,715 | 316,444 | 242,277 | 191,429 | 155,057 | 128,147 | 107,679 | 79,111 | 60,569 | 47,857 | 38,764 | 32,037 | 26,920 | 22,937 | 19,778 |
| 40ДБ6 | 1912,941 | 1076,029 | 688,659 | 478,235 | 351,356 | 269,007 | 212,549 | 172,165 | 142,285 | 119,559 | 87,839 | 67,252 | 53,137 | 43,041 | 35,571 | 29,890 | 25,468 | 21,960 |
| 40ДБ7 | 2170,183 | 1220,728 | 781,266 | 542,546 | 398,605 | 305,182 | 241,131 | 195,316 | 161,419 | 135,636 | 99,651 | 76,295 | 60,283 | 48,829 | 40,355 | 33,909 | 28,893 | 24,913 |
| 45ДБ1 | 1388,916 | 781,265 | 500,010 | 347,229 | 255,107 | 195,316 | 154,324 | 125,002 | 103,308 | 86,807 | 63,777 | 48,829 | 38,581 | 31,251 | 25,827 | 21,702 | 18,491 | 15,944 |
| 45ДБ2 | 1637,735 | 921,226 | 589,584 | 409,434 | 300,808 | 230,306 | 181,971 | 147,396 | 121,815 | 102,358 | 75,202 | 57,577 | 45,493 | 36,849 | 30,454 | 25,590 | 21,804 | 18,801 |
| 45ДБ3 | 1888,262 | 1062,147 | 679,774 | 472,065 | 346,824 | 265,537 | 209,807 | 169,944 | 140,449 | 118,016 | 86,706 | 66,384 | 52,452 | 42,486 | 35,112 | 29,504 | 25,140 | 21,676 |
| 45ДБ4 | 2058,323 | 1157,806 | 740,996 | 514,581 | 378,059 | 289,452 | 228,703 | 185,249 | 153,098 | 128,645 | 94,515 | 72,363 | 57,176 | 46,312 | 38,275 | 32,161 | 27,404 | 23,629 |
| 45ДБ5 | 2283,161 | 1284,278 | 821,938 | 570,790 | 419,356 | 321,070 | 253,685 | 205,485 | 169,822 | 142,698 | 104,839 | 80,267 | 63,421 | 51,371 | 42,455 | 35,674 | 30,397 | 26,210 |
| 45ДБ6 | 1881,671 | 1058,440 | 677,402 | 470,418 | 345,613 | 264,610 | 209,075 | 169,350 | 139,959 | 117,604 | 86,403 | 66,152 | 52,269 | 42,338 | 34,990 | 29,401 | 25,052 | 21,601 |
| 45ДБ7 | 2103,646 | 1183,301 | 757,313 | 525,912 | 386,384 | 295,825 | 233,738 | 189,328 | 156,470 | 131,478 | 96,596 | 73,956 | 58,435 | 47,332 | 39,117 | 32,869 | 28,007 | 24,149 |
| 45ДБ8 | 2323,763 | 1307,117 | 836,555 | 580,941 | 426,814 | 326,779 | 258,196 | 209,139 | 172,842 | 145,235 | 106,703 | 81,695 | 64,549 | 52,285 | 43,210 | 36,309 | 30,938 | 26,676 |
| 45ДБ9 | 2546,694 | 1432,515 | 916,810 | 636,674 | 467,760 | 358,129 | 282,966 | 229,202 | 189,424 | 159,168 | 116,940 | 89,532 | 70,742 | 57,301 | 47,356 | 39,792 | 33,906 | 29,235 |
| 45ДБ10 | 2751,171 | 1547,534 | 990,422 | 687,793 | 505,317 | 386,883 | 305,686 | 247,605 | 204,633 | 171,948 | 126,329 | 96,721 | 76,421 | 61,901 | 51,158 | 42,987 | 36,628 | 31,582 |
| 45ДБ11 | 3001,688 | 1688,449 | 1080,608 | 750,422 | 551,330 | 422,112 | 333,521 | 270,152 | 223,266 | 187,605 | 137,833 | 105,528 | 83,380 | 67,538 | 55,817 | 46,901 | 39,963 | 34,458 |
| 53ДБ3 | 3017,173 | 1697,160 | 1086,182 | 754,293 | 554,175 | 424,290 | 335,241 | 271,546 | 224,418 | 188,573 | 138,544 | 106,072 | 83,810 | 67,886 | 56,104 | 47,143 | 40,169 | 34,636 |
| 53ДБ4 | 3335,440 | 1876,185 | 1200,758 | 833,860 | 612,632 | 469,046 | 370,604 | 300,190 | 248,091 | 208,465 | 153,158 | 117,262 | 92,651 | 75,047 | 62,023 | 52,116 | 44,407 | 38,289 |
| 53ДБ5 | 3589,164 | 2018,905 | 1292,099 | 897,291 | 659,234 | 504,726 | 398,796 | 323,025 | 266,963 | 224,323 | 164,809 | 126,182 | 99,699 | 80,756 | 66,741 | 56,081 | 47,785 | 41,202 |
| 53ДБ6 | 4053,784 | 2280,253 | 1459,362 | 1013,446 | 744,573 | 570,063 | 450,420 | 364,841 | 301,521 | 253,361 | 186,143 | 142,516 | 112,605 | 91,210 | 75,380 | 63,340 | 53,970 | 46,536 |
| 53ДБ7 | 4544,612 | 2556,344 | 1636,060 | 1136,153 | 834,725 | 639,086 | 504,957 | 409,015 | 338,029 | 284,038 | 208,681 | 159,772 | 126,239 | 102,254 | 84,507 | 71,010 | 60,505 | 52,170 |
| 60ДБ1 | 2824,648 | 1588,864 | 1016,873 | 706,162 | 518,813 | 397,216 | 313,850 | 254,218 | 210,098 | 176,540 | 129,703 | 99,304 | 78,462 | 63,555 | 52,524 | 44,135 | 37,606 | 32,426 |
| 60ДБ2 | 3213,933 | 1807,837 | 1157,016 | 803,483 | 590,314 | 451,959 | 357,104 | 289,254 | 239,053 | 200,871 | 147,579 | 112,990 | 89,276 | 72,313 | 59,763 | 50,218 | 42,789 | 36,895 |
| 60ДБ3 | 3710,116 | 2086,940 | 1335,642 | 927,529 | 681,450 | 521,735 | 412,235 | 333,910 | 275,959 | 231,882 | 170,362 | 130,434 | 103,059 | 83,478 | 68,990 | 57,971 | 49,395 | 42,591 |
| 60ДБ4 | 4200,045 | 2362,525 | 1512,016 | 1050,011 | 771,437 | 590,631 | 466,672 | 378,004 | 312,400 | 262,503 | 192,859 | 147,658 | 116,668 | 94,501 | 78,100 | 65,626 | 55,918 | 48,215 |
| 60ДБ5 | 4677,577 | 2631,137 | 1683,928 | 1169,394 | 859,147 | 657,784 | 519,731 | 420,982 | 347,919 | 292,349 | 214,787 | 164,446 | 129,933 | 105,245 | 86,980 | 73,087 | 62,275 | 53,697 |
| 60ДБ6 | 5261,648 | 2959,677 | 1894,193 | 1315,412 | 966,425 | 739,919 | 584,628 | 473,548 | 391,362 | 328,853 | 241,606 | 184,980 | 146,157 | 118,387 | 97,841 | 82,213 | 70,052 | 60,402 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 102,576 | 57,699 | 36,927 | 25,644 | 18,841 | 14,425 | 11,397 | 9,232 | 7,630 | 6,411 | 4,710 | 3,606 | 2,849 | 2,308 | 1,907 | 1,603 | 1,366 | 1,178 |
| 10ДК2 | 126,160 | 70,965 | 45,418 | 31,540 | 23,172 | 17,741 | 14,018 | 11,354 | 9,384 | 7,885 | 5,793 | 4,435 | 3,504 | 2,839 | 2,346 | 1,971 | 1,680 | 1,448 |
| 10ДК3 | 258,392 | 145,345 | 93,021 | 64,598 | 47,460 | 36,336 | 28,710 | 23,255 | 19,219 | 16,149 | 11,865 | 9,084 | 7,178 | 5,814 | 4,805 | 4,037 | 3,440 | 2,966 |
| 12ДК1 | 149,122 | 83,881 | 53,684 | 37,280 | 27,390 | 20,970 | 16,569 | 13,421 | 11,092 | 9,320 | 6,847 | 5,243 | 4,142 | 3,355 | 2,773 | 2,330 | 1,985 | 1,712 |
| 12ДК2 | 196,607 | 110,592 | 70,779 | 49,152 | 36,112 | 27,648 | 21,845 | 17,695 | 14,624 | 12,288 | 9,028 | 6,912 | 5,461 | 4,424 | 3,656 | 3,072 | 2,618 | 2,257 |
| 12ДК3 | 392,217 | 220,622 | 141,198 | 98,054 | 72,040 | 55,155 | 43,580 | 35,299 | 29,173 | 24,514 | 18,010 | 13,789 | 10,895 | 8,825 | 7,293 | 6,128 | 5,222 | 4,502 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

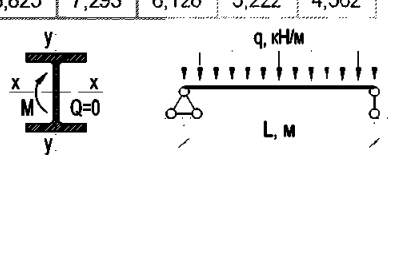


Таблица 6.4.3

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 14ДК1 | 218,646 | 122,988 | 78,713 | 54,661 | 40,159 | 30,747 | 24,294 | 19,678 | 16,263 | 13,665 | 10,040 | 7,687 | 6,073 | 4,920 | 4,066 | 3,416 | 2,911 | 2,510 |
| 14ДК2 | 294,938 | 165,903 | 106,178 | 73,735 | 54,172 | 41,476 | 32,771 | 26,544 | 21,938 | 18,434 | 13,543 | 10,369 | 8,193 | 6,636 | 5,484 | 4,608 | 3,927 | 3,386 |
| 14ДК3 | 560,449 | 315,253 | 201,762 | 140,112 | 102,940 | 78,813 | 62,272 | 50,440 | 41,686 | 35,028 | 25,735 | 19,703 | 15,568 | 12,610 | 10,422 | 8,757 | 7,462 | 6,434 |
| 15ДК1 | 229,140 | 128,891 | 82,490 | 57,285 | 42,087 | 32,223 | 25,460 | 20,623 | 17,043 | 14,321 | 10,522 | 8,056 | 6,365 | 5,156 | 4,261 | 3,580 | 3,051 | 2,630 |
| 15ДК2 | 312,224 | 175,626 | 112,401 | 78,056 | 57,347 | 43,907 | 34,692 | 28,100 | 23,223 | 19,514 | 14,337 | 10,977 | 8,673 | 7,025 | 5,806 | 4,879 | 4,157 | 3,584 |
| 15ДК3 | 380,710 | 214,150 | 137,056 | 95,178 | 69,926 | 53,537 | 42,301 | 34,264 | 28,317 | 23,794 | 17,482 | 13,384 | 10,575 | 8,566 | 7,079 | 5,949 | 5,069 | 4,370 |
| 16ДК1 | 310,998 | 174,936 | 111,959 | 77,749 | 57,122 | 43,734 | 34,555 | 27,990 | 23,132 | 19,437 | 14,280 | 10,934 | 8,639 | 6,997 | 5,783 | 4,859 | 4,140 | 3,570 |
| 16ДК2 | 426,236 | 239,758 | 153,445 | 106,559 | 78,288 | 59,939 | 47,360 | 38,361 | 31,704 | 26,640 | 19,572 | 14,985 | 11,840 | 9,590 | 7,926 | 6,660 | 5,675 | 4,893 |
| 16ДК3 | 773,603 | 435,152 | 278,497 | 193,401 | 142,090 | 108,788 | 85,956 | 69,624 | 57,541 | 48,350 | 35,523 | 27,197 | 21,489 | 17,406 | 14,385 | 12,088 | 10,299 | 8,881 |
| 18ДК1 | 414,605 | 233,216 | 149,258 | 103,651 | 76,152 | 58,304 | 46,067 | 37,314 | 30,838 | 25,913 | 19,038 | 14,576 | 11,517 | 9,329 | 7,710 | 6,478 | 5,520 | 4,760 |
| 18ДК2 | 581,518 | 327,104 | 209,347 | 145,380 | 106,809 | 81,776 | 64,613 | 52,337 | 43,253 | 36,345 | 26,702 | 20,444 | 16,153 | 13,084 | 10,813 | 9,086 | 7,742 | 6,676 |
| 18ДК3 | 1022,647 | 575,239 | 368,153 | 255,662 | 187,833 | 143,810 | 113,627 | 92,038 | 76,065 | 63,915 | 46,958 | 35,952 | 28,407 | 23,010 | 19,016 | 15,979 | 13,615 | 11,740 |
| 20ДК1 | 617,872 | 347,553 | 222,434 | 154,468 | 113,487 | 86,888 | 68,652 | 55,608 | 45,957 | 38,617 | 28,372 | 21,722 | 17,163 | 13,902 | 11,489 | 9,654 | 8,226 | 7,093 |
| 20ДК2 | 704,419 | 396,236 | 253,591 | 176,105 | 129,383 | 99,059 | 78,269 | 63,398 | 52,395 | 44,026 | 32,346 | 24,765 | 19,567 | 15,849 | 13,099 | 11,007 | 9,378 | 8,086 |
| 20ДК3 | 802,171 | 451,221 | 288,781 | 200,543 | 147,337 | 112,805 | 89,130 | 72,195 | 59,666 | 50,136 | 36,834 | 28,201 | 22,283 | 18,049 | 14,916 | 12,534 | 10,680 | 9,209 |
| 20ДК4 | 972,420 | 546,986 | 350,071 | 243,105 | 178,608 | 136,747 | 108,047 | 87,518 | 72,329 | 60,776 | 44,652 | 34,187 | 27,012 | 21,879 | 18,082 | 15,194 | 12,946 | 11,163 |
| 20ДК5 | 1173,131 | 659,886 | 422,327 | 293,283 | 215,473 | 164,972 | 130,348 | 105,582 | 87,258 | 73,321 | 53,868 | 41,243 | 32,587 | 26,395 | 21,814 | 18,330 | 15,619 | 13,467 |
| 20ДК6 | 1357,967 | 763,856 | 488,868 | 339,492 | 249,422 | 190,964 | 150,885 | 122,217 | 101,006 | 84,873 | 62,356 | 47,741 | 37,721 | 30,554 | 25,251 | 21,218 | 18,079 | 15,589 |
| 25ДК1 | 1223,987 | 688,493 | 440,635 | 305,997 | 224,814 | 172,123 | 135,999 | 110,159 | 91,040 | 76,499 | 56,204 | 43,031 | 34,000 | 27,540 | 22,760 | 19,125 | 16,296 | 14,051 |
| 25ДК2 | 1347,829 | 758,154 | 485,218 | 336,957 | 247,560 | 189,538 | 149,759 | 121,305 | 100,252 | 84,239 | 61,890 | 47,385 | 37,440 | 30,326 | 25,063 | 21,060 | 17,944 | 15,473 |
| 25ДК3 | 1507,290 | 847,851 | 542,624 | 376,823 | 276,849 | 211,963 | 167,477 | 135,656 | 112,112 | 94,206 | 69,212 | 52,991 | 41,869 | 33,914 | 28,028 | 23,551 | 20,067 | 17,303 |
| 25ДК4 | 1702,404 | 957,603 | 612,866 | 425,601 | 312,687 | 239,401 | 189,156 | 153,216 | 126,625 | 106,400 | 78,172 | 59,850 | 47,289 | 38,304 | 31,656 | 26,600 | 22,665 | 19,543 |

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 56,66 | 31,87 | 20,40 | 14,17 | 10,41 | 7,97 | 6,30 | 5,10 | 4,21 | 3,54 | 2,60 | 1,99 | 1,57 | 1,27 | 1,05 | 0,89 | 0,75 | 0,65 |
| 12Б1 | 72,99 | 41,06 | 26,28 | 18,25 | 13,41 | 10,26 | 8,11 | 6,57 | 5,43 | 4,56 | 3,35 | 2,57 | 2,03 | 1,64 | 1,36 | 1,14 | 0,97 | 0,84 |
| 12Б2 | 87,89 | 49,44 | 31,64 | 21,97 | 16,14 | 12,36 | 9,77 | 7,91 | 6,54 | 5,49 | 4,04 | 3,09 | 2,44 | 1,98 | 1,63 | 1,37 | 1,17 | 1,01 |
| 14Б1 | 104,98 | 59,05 | 37,79 | 26,25 | 19,28 | 14,76 | 11,66 | 9,45 | 7,81 | 6,56 | 4,82 | 3,69 | 2,92 | 2,36 | 1,95 | 1,64 | 1,40 | 1,21 |
| 14Б2 | 128,24 | 72,13 | 46,17 | 32,06 | 23,55 | 18,03 | 14,25 | 11,54 | 9,54 | 8,01 | 5,89 | 4,51 | 3,56 | 2,89 | 2,38 | 2,00 | 1,71 | 1,47 |
| 16Б1 | 145,87 | 82,05 | 52,51 | 36,47 | 26,79 | 20,51 | 16,21 | 13,13 | 10,85 | 9,12 | 6,70 | 5,13 | 4,05 | 3,28 | 2,71 | 2,28 | 1,94 | 1,67 |
| 16Б2 | 180,55 | 101,56 | 65,00 | 45,14 | 33,16 | 25,39 | 20,06 | 16,25 | 13,43 | 11,28 | 8,29 | 6,35 | 5,02 | 4,06 | 3,36 | 2,82 | 2,40 | 2,07 |
| 18Б1 | 199,43 | 112,18 | 71,80 | 49,86 | 36,63 | 28,05 | 22,16 | 17,95 | 14,83 | 12,46 | 9,16 | 7,01 | 5,54 | 4,49 | 3,71 | 3,12 | 2,66 | 2,29 |
| 18Б2 | 242,967 | 136,669 | 87,468 | 60,742 | 44,627 | 34,167 | 26,996 | 21,867 | 18,072 | 15,185 | 11,157 | 8,542 | 6,749 | 5,467 | 4,518 | 3,796 | 3,235 | 2,789 |
| 20Б0 | 265,734 | 149,475 | 95,664 | 66,434 | 48,808 | 37,369 | 29,526 | 23,916 | 19,765 | 16,608 | 12,202 | 9,342 | 7,382 | 5,979 | 4,941 | 4,152 | 3,538 | 3,051 |
| 20Б1 | 306,901 | 172,632 | 110,484 | 76,725 | 56,370 | 43,158 | 34,100 | 27,621 | 22,827 | 19,181 | 14,092 | 10,789 | 8,525 | 6,905 | 5,707 | 4,795 | 4,086 | 3,523 |
| 20Б2 | 364,885 | 205,248 | 131,359 | 91,221 | 67,020 | 51,312 | 40,543 | 32,840 | 27,140 | 22,805 | 16,755 | 12,828 | 10,136 | 8,210 | 6,785 | 5,701 | 4,858 | 4,189 |
| 20Б3 | 455,297 | 256,105 | 163,907 | 113,824 | 83,626 | 64,026 | 50,589 | 40,977 | 33,865 | 28,456 | 20,907 | 16,007 | 12,647 | 10,244 | 8,466 | 7,114 | 6,062 | 5,227 |
| 25Б1 | 472,545 | 265,807 | 170,116 | 118,136 | 86,794 | 66,452 | 52,505 | 42,529 | 35,148 | 29,534 | 21,699 | 16,613 | 13,126 | 10,632 | 8,787 | 7,384 | 6,291 | 5,425 |
| 25Б2 | 539,537 | 303,489 | 194,233 | 134,884 | 99,099 | 75,872 | 59,949 | 48,558 | 40,131 | 33,721 | 24,775 | 18,968 | 14,987 | 12,140 | 10,033 | 8,430 | 7,183 | 6,194 |
| 25Б3 | 682,868 | 384,114 | 245,833 | 170,717 | 125,425 | 96,028 | 75,874 | 61,458 | 50,792 | 42,679 | 31,356 | 24,007 | 18,969 | 15,365 | 12,698 | 10,670 | 9,091 | 7,839 |
| 25Б4 | 827,646 | 465,551 | 297,953 | 206,912 | 152,017 | 116,388 | 91,961 | 74,488 | 61,560 | 51,728 | 38,004 | 29,097 | 22,990 | 18,622 | 15,390 | 12,932 | 11,019 | 9,501 |
| 30Б1 | 708,631 | 398,605 | 255,107 | 177,158 | 130,157 | 99,651 | 78,737 | 63,777 | 52,708 | 44,289 | 32,539 | 24,913 | 19,684 | 15,944 | 13,177 | 11,072 | 9,434 | 8,135 |
| 30Б2 | 806,251 | 453,516 | 290,250 | 201,563 | 148,087 | 113,379 | 89,583 | 72,563 | 59,969 | 50,391 | 37,022 | 28,345 | 22,396 | 18,141 | 14,992 | 12,598 | 10,734 | 9,255 |
| 30Б3 | 1014,368 | 570,582 | 365,173 | 253,592 | 186,313 | 142,646 | 112,708 | 91,293 | 75,449 | 63,398 | 46,578 | 35,661 | 28,177 | 22,823 | 18,862 | 15,850 | 13,505 | 11,645 |
| 30Б4 | 1223,840 | 688,410 | 440,582 | 305,960 | 224,787 | 172,102 | 135,982 | 110,146 | 91,029 | 76,490 | 56,197 | 43,026 | 33,996 | 27,536 | 22,757 | 19,122 | 16,294 | 14,049 |
| 35Б1 | 1068,638 | 601,109 | 384,710 | 267,159 | 196,280 | 150,277 | 118,738 | 96,177 | 79,485 | 66,790 | 49,070 | 37,569 | 29,684 | 24,044 | 19,871 | 16,697 | 14,227 | 12,268 |
| 35Б2 | 1286,977 | 723,925 | 463,312 | 321,744 | 236,384 | 180,981 | 142,997 | 115,828 | 95,726 | 80,436 | 59,096 | 45,245 | 35,749 | 28,957 | 23,931 | 20,109 | 17,134 | 14,774 |
| 35Б3 | 1568,945 | 882,532 | 564,820 | 392,236 | 288,174 | 220,633 | 174,327 | 141,205 | 116,698 | 98,059 | 72,043 | 55,158 | 43,582 | 35,301 | 29,175 | 24,515 | 20,888 | 18,011 |
| 35Б4 | 1897,263 | 1067,211 | 683,015 | 474,316 | 348,477 | 266,803 | 210,807 | 170,754 | 141,119 | 118,579 | 87,119 | 66,701 | 52,702 | 42,688 | 35,280 | 29,645 | 25,259 | 21,780 |
| 40Б1 | 1679,235 | 944,570 | 604,525 | 419,809 | 308,431 | 236,142 | 186,582 | 151,131 | 124,902 | 104,952 | 77,108 | 59,036 | 46,645 | 37,783 | 31,225 | 26,238 | 22,357 | 19,277 |
| 40Б2 | 1962,291 | 1103,789 | 706,425 | 490,573 | 360,421 | 275,947 | 218,032 | 176,606 | 145,956 | 122,643 | 90,105 | 68,987 | 54,508 | 44,152 | 36,489 | 30,661 | 26,125 | 22,526 |
| 40Б3 | 2386,497 | 1342,404 | 859,139 | 596,624 | 438,336 | 335,601 | 265,166 | 214,785 | 177,508 | 149,156 | 109,584 | 83,900 | 66,292 | 53,696 | 44,377 | 37,289 | 31,773 | 27,396 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

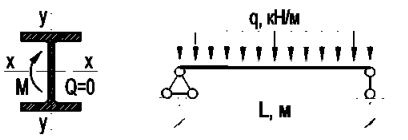
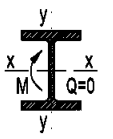


Таблица 6.4.3

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40Б4 | 2813,301 | 1582,482 | 1012,788 | 703,325 | 516,729 | 395,620 | 312,589 | 253,197 | 209,254 | 175,831 | 129,182 | 98,905 | 78,147 | 63,299 | 52,313 | 43,958 | 37,455 | 32,296 |
| 45Б1 | 2163,003 | 1216,689 | 778,681 | 540,751 | 397,286 | 304,172 | 240,334 | 194,670 | 160,884 | 135,188 | 99,322 | 76,043 | 60,083 | 48,668 | 40,221 | 33,797 | 28,797 | 24,830 |
| 45Б2 | 2492,339 | 1401,941 | 897,242 | 623,085 | 457,777 | 350,485 | 276,927 | 224,311 | 185,381 | 155,771 | 114,444 | 87,621 | 69,232 | 56,078 | 46,345 | 38,943 | 33,182 | 28,611 |
| 45Б3 | 2984,225 | 1678,626 | 1074,321 | 746,056 | 548,123 | 419,657 | 331,581 | 268,580 | 221,967 | 186,514 | 137,031 | 104,914 | 82,895 | 67,145 | 55,492 | 46,629 | 39,731 | 34,258 |
| 45Б4 | 3478,668 | 1956,751 | 1252,320 | 869,667 | 638,939 | 489,188 | 386,519 | 313,080 | 258,744 | 217,417 | 159,735 | 122,297 | 96,630 | 78,270 | 64,686 | 54,354 | 46,314 | 39,934 |
| 50Б1 | 2546,824 | 1432,588 | 916,857 | 636,706 | 467,784 | 358,147 | 282,980 | 229,214 | 189,433 | 159,176 | 116,946 | 89,537 | 70,745 | 57,304 | 47,358 | 39,794 | 33,907 | 29,236 |
| 50Б2 | 2848,791 | 1602,445 | 1025,565 | 712,198 | 523,247 | 400,611 | 316,532 | 256,391 | 211,894 | 178,049 | 130,812 | 100,153 | 79,133 | 64,098 | 52,973 | 44,512 | 37,928 | 32,703 |
| 50Б3 | 3223,675 | 1813,317 | 1160,523 | 805,919 | 592,104 | 453,329 | 358,186 | 290,131 | 239,777 | 201,480 | 148,026 | 113,332 | 89,547 | 72,533 | 59,944 | 50,370 | 42,919 | 37,006 |
| 50Б4 | 3963,290 | 2229,351 | 1426,785 | 990,823 | 727,951 | 557,338 | 440,366 | 356,696 | 294,790 | 247,706 | 181,988 | 139,334 | 110,091 | 89,174 | 73,698 | 61,926 | 52,766 | 45,497 |
| 50Б5 | 4674,093 | 2629,177 | 1682,673 | 1168,523 | 858,507 | 657,294 | 519,344 | 420,668 | 347,660 | 292,131 | 214,627 | 164,324 | 129,836 | 105,167 | 86,915 | 73,033 | 62,229 | 53,657 |
| 55Б1 | 3478,841 | 1956,848 | 1252,383 | 869,710 | 638,971 | 489,212 | 386,538 | 313,096 | 258,757 | 217,428 | 159,743 | 122,303 | 96,634 | 78,274 | 64,689 | 54,357 | 46,316 | 39,936 |
| 55Б2 | 3875,104 | 2179,746 | 1395,037 | 968,776 | 711,754 | 544,936 | 430,567 | 348,759 | 288,231 | 242,194 | 177,938 | 136,234 | 107,642 | 87,190 | 72,058 | 60,548 | 51,592 | 44,485 |
| 55Б3 | 4597,702 | 2586,207 | 1655,173 | 1149,425 | 844,476 | 646,552 | 510,856 | 413,793 | 341,978 | 287,356 | 211,119 | 161,638 | 127,714 | 103,448 | 85,494 | 71,839 | 61,212 | 52,780 |
| 55Б4 | 5286,073 | 2973,416 | 1902,986 | 1321,518 | 970,911 | 743,354 | 587,341 | 475,747 | 393,179 | 330,380 | 242,728 | 185,838 | 146,835 | 118,937 | 98,295 | 82,595 | 70,377 | 60,682 |
| 60Б1 | 3939,037 | 2215,708 | 1418,053 | 984,759 | 723,497 | 553,927 | 437,671 | 354,513 | 292,986 | 246,190 | 180,874 | 138,482 | 109,418 | 88,628 | 73,247 | 61,547 | 52,443 | 45,219 |
| 60Б2 | 4413,337 | 2482,502 | 1588,801 | 1103,334 | 810,613 | 620,625 | 490,371 | 397,200 | 328,265 | 275,834 | 202,653 | 155,156 | 122,593 | 99,300 | 82,066 | 68,958 | 58,757 | 50,663 |
| 60Б3 | 4943,071 | 2780,478 | 1779,506 | 1235,768 | 907,911 | 695,119 | 549,230 | 444,876 | 367,666 | 308,942 | 226,978 | 173,780 | 137,308 | 111,219 | 91,917 | 77,235 | 65,810 | 56,744 |
| 60Б4 | 5797,536 | 3261,114 | 2087,113 | 1449,384 | 1064,854 | 815,278 | 644,171 | 521,778 | 431,222 | 362,346 | 266,213 | 203,820 | 161,043 | 130,445 | 107,805 | 90,586 | 77,186 | 66,553 |
| 70Б1 | 6236,611 | 3508,093 | 2245,180 | 1559,153 | 1145,500 | 877,023 | 692,957 | 561,295 | 463,880 | 389,788 | 286,375 | 219,256 | 173,239 | 140,324 | 115,970 | 97,447 | 83,032 | 71,594 |
| 70Б2 | 7188,741 | 4043,667 | 2587,947 | 1797,185 | 1320,381 | 1010,917 | 798,749 | 646,987 | 534,700 | 449,296 | 330,095 | 252,729 | 199,687 | 161,747 | 133,675 | 112,324 | 95,708 | 82,524 |
| 70Б3 | 7911,224 | 4450,063 | 2848,041 | 1977,806 | 1453,082 | 1112,516 | 879,025 | 712,010 | 588,438 | 494,451 | 363,270 | 278,129 | 219,756 | 178,003 | 147,110 | 123,613 | 105,327 | 90,818 |
| 70Б4 | 9337,626 | 5252,414 | 3361,545 | 2334,406 | 1715,074 | 1313,104 | 1037,514 | 840,386 | 694,534 | 583,602 | 428,769 | 328,276 | 259,378 | 210,097 | 173,634 | 145,900 | 124,318 | 107,192 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 356,241 | 200,386 | 128,247 | 89,060 | 65,432 | 50,096 | 39,582 | 32,062 | 26,497 | 22,265 | 16,358 | 12,524 | 9,896 | 8,015 | 6,624 | 5,566 | 4,743 | 4,090 |
| 20Ш1 | 450,097 | 253,180 | 162,035 | 112,524 | 82,671 | 63,295 | 50,011 | 40,509 | 33,478 | 28,131 | 20,668 | 15,824 | 12,503 | 10,127 | 8,370 | 7,033 | 5,992 | 5,167 |
| 20Ш2 | 570,746 | 321,045 | 205,469 | 142,687 | 104,831 | 80,261 | 63,416 | 51,367 | 42,452 | 35,672 | 26,208 | 20,065 | 15,854 | 12,842 | 10,613 | 8,918 | 7,599 | 6,552 |
| 20Ш3 | 692,942 | 389,780 | 249,459 | 173,235 | 127,275 | 97,445 | 76,994 | 62,365 | 51,541 | 43,309 | 31,819 | 24,361 | 19,248 | 15,591 | 12,885 | 10,827 | 9,226 | 7,955 |
| 20Ш4 | 873,458 | 491,320 | 314,445 | 218,364 | 160,431 | 122,830 | 97,051 | 78,611 | 64,968 | 54,591 | 40,108 | 30,708 | 24,263 | 19,653 | 16,242 | 13,648 | 11,629 | 10,027 |
| 20Ш5 | 1030,506 | 579,660 | 370,982 | 257,626 | 189,277 | 144,915 | 114,501 | 92,746 | 76,649 | 64,407 | 47,319 | 36,229 | 28,625 | 23,186 | 19,162 | 16,102 | 13,720 | 11,830 |
| 20Ш6 | 1288,168 | 724,595 | 463,741 | 322,042 | 236,602 | 181,149 | 143,130 | 115,935 | 95,814 | 80,511 | 59,151 | 45,287 | 35,782 | 28,984 | 23,954 | 20,128 | 17,150 | 14,788 |
| 25Ш0 | 675,722 | 380,094 | 243,260 | 168,930 | 124,112 | 95,023 | 75,080 | 60,815 | 50,260 | 42,233 | 31,028 | 23,756 | 18,770 | 15,204 | 12,565 | 10,558 | 8,996 | 7,757 |
| 25Ш1 | 815,405 | 458,666 | 293,546 | 203,851 | 149,768 | 114,666 | 90,601 | 73,386 | 60,650 | 50,963 | 37,442 | 28,667 | 22,650 | 18,347 | 15,162 | 12,741 | 10,856 | 9,361 |
| 25Ш2 | 994,553 | 559,436 | 358,039 | 248,638 | 182,673 | 139,859 | 110,506 | 89,510 | 73,975 | 62,160 | 45,668 | 34,965 | 27,626 | 22,377 | 18,494 | 15,540 | 13,241 | 11,417 |
| 25Ш3 | 1244,836 | 700,220 | 448,141 | 311,209 | 228,643 | 175,055 | 138,315 | 112,035 | 92,591 | 77,802 | 57,161 | 43,764 | 34,579 | 28,009 | 23,148 | 19,451 | 16,573 | 14,290 |
| 25Ш4 | 1529,503 | 860,346 | 550,621 | 382,376 | 280,929 | 215,086 | 169,945 | 137,655 | 113,765 | 95,594 | 70,232 | 53,772 | 42,486 | 34,414 | 28,441 | 23,898 | 20,363 | 17,558 |
| 25Ш5 | 1903,224 | 1070,564 | 685,161 | 475,806 | 349,572 | 267,641 | 211,469 | 171,290 | 141,562 | 118,952 | 87,393 | 66,910 | 52,867 | 42,823 | 35,391 | 29,738 | 25,339 | 21,848 |
| 25Ш6 | 2295,343 | 1291,130 | 826,323 | 573,836 | 421,594 | 322,783 | 255,038 | 206,581 | 170,728 | 143,459 | 105,398 | 80,696 | 63,760 | 51,645 | 42,682 | 35,865 | 30,559 | 26,350 |
| 30Ш0 | 1062,418 | 597,610 | 382,471 | 265,605 | 195,138 | 149,403 | 118,046 | 95,618 | 79,023 | 66,401 | 48,785 | 37,351 | 29,512 | 23,904 | 19,756 | 16,600 | 14,145 | 12,196 |
| 30Ш1 | 1258,011 | 707,631 | 452,884 | 314,503 | 231,063 | 176,908 | 139,779 | 113,221 | 93,571 | 78,626 | 57,766 | 44,227 | 34,945 | 28,305 | 23,393 | 19,656 | 16,749 | 14,441 |
| 30Ш2 | 1539,401 | 865,913 | 554,184 | 384,850 | 282,747 | 216,478 | 171,045 | 138,546 | 114,501 | 96,213 | 70,687 | 54,120 | 42,761 | 34,637 | 28,625 | 24,053 | 20,495 | 17,672 |
| 30Ш3 | 1854,359 | 1043,077 | 667,569 | 463,590 | 340,597 | 260,769 | 206,040 | 166,892 | 137,928 | 115,897 | 85,149 | 65,192 | 51,510 | 41,723 | 34,482 | 28,974 | 24,688 | 21,287 |
| 30Ш4 | 2217,483 | 1247,334 | 798,294 | 554,371 | 407,293 | 311,834 | 246,387 | 199,574 | 164,937 | 138,593 | 101,823 | 77,958 | 61,597 | 49,893 | 41,234 | 34,648 | 29,523 | 25,456 |
| 30Ш5 | 2818,813 | 1585,583 | 1014,773 | 704,703 | 517,741 | 396,396 | 313,201 | 253,693 | 209,664 | 176,176 | 129,435 | 99,099 | 78,300 | 63,423 | 52,416 | 44,044 | 37,529 | 32,359 |
| 30Ш6 | 3546,123 | 1994,694 | 1276,604 | 886,531 | 651,329 | 498,673 | 394,014 | 319,151 | 263,761 | 221,633 | 162,832 | 124,668 | 98,503 | 79,788 | 65,940 | 55,408 | 47,212 | 40,708 |
| 35Ш1 | 1671,253 | 940,080 | 601,651 | 417,813 | 306,965 | 235,020 | 185,695 | 150,413 | 124,308 | 104,453 | 76,741 | 58,755 | 46,424 | 37,603 | 31,077 | 26,113 | 22,250 | 19,185 |
| 35Ш2 | 2071,700 | 1165,331 | 745,812 | 517,925 | 380,516 | 291,333 | 230,189 | 186,453 | 154,093 | 129,481 | 95,129 | 72,833 | 57,547 | 46,613 | 38,523 | 32,370 | 27,582 | 23,782 |
| 35Ш3 | 2575,610 | 1448,781 | 927,220 | 643,903 | 473,071 | 362,195 | 286,179 | 231,805 | 191,574 | 160,976 | 118,268 | 90,549 | 71,545 | 57,951 | 47,894 | 40,244 | 34,291 | 29,567 |
| 35Ш4 | 3014,828 | 1695,841 | 1085,338 | 753,707 | 553,744 | 423,960 | 334,981 | 271,335 | 224,243 | 188,427 | 138,436 | 105,990 | 83,745 | 67,834 | 56,061 | 47,107 | 40,138 | 34,609 |
| 35Ш5 | 3758,991 | 2114,433 | 1353,237 | 939,748 | 690,427 | 528,608 | 417,666 | 338,309 | 279,594 | 234,937 | 172,607 | 132,152 | 104,416 | 84,577 | 69,899 | 58,734 | 50,046 | 43,152 |
| 35Ш6 | 4509,167 | 2536,406 | 1623,300 | 1127,292 | 828,214 | 634,102 | 501,019 | 405,825 | 335,393 | 281,823 | 207,054 | 158,525 | 125,255 | 101,456 | 83,848 | 70,456 | 60,033 | 51,763 |
| 35Ш7 | 5641,565 | 3173,380 | 2030,963 | 1410,391 | 1036,206 | 793,345 | 626,841 | 507,741 | 419,621 | 352,598 | 259,051 | 198,336 | 156,710 | 126,935 | 104,905 | 88,149 | 75,110 | 64,763 |
| 40Ш1 | 2603,019 | 1464,198 | 937,087 | 650,755 | 478,105 | 366,050 | 289,224 | 234,272 | 193,613 | 162,689 | 119,526 | 91,512 | 72,306 | 58,568 | 48,403 | 40,672 | 34,656 | 29,882 |
| 40Ш2 | 3213,664 | 1807,686 | 1156,919 | 803,416 | 590,265 | 451,922 | 357,074 | 289,230 | 239,033 | 200,854 | 147,566 | 112,980 | 89,268 | 72,307 | 59,758 | 50,214 | 42,785 | 36,892 |
| 40Ш3 | 3902,366 | 2195,081 | 1404,852 | 975,592 | 716,761 | 548,770 | 433,596 | 351,213 | 290,259 | 243,898 | 179,190 | 137,193 | 108,399 | 87,803 | 72,565 | 60,974 | 51,955 | 44,798 |
| 40Ш4 | 4677,491 | 2631,089 | 1683,897 | 1169,373 | 859,131 | 657,772 | 519,721 | 420,974 | 347,913 | 292,343 | 214,783 | 164,443 | 129,930 | 105,244 | 86,978 | 73,086 | 62,274 | 53,696 |
| 40Ш5 | 5873,271 | 3303,715 | 2114,377 | 1468,318 | 1078,764 | 825,929 | 652,586 | 528,594 | 436,855 | 367,079 | 269,691 | 206,482 | 163,146 | 132,149 | 109,214 | 91,770 | 78,194 | 67,423 |
| 40Ш6 | 6900,305 | 3881,422 | 2484,110 | 1725,076 | 1267,403 | 970,355 | 766,701 | 621,027 | 513,246 | 431,269 | 316,851 | 242,589 | 191,675 | 155,257 | 128,311 | 107,817 | 91,868 | 79,213 |
| 40Ш7 | 8442,209 | 4748,743 | 3039,195 | 2110,552 | 1550,610 | 1187,186 | 938,023 | 759,799 | 627,933 | 527,638 | 387,652 | 296,796 | 234,506 | 189,950 | 156,983 | 131,910 | 112,396 | 96,913 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



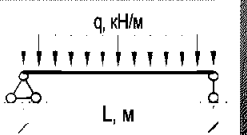
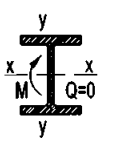



Таблица 6.4.3

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 45Ш0 | 3516,947 | 1978,283 | 1266,101 | 879,237 | 645,970 | 494,571 | 390,772 | 316,525 | 261,591 | 219,809 | 161,492 | 123,643 | 97,693 | 79,131 | 65,398 | 54,952 | 46,823 | 40,373 |
| 45Ш1 | 4144,299 | 2331,168 | 1491,948 | 1036,075 | 761,198 | 582,792 | 460,478 | 372,987 | 308,254 | 259,019 | 190,299 | 145,698 | 115,119 | 93,247 | 77,063 | 64,755 | 55,176 | 47,575 |
| 45Ш2 | 4728,852 | 2659,979 | 1702,387 | 1182,213 | 868,565 | 664,995 | 525,428 | 425,597 | 351,733 | 295,553 | 217,141 | 166,249 | 131,357 | 106,399 | 87,933 | 73,888 | 62,958 | 54,285 |
| 45Ш3 | 5416,613 | 3046,845 | 1949,981 | 1354,153 | 994,888 | 761,711 | 601,846 | 487,495 | 402,889 | 338,538 | 248,722 | 190,428 | 150,461 | 121,874 | 100,722 | 84,635 | 72,115 | 62,181 |
| 45Ш4 | 6764,461 | 3805,009 | 2435,206 | 1691,115 | 1242,452 | 951,252 | 751,607 | 608,801 | 503,142 | 422,779 | 310,613 | 237,813 | 187,902 | 152,200 | 125,785 | 105,695 | 90,059 | 77,653 |
| 45Ш5 | 7907,160 | 4447,778 | 2846,578 | 1976,790 | 1452,336 | 1111,944 | 878,573 | 711,644 | 588,136 | 494,198 | 363,084 | 277,986 | 219,643 | 177,911 | 147,034 | 123,549 | 105,273 | 90,771 |
| 45Ш6 | 9657,499 | 5432,343 | 3476,700 | 2414,375 | 1773,826 | 1358,086 | 1073,055 | 869,175 | 718,326 | 603,594 | 443,457 | 339,521 | 268,264 | 217,294 | 179,582 | 150,898 | 128,576 | 110,864 |
| 50Ш1 | 4134,315 | 2325,552 | 1488,353 | 1033,579 | 759,364 | 581,388 | 459,368 | 372,088 | 307,511 | 258,395 | 189,841 | 145,347 | 114,842 | 93,022 | 76,878 | 64,599 | 55,043 | 47,460 |
| 50Ш2 | 4918,007 | 2766,379 | 1770,483 | 1229,502 | 903,307 | 691,595 | 546,445 | 442,621 | 365,802 | 307,375 | 225,827 | 172,899 | 136,611 | 110,655 | 91,451 | 76,844 | 65,476 | 56,457 |
| 50Ш3 | 5470,540 | 3077,179 | 1969,395 | 1367,635 | 1004,793 | 769,295 | 607,838 | 492,349 | 406,900 | 341,909 | 251,198 | 192,324 | 151,959 | 123,087 | 101,725 | 85,477 | 72,833 | 62,800 |
| 50Ш4 | 6133,291 | 3449,976 | 2207,985 | 1533,323 | 1126,523 | 862,494 | 681,477 | 551,996 | 456,195 | 383,331 | 281,631 | 215,624 | 170,369 | 137,999 | 114,049 | 95,833 | 81,656 | 70,408 |
| 50Ш5 | 7242,493 | 4073,902 | 2607,298 | 1810,623 | 1330,254 | 1018,476 | 804,721 | 651,824 | 538,698 | 452,656 | 332,563 | 254,619 | 201,180 | 162,956 | 134,674 | 113,164 | 96,424 | 83,141 |
| 50Ш6 | 8439,782 | 4747,377 | 3038,322 | 2109,946 | 1550,164 | 1186,844 | 937,754 | 759,580 | 627,752 | 527,486 | 387,541 | 296,711 | 234,438 | 189,895 | 156,938 | 131,872 | 112,364 | 96,885 |
| 50Ш7 | 10197,845 | 5736,288 | 3671,224 | 2549,461 | 1873,074 | 1434,072 | 1133,094 | 917,806 | 758,517 | 637,365 | 468,268 | 358,518 | 283,273 | 229,452 | 189,629 | 159,341 | 135,770 | 117,067 |
| 50Ш8 | 12194,662 | 6859,497 | 4390,078 | 3048,666 | 2239,836 | 1714,874 | 1354,962 | 1097,520 | 907,041 | 762,166 | 559,959 | 428,719 | 338,741 | 274,380 | 226,760 | 190,542 | 162,355 | 139,990 |
| 60Ш1 | 5895,569 | 3316,257 | 2122,405 | 1473,892 | 1082,860 | 829,064 | 655,063 | 530,601 | 438,513 | 368,473 | 270,715 | 207,266 | 163,766 | 132,650 | 109,628 | 92,118 | 78,491 | 67,679 |
| 60Ш2 | 7038,414 | 3959,108 | 2533,829 | 1759,604 | 1292,770 | 989,777 | 782,046 | 633,457 | 523,518 | 439,901 | 323,193 | 247,444 | 195,512 | 158,364 | 130,880 | 109,975 | 93,707 | 80,798 |
| 60Ш3 | 8223,149 | 4625,521 | 2960,334 | 2055,787 | 1510,374 | 1156,380 | 913,683 | 740,083 | 611,639 | 513,947 | 377,594 | 289,095 | 228,421 | 185,021 | 152,910 | 128,487 | 109,480 | 94,398 |
| 60Ш4 | 9404,594 | 5290,084 | 3385,654 | 2351,149 | 1727,374 | 1322,521 | 1044,955 | 846,413 | 699,515 | 587,787 | 431,844 | 330,630 | 261,239 | 211,603 | 174,879 | 146,947 | 125,209 | 107,961 |
| 60Ш5 | 10843,832 | 6099,656 | 3903,780 | 2710,958 | 1991,724 | 1524,914 | 1204,870 | 975,945 | 806,566 | 677,740 | 497,931 | 381,228 | 301,218 | 243,986 | 201,642 | 169,435 | 144,371 | 124,483 |
| 60Ш6 | 13340,728 | 7504,160 | 4802,662 | 3335,182 | 2450,338 | 1876,040 | 1482,303 | 1200,666 | 992,286 | 833,796 | 612,584 | 469,010 | 370,576 | 300,166 | 248,071 | 208,449 | 177,613 | 153,146 |
| 60Ш7 | 15563,483 | 8754,459 | 5602,854 | 3890,871 | 2858,599 | 2188,615 | 1729,276 | 1400,713 | 1157,614 | 972,718 | 714,650 | 547,154 | 432,319 | 350,178 | 289,404 | 243,179 | 207,206 | 178,662 |
| 60Ш8 | 18664,514 | 10498,789 | 6719,225 | 4666,128 | 3428,176 | 2624,697 | 2073,835 | 1679,806 | 1388,270 | 1166,532 | 857,044 | 656,174 | 518,459 | 419,952 | 347,067 | 291,633 | 248,492 | 214,261 |
| 70Ш1 | 8375,471 | 4711,202 | 3015,170 | 2093,868 | 1538,352 | 1177,801 | 930,608 | 753,792 | 622,969 | 523,467 | 384,588 | 294,450 | 232,652 | 188,448 | 155,742 | 130,867 | 111,508 | 96,147 |
| 70Ш2 | 9351,933 | 5260,462 | 3366,696 | 2337,983 | 1717,702 | 1315,116 | 1039,104 | 841,674 | 695,598 | 584,496 | 429,425 | 328,779 | 259,776 | 210,418 | 173,900 | 146,124 | 124,508 | 107,356 |
| 70Ш3 | 11104,554 | 6246,311 | 3997,639 | 2776,138 | 2039,612 | 1561,578 | 1233,839 | 999,410 | 825,959 | 694,035 | 509,903 | 390,394 | 308,460 | 249,852 | 206,490 | 173,509 | 147,842 | 127,476 |
| 70Ш4 | 12333,411 | 6937,544 | 4440,028 | 3083,353 | 2265,320 | 1734,386 | 1370,379 | 1110,007 | 917,361 | 770,838 | 566,330 | 433,596 | 342,595 | 277,502 | 229,340 | 192,710 | 164,202 | 141,583 |
| 70Ш5 | 14107,575 | 7935,511 | 5078,727 | 3526,894 | 2591,187 | 1983,878 | 1567,508 | 1269,682 | 1049,324 | 881,723 | 647,797 | 495,969 | 391,877 | 317,420 | 262,331 | 220,431 | 187,823 | 161,949 |
| 70Ш6 | 17346,674 | 9757,504 | 6244,803 | 4336,669 | 3186,124 | 2439,376 | 1927,408 | 1561,201 | 1290,248 | 1084,167 | 796,531 | 609,844 | 481,852 | 390,300 | 322,562 | 271,042 | 230,947 | 199,133 |
| 70Ш7 | 20814,784 | 11708,316 | 7493,322 | 5203,696 | 3823,124 | 2927,079 | 2312,754 | 1873,331 | 1548,207 | 1300,924 | 955,781 | 731,770 | 578,188 | 468,333 | 387,052 | 325,231 | 277,120 | 238,945 |
| 70Ш8 | 25057,816 | 14095,021 | 9020,814 | 6264,454 | 4602,456 | 3523,755 | 2784,202 | 2255,203 | 1863,804 | 1566,113 | 1150,614 | 880,939 | 696,050 | 563,801 | 465,951 | 391,528 | 333,610 | 287,653 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | 298,958 | 168,164 | 107,625 | 74,740 | 54,911 | 42,041 | 33,218 | 26,906 | 22,237 | 18,685 | 13,728 | 10,510 | 8,304 | 6,727 | 5,559 | 4,671 | 3,980 | 3,432 |
| 15К2 | 351,431 | 197,680 | 126,515 | 87,858 | 64,549 | 49,420 | 39,048 | 31,629 | 26,139 | 21,964 | 16,137 | 12,355 | 9,762 | 7,907 | 6,535 | 5,491 | 4,679 | 4,034 |
| 15К3 | 438,057 | 246,407 | 157,701 | 109,514 | 80,460 | 61,602 | 48,673 | 39,425 | 32,583 | 27,379 | 20,115 | 15,400 | 12,168 | 9,856 | 8,146 | 6,845 | 5,832 | 5,029 |
| 15К4 | 526,199 | 295,987 | 189,431 | 131,550 | 96,649 | 73,997 | 58,467 | 47,358 | 39,139 | 32,887 | 24,162 | 18,499 | 14,617 | 11,839 | 9,785 | 8,222 | 7,006 | 6,041 |
| 15К5 | 634,879 | 357,120 | 228,557 | 158,720 | 116,611 | 89,280 | 70,542 | 57,139 | 47,222 | 39,680 | 29,153 | 22,320 | 17,636 | 14,285 | 11,806 | 9,920 | 8,453 | 7,288 |
| 20К1 | 628,782 | 353,690 | 226,362 | 157,195 | 115,491 | 88,422 | 69,865 | 56,590 | 46,769 | 39,299 | 28,873 | 22,106 | 17,466 | 14,148 | 11,692 | 9,825 | 8,371 | 7,218 |
| 20К2 | 756,256 | 425,394 | 272,252 | 189,064 | 138,904 | 106,348 | 84,028 | 68,063 | 56,250 | 47,266 | 34,726 | 26,587 | 21,007 | 17,016 | 14,063 | 11,816 | 10,068 | 8,682 |
| 20К3 | 879,042 | 494,461 | 316,455 | 219,761 | 161,457 | 123,615 | 97,671 | 79,114 | 65,383 | 54,940 | 40,364 | 30,904 | 24,418 | 19,778 | 16,346 | 13,735 | 11,703 | 10,091 |
| 20К4 | 1058,950 | 595,660 | 381,222 | 264,738 | 194,501 | 148,915 | 117,661 | 95,306 | 78,765 | 66,184 | 48,625 | 37,229 | 29,415 | 23,826 | 19,691 | 16,546 | 14,098 | 12,156 |
| 20К5 | 1190,668 | 669,751 | 428,641 | 297,667 | 218,694 | 167,438 | 132,296 | 107,160 | 88,562 | 74,417 | 54,674 | 41,859 | 33,074 | 26,790 | 22,141 | 18,604 | 15,852 | 13,668 |
| 20К6 | 1347,266 | 757,837 | 485,016 | 336,817 | 247,457 | 189,459 | 149,696 | 121,254 | 100,210 | 84,204 | 61,864 | 47,365 | 37,424 | 30,313 | 25,052 | 21,051 | 17,937 | 15,466 |
| 20К7 | 1539,436 | 865,933 | 554,197 | 384,859 | 282,754 | 216,483 | 171,048 | 138,549 | 114,504 | 96,215 | 70,688 | 54,121 | 42,762 | 34,637 | 28,626 | 24,054 | 20,495 | 17,672 |
| 20К8 | 1782,725 | 1002,783 | 641,781 | 445,681 | 327,439 | 250,696 | 198,081 | 160,445 | 132,599 | 111,420 | 81,860 | 62,674 | 49,520 | 40,111 | 33,150 | 27,855 | 23,734 | 20,465 |
| 25К1 | 1196,397 | 672,974 | 430,703 | 299,099 | 219,746 | 168,243 | 132,933 | 107,676 | 88,988 | 74,775 | 54,937 | 42,061 | 33,233 | 26,919 | 22,247 | 18,694 | 15,928 | 13,734 |
| 25К2 | 1387,800 | 780,637 | 499,608 | 346,950 | 254,902 | 195,159 | 154,200 | 124,902 | 103,225 | 86,737 | 63,726 | 48,790 | 38,550 | 31,225 | 25,806 | 21,684 | 18,477 | 15,931 |
| 25К3 | 1538,623 | 865,475 | 553,904 | 384,656 | 282,604 | 216,369 | 170,958 | 138,476 | 114,443 | 96,164 | 70,651 | 54,092 | 42,740 | 34,619 | 28,611 | 24,041 | 20,485 | 17,663 |
| 25К4 | 1733,099 | 974,868 | 623,916 | 433,275 | 318,324 | 243,717 | 192,567 | 155,979 | 128,908 | 108,319 | 79,581 | 60,929 | 48,142 | 38,995 | 32,227 | 27,080 | 23,074 | 19,895 |
| 25К5 | 1981,698 | 1114,705 | 713,411 | 495,424 | 363,985 | 278,676 | 220,189 | 178,353 | 147,399 | 123,856 | 90,996 | 69,669 | 55,047 | 44,588 | 36,850 | 30,964 | 26,384 | 22,749 |
| 25К6 | 2173,621 | 1222,662 | 782,504 | 543,405 | 399,237 | 305,665 | 241,513 | 195,626 | 161,674 | 135,851 | 99,809 | 76,416 | 60,378 | 48,906 | 40,419 | 33,963 | 28,939 | 24,952 |
| 25К7 | 2549,456 | 1434,069 | 917,804 | 637,364 | 468,267 | 358,517 | 283,273 | 229,451 | 189,629 | 159,341 | 117,067 | 89,629 | 70,818 | 57,363 | 47,407 | 39,835 | 33,942 | 29,267 |
| 25К8 | 2900,082 | 1631,296 | 1044,030 | 725,020 | 532,668 | 407,824 | 322,231 | 261,007 | 215,709 | 181,255 | 133,167 | 101,956 | 80,558 | 65,252 | 53,927 | 45,314 | 38,611 | 33,292 |
| 25К9 | 3178,295 | 1787,791 | 1144,186 | 794,574 | 583,769 | 446,948 | 353,144 | 286,047 | 236,402 | 198,643 | 145,942 | 111,737 | 88,286 | 71,512 | 59,101 | 49,661 | 42,315 | 36,486 |
| 25К10 | 3680,648 | 2070,364 | 1325,033 | 920,162 | 676,037 | 517,591 | 408,961 | 331,258 | 273,767 | 230,040 | 169,009 | 129,398 | 102,240 | 82,815 | 68,442 | 57,510 | 49,003 | 42,252 |
| 30К1 | 2027,660 | 1140,559 | 729,957 | 506,915 | 372,427 | 285,140 | 225,296 | 182,489 | 150,818 | 126,729 | 93,107 | 71,285 | 56,324 | 45,622 | 37,704 | 31,682 | 26,995 | 23,277 |
| 30К2 | 2184,377 | 1228,712 | 786,376 | 546,094 | 401,212 | 307,178 | 242,709 | 196,594 | 162,474 | 136,524 | 100,303 | 76,795 | 60,677 | 49,148 | 40,619 | 34,131 | 29,082 | 25,076 |
| 30К3 | 2340,141 | 1316,330 | 842,451 | 585,035 | 429,822 | 329,082 | 260,016 | 210,613 | 174,060 | 146,259 | 107,455 | 82,271 | 65,004 | 52,653 | 43,515 | 36,565 | 31,156 | 26,864 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



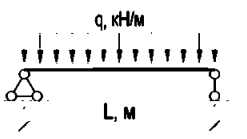



Таблица 6.4.3

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30К4 | 2465,357 | 1386,763 | 887,528 | 616,339 | 452,821 | 346,691 | 273,929 | 221,882 | 183,374 | 154,085 | 113,205 | 86,673 | 68,482 | 55,471 | 45,843 | 38,521 | 32,823 | 28,301 |
| 30К5 | 2740,439 | 1541,497 | 986,558 | 685,110 | 503,346 | 385,374 | 304,493 | 246,640 | 203,834 | 171,277 | 125,837 | 96,344 | 76,123 | 61,660 | 50,959 | 42,819 | 36,485 | 31,459 |
| 30К6 | 2954,150 | 1661,709 | 1063,494 | 738,538 | 542,599 | 415,427 | 328,239 | 265,874 | 219,730 | 184,634 | 135,650 | 103,857 | 82,060 | 66,468 | 54,933 | 46,159 | 39,330 | 33,912 |
| 30К7 | 3238,445 | 1821,625 | 1165,840 | 809,611 | 594,816 | 455,406 | 359,827 | 291,460 | 240,876 | 202,403 | 148,704 | 113,852 | 89,957 | 72,865 | 60,219 | 50,601 | 43,115 | 37,176 |
| 30К8 | 3741,831 | 2104,780 | 1347,059 | 935,458 | 687,275 | 526,195 | 415,759 | 336,765 | 278,318 | 233,864 | 171,819 | 131,549 | 103,940 | 84,191 | 69,579 | 58,466 | 49,817 | 42,955 |
| 30К9 | 4223,898 | 2375,943 | 1520,603 | 1055,974 | 775,818 | 593,986 | 469,322 | 380,151 | 314,174 | 263,994 | 193,954 | 148,496 | 117,330 | 95,038 | 78,544 | 65,998 | 56,235 | 48,489 |
| 30К10 | 4726,242 | 2658,511 | 1701,447 | 1181,560 | 868,085 | 664,628 | 525,138 | 425,362 | 351,539 | 295,390 | 217,021 | 166,157 | 131,284 | 106,340 | 87,885 | 73,848 | 62,923 | 54,255 |
| 30К11 | 5108,598 | 2873,586 | 1839,095 | 1277,149 | 938,314 | 718,397 | 567,622 | 459,774 | 379,978 | 319,287 | 234,578 | 179,599 | 141,905 | 114,943 | 94,995 | 79,822 | 68,014 | 58,645 |
| 30К12 | 5679,124 | 3194,507 | 2044,485 | 1419,781 | 1043,104 | 798,627 | 631,014 | 511,121 | 422,414 | 354,945 | 260,776 | 199,657 | 157,753 | 127,780 | 105,604 | 88,736 | 75,610 | 65,194 |
| 30К13 | 6399,930 | 3599,961 | 2303,975 | 1599,983 | 1175,497 | 899,990 | 711,103 | 575,994 | 476,028 | 399,996 | 293,874 | 224,998 | 177,776 | 143,998 | 119,007 | 99,999 | 85,206 | 73,469 |
| 30К14 | 7076,953 | 3980,786 | 2547,703 | 1769,238 | 1299,849 | 995,197 | 786,328 | 636,926 | 526,385 | 442,310 | 324,962 | 248,799 | 196,582 | 159,231 | 131,596 | 110,577 | 94,220 | 81,241 |
| 30К15 | 7785,436 | 4379,308 | 2802,757 | 1946,359 | 1429,978 | 1094,827 | 865,048 | 700,689 | 579,082 | 486,590 | 357,494 | 273,707 | 216,262 | 175,172 | 144,770 | 121,647 | 103,652 | 89,374 |
| 30К16 | 8656,289 | 4869,163 | 3116,264 | 2164,072 | 1589,931 | 1217,291 | 961,810 | 779,066 | 643,856 | 541,018 | 397,483 | 304,323 | 240,452 | 194,767 | 160,964 | 135,255 | 115,246 | 99,371 |
| 30К17 | 9541,547 | 5367,120 | 3434,957 | 2385,387 | 1752,529 | 1341,780 | 1060,172 | 858,739 | 709,702 | 596,347 | 438,132 | 335,445 | 265,043 | 214,685 | 177,425 | 149,087 | 127,032 | 109,533 |
| 30К18 | 10600,828 | 5962,966 | 3816,298 | 2650,207 | 1947,091 | 1490,741 | 1177,870 | 954,075 | 788,491 | 662,552 | 486,773 | 372,685 | 294,467 | 238,519 | 197,123 | 165,638 | 141,135 | 121,693 |
| 30К19 | 11960,253 | 6727,642 | 4305,691 | 2990,063 | 2196,781 | 1681,911 | 1328,917 | 1076,423 | 889,606 | 747,516 | 549,195 | 420,478 | 332,229 | 269,106 | 222,401 | 186,879 | 159,234 | 137,299 |
| 30К20 | 13318,447 | 7491,627 | 4794,641 | 3329,612 | 2446,245 | 1872,907 | 1479,827 | 1198,660 | 990,628 | 832,403 | 611,561 | 468,227 | 369,957 | 299,665 | 247,657 | 208,101 | 177,317 | 152,890 |
| 30К21 | 14360,556 | 8077,813 | 5169,800 | 3590,139 | 2637,653 | 2019,453 | 1595,617 | 1292,450 | 1068,141 | 897,535 | 659,413 | 504,863 | 398,904 | 323,113 | 267,035 | 224,384 | 191,191 | 164,853 |
| 35К1 | 2933,049 | 1649,840 | 1055,898 | 733,262 | 538,723 | 412,460 | 325,894 | 263,974 | 218,161 | 183,316 | 134,681 | 103,115 | 81,474 | 65,994 | 54,540 | 45,829 | 39,049 | 33,670 |
| 35К1,5 | 3308,013 | 1860,757 | 1190,885 | 827,003 | 607,594 | 465,189 | 367,557 | 297,721 | 246,051 | 206,751 | 151,899 | 116,297 | 91,889 | 74,430 | 61,513 | 51,688 | 44,042 | 37,975 |
| 35К2 | 3684,875 | 2072,742 | 1326,555 | 921,219 | 676,814 | 518,186 | 409,431 | 331,639 | 274,082 | 230,305 | 169,203 | 129,546 | 102,358 | 82,910 | 68,520 | 57,576 | 49,059 | 42,301 |
| 35К3 | 4069,427 | 2289,053 | 1464,994 | 1017,357 | 747,446 | 572,263 | 452,159 | 366,248 | 302,685 | 254,339 | 186,861 | 143,066 | 113,040 | 91,562 | 75,671 | 63,585 | 54,179 | 46,715 |
| 35К4 | 4542,643 | 2555,236 | 1635,351 | 1135,661 | 834,363 | 638,809 | 504,738 | 408,838 | 337,883 | 283,915 | 208,591 | 159,702 | 126,185 | 102,209 | 84,471 | 70,979 | 60,479 | 52,148 |
| 35К5 | 5018,982 | 2823,178 | 1806,834 | 1254,746 | 921,854 | 705,794 | 557,665 | 451,708 | 373,313 | 313,686 | 230,463 | 176,449 | 139,416 | 112,927 | 93,328 | 78,422 | 66,821 | 57,616 |
| 35К6 | 5495,649 | 3091,303 | 1978,434 | 1373,912 | 1009,405 | 772,826 | 610,628 | 494,608 | 408,767 | 343,478 | 252,351 | 193,206 | 152,657 | 123,652 | 102,192 | 85,870 | 73,167 | 63,088 |
| 35К7 | 6025,509 | 3389,349 | 2169,183 | 1506,377 | 1106,726 | 847,337 | 669,501 | 542,296 | 448,178 | 376,594 | 276,682 | 211,834 | 167,375 | 135,574 | 112,045 | 94,149 | 80,221 | 69,170 |
| 35К8 | 6609,234 | 3717,694 | 2379,324 | 1652,308 | 1213,941 | 929,423 | 734,359 | 594,831 | 491,596 | 413,077 | 303,485 | 232,356 | 183,590 | 148,708 | 122,899 | 103,269 | 87,993 | 75,871 |
| 35К9 | 7281,381 | 4095,777 | 2621,297 | 1820,345 | 1337,396 | 1023,944 | 809,042 | 655,324 | 541,590 | 455,086 | 334,349 | 255,986 | 202,261 | 163,831 | 135,398 | 113,772 | 96,941 | 83,587 |
| 35К10 | 7977,830 | 4487,530 | 2872,019 | 1994,458 | 1465,316 | 1121,882 | 886,426 | 718,005 | 593,392 | 498,614 | 366,329 | 280,471 | 221,606 | 179,501 | 148,348 | 124,654 | 106,214 | 91,582 |
| 35К11 | 8955,614 | 5037,533 | 3224,021 | 2238,904 | 1644,909 | 1259,383 | 995,068 | 806,005 | 666,120 | 559,726 | 411,227 | 314,846 | 248,767 | 201,501 | 166,530 | 139,931 | 119,232 | 102,807 |
| 35К12 | 9964,599 | 5605,087 | 3587,256 | 2491,150 | 1830,233 | 1401,272 | 1107,178 | 896,814 | 741,169 | 622,787 | 457,558 | 350,318 | 276,794 | 224,203 | 185,292 | 155,697 | 132,665 | 114,390 |
| 35К13 | 10987,366 | 6180,393 | 3955,452 | 2746,841 | 2018,088 | 1545,098 | 1220,818 | 988,863 | 817,242 | 686,710 | 504,522 | 386,275 | 305,205 | 247,216 | 204,311 | 171,678 | 146,281 | 126,130 |
| 35К14 | 12024,667 | 6763,875 | 4328,880 | 3006,167 | 2208,612 | 1690,969 | 1336,074 | 1082,220 | 894,397 | 751,542 | 552,153 | 422,742 | 334,019 | 270,555 | 223,599 | 187,885 | 160,092 | 138,038 |
| 35К15 | 13297,155 | 7479,649 | 4786,976 | 3324,289 | 2442,335 | 1869,912 | 1477,462 | 1196,744 | 989,045 | 831,072 | 610,584 | 467,478 | 369,365 | 299,186 | 247,261 | 207,768 | 177,033 | 152,646 |
| 35К16 | 15034,680 | 8457,008 | 5412,485 | 3758,670 | 2761,472 | 2114,252 | 1670,520 | 1353,121 | 1118,282 | 939,668 | 690,368 | 528,563 | 417,630 | 338,280 | 279,570 | 234,917 | 200,166 | 172,592 |
| 35К17 | 16589,866 | 9331,800 | 5972,352 | 4147,466 | 3047,118 | 2332,950 | 1843,318 | 1493,088 | 1233,957 | 1036,867 | 761,780 | 583,237 | 460,830 | 373,272 | 308,489 | 259,217 | 220,871 | 190,445 |
| 35К18 | 17517,461 | 9853,572 | 6306,286 | 4379,365 | 3217,493 | 2463,393 | 1946,385 | 1576,572 | 1302,952 | 1094,841 | 804,373 | 615,848 | 486,596 | 394,143 | 325,738 | 273,710 | 233,221 | 201,093 |
| 35К19 | 19493,965 | 10965,355 | 7017,827 | 4873,491 | 3580,524 | 2741,839 | 2165,996 | 1754,457 | 1449,964 | 1218,373 | 895,131 | 685,335 | 541,499 | 438,614 | 362,491 | 304,593 | 259,535 | 223,783 |
| 35К20 | 20620,518 | 11599,042 | 7423,387 | 5155,130 | 3787,442 | 2899,760 | 2291,169 | 1855,847 | 1533,758 | 1288,782 | 946,861 | 724,940 | 572,792 | 463,962 | 383,439 | 322,196 | 274,534 | 236,715 |
| 35К21 | 22931,834 | 12899,157 | 8255,460 | 5732,959 | 4211,970 | 3224,789 | 2547,982 | 2063,865 | 1705,674 | 1433,240 | 1052,992 | 806,197 | 636,995 | 515,966 | 426,418 | 358,310 | 305,305 | 263,248 |
| 35К22 | 25532,799 | 14362,200 | 9191,808 | 6383,200 | 4689,698 | 3590,550 | 2836,978 | 2297,952 | 1899,134 | 1595,800 | 1172,424 | 897,637 | 709,244 | 574,488 | 474,783 | 398,950 | 339,934 | 293,106 |
| 35К23 | 28484,613 | 16022,695 | 10254,461 | 7121,153 | 5231,868 | 4005,649 | 3164,957 | 2563,615 | 2118,690 | 1780,288 | 1307,967 | 1001,412 | 791,239 | 640,904 | 529,673 | 445,072 | 379,233 | 326,992 |
| 35К24 | 31759,105 | 17864,497 | 11433,278 | 7939,776 | 5833,305 | 4466,124 | 3528,789 | 2858,319 | 2362,247 | 1984,944 | 1458,326 | 1116,531 | 882,197 | 714,580 | 590,562 | 496,236 | 422,828 | 364,582 |
| 40К1 | 4555,421 | 2562,424 | 1639,952 | 1138,855 | 836,710 | 640,606 | 506,158 | 409,988 | 338,833 | 284,714 | 209,177 | 160,152 | 126,539 | 102,497 | 84,708 | 71,178 | 60,649 | 52,294 |
| 40К2 | 5202,692 | 2926,514 | 1872,969 | 1300,673 | 955,597 | 731,629 | 578,077 | 468,242 | 386,977 | 325,168 | 238,899 | 182,907 | 144,519 | 117,061 | 96,744 | 81,292 | 69,267 | 59,725 |
| 40К3 | 6024,251 | 3388,641 | 2168,730 | 1506,063 | 1106,495 | 847,160 | 669,361 | 542,183 | 448,085 | 376,516 | 276,624 | 211,790 | 167,340 | 135,546 | 112,021 | 94,129 | 80,205 | 69,156 |
| 40К4 | 7008,767 | 3942,432 | 2523,156 | 1752,192 | 1287,325 | 985,608 | 778,752 | 630,789 | 521,313 | 438,048 | 321,831 | 246,402 | 194,688 | 157,697 | 130,328 | 109,512 | 93,312 | 80,458 |
| 40К4,5 | 7536,665 | 4239,374 | 2713,199 | 1884,166 | 1384,285 | 1059,843 | 837,407 | 678,300 | 560,578 | 471,042 | 346,071 | 264,961 | 209,352 | 169,575 | 140,145 | 117,760 | 100,340 | 86,518 |
| 40К5 | 8569,781 | 4820,502 | 3085,121 | 2142,445 | 1574,041 | 1205,125 | 952,198 | 771,280 | 637,422 | 535,611 | 393,510 | 301,281 | 238,049 | 192,820 | 159,355 | 133,903 | 114,095 | 98,378 |
| 40К6 | 8980,091 | 5051,301 | 3232,833 | 2245,023 | 1649,404 | 1262,825 | 997,788 | 808,208 | 667,941 | 561,256 | 412,351 | 315,706 | 249,447 | 202,052 | 166,985 | 140,314 | 119,557 | 103,088 |
| 40К7 | 10120,645 | 5692,863 | 3643,432 | 2530,161 | 1858,894 | 1423,216 | 1124,516 | 910,858 | 752,775 | 632,540 | 464,724 | 355,804 | 281,129 | 227,715 | 188,194 | 158,135 | 134,742 | 116,181 |
| 40К8 | 11273,268 | 6341,214 | 4058,377 | 2818,317 | 2070,600 | 1585,303 | 1252,585 | 1014,594 | 838,508 | 704,579 | 517,650 | 396,326 | 313,146 | 253,649 | 209,627 | 176,145 | 150,088 | 129,413 |
| 40К9 | 12684,347 | 7134,945 | 4566,365 | 3171,087 | 2329,778 | 1783,736 | 1409,372 | 1141,591 | 943,464 | 792,772 | 582,444 | 445,934 | 352,343 | 285,398 | 235,866 | 198,193 | 168,874 | 145,611 |
| 40К10 | 14320,162 | 8055,091 | 5155,258 | 3580,040 | 2630,234 | 2013,773 | 1591,129 | 1288,815 | 1065,136 | 895,010 | 657,558 | 503,443 | 397,782 | 322,204 | 266,284 | 223,753 | 190,653 | 164,390 |
| 40К11 | 16183,056 | 9102,969 | 5825,900 | 4045,764 | 2972,398 | 2275,742 | 1798,117 | 1456,475 | 1203,698 | 1011,441 | 743,100 | 568,936 | 449,529 | 364,119 | 300,925 | 252,860 | 215,455 | 185,775 |
| 40К12 | 18197,601 | 10236,150 | 6551,136 | 4549,400 | 3342,416 | 2559,038 | 2021,956 | 1637,784 | 1353,541 | 1137,350 | 835,604 | 639,759 | 505,489 | 409,446 | 338,385 | 284,338 | 242,276 | 208,901 |
| 40К13 | 19478,499 | 10956,656 | 7012,260 | 4869,625 | 3577,684 | 2739,164 | 2164,278 | 1753,065 | 1448,814 | 1217,406 | 894,421 | 684,791 | 541,069 | 438,266 | 362,203 | 304,352 | 259,329 | 223,605 |
| 40К14 | 21956,179 | 12350,350 | 7904,224 | 5489,045 | 4032,767 | 3087,588 | 2439,575 | 1976,056 | 1633,104 | 1372,261 | 1008,192 | 771,897 | 609,894 | 494,014 | 408,276 | 343,065 | 292,316 | 252,048 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией

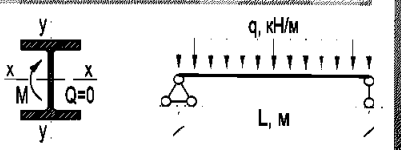


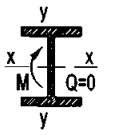
Таблица 6.4.3

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40К15 | 23525,653 | 13233,180 | 8469,235 | 5881,413 | 4321,038 | 3308,295 | 2613,961 | 2117,309 | 1749,842 | 1470,353 | 1080,260 | 827,074 | 653,490 | 529,327 | 437,460 | 367,588 | 313,211 | 270,065 |
| 40К16 | 26614,616 | 14970,721 | 9581,262 | 6653,654 | 4888,399 | 3742,680 | 2957,180 | 2395,315 | 1979,600 | 1663,413 | 1222,100 | 935,670 | 739,295 | 598,829 | 494,900 | 415,853 | 354,337 | 305,525 |
| 40К17 | 30323,256 | 17056,831 | 10916,372 | 7580,814 | 5569,578 | 4264,208 | 3369,251 | 2729,093 | 2255,449 | 1895,203 | 1392,394 | 1066,052 | 842,313 | 682,273 | 563,862 | 473,801 | 403,712 | 348,099 |
| 40К18 | 34407,525 | 19354,233 | 12386,709 | 8601,881 | 6319,750 | 4838,558 | 3823,058 | 3096,677 | 2559,237 | 2150,470 | 1579,937 | 1209,640 | 955,765 | 774,169 | 639,809 | 537,618 | 458,088 | 394,984 |
| 40К19 | 39047,205 | 21964,053 | 14056,994 | 9761,801 | 7171,936 | 5491,013 | 4338,578 | 3514,248 | 2904,338 | 2440,450 | 1792,984 | 1372,753 | 1084,645 | 878,562 | 726,084 | 610,113 | 519,859 | 448,246 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 226,291 | 127,289 | 81,465 | 56,573 | 41,564 | 31,822 | 25,143 | 20,366 | 16,832 | 14,143 | 10,391 | 7,956 | 6,286 | 5,092 | 4,208 | 3,536 | 3,013 | 2,598 |
| 20С1 | 811,376 | 456,399 | 292,095 | 202,844 | 149,028 | 114,100 | 90,153 | 73,024 | 60,350 | 50,711 | 37,257 | 28,525 | 22,538 | 18,256 | 15,088 | 12,678 | 10,802 | 9,314 |
| 25С1 | 1173,882 | 660,309 | 422,598 | 293,471 | 215,611 | 165,077 | 130,431 | 105,649 | 87,314 | 73,368 | 53,903 | 41,269 | 32,608 | 26,412 | 21,828 | 18,342 | 15,629 | 13,476 |
| 25С2 | 1496,648 | 841,864 | 538,793 | 374,162 | 274,894 | 210,466 | 166,294 | 134,698 | 111,321 | 93,540 | 68,724 | 52,617 | 41,574 | 33,675 | 27,830 | 23,385 | 19,926 | 17,181 |
| 30С1 | 1870,644 | 1052,237 | 673,432 | 467,661 | 343,588 | 263,059 | 207,849 | 168,358 | 139,139 | 116,915 | 85,897 | 65,765 | 51,962 | 42,089 | 34,785 | 29,229 | 24,905 | 21,474 |
| 30С2 | 2340,141 | 1316,330 | 842,451 | 585,035 | 429,822 | 329,082 | 260,016 | 210,613 | 174,060 | 146,259 | 107,455 | 82,271 | 65,004 | 52,653 | 43,515 | 36,565 | 31,156 | 26,864 |
| 32С1 | 3990,622 | 2244,725 | 1436,624 | 997,655 | 732,971 | 561,181 | 443,402 | 359,156 | 296,823 | 249,414 | 183,243 | 140,295 | 110,851 | 89,789 | 74,206 | 62,353 | 53,130 | 45,811 |
| 32С2 | 4840,928 | 2723,022 | 1742,734 | 1210,232 | 889,150 | 680,755 | 537,881 | 435,683 | 360,069 | 302,558 | 222,287 | 170,189 | 134,470 | 108,921 | 90,017 | 75,639 | 64,450 | 55,572 |
| 35С1 | 2719,300 | 1529,606 | 978,948 | 679,825 | 499,463 | 382,401 | 302,144 | 244,737 | 202,262 | 169,956 | 124,866 | 95,600 | 75,536 | 61,184 | 50,565 | 42,489 | 36,204 | 31,216 |
| 35С2 | 3347,805 | 1883,140 | 1205,210 | 836,951 | 614,903 | 470,785 | 371,978 | 301,302 | 249,010 | 209,238 | 153,726 | 117,696 | 92,995 | 75,326 | 62,253 | 52,309 | 44,571 | 38,431 |
| 35С3 | 3984,606 | 2241,341 | 1434,458 | 996,151 | 731,866 | 560,335 | 442,734 | 358,615 | 296,376 | 249,038 | 182,967 | 140,084 | 110,683 | 89,654 | 74,094 | 62,259 | 53,049 | 45,742 |
| 40С1 | 4114,974 | 2314,673 | 1481,391 | 1028,744 | 755,812 | 578,668 | 457,219 | 370,348 | 306,072 | 257,186 | 188,953 | 144,667 | 114,305 | 92,587 | 76,518 | 64,296 | 54,785 | 47,238 |
| 40С2 | 4940,521 | 2779,043 | 1778,588 | 1235,130 | 907,443 | 694,761 | 548,947 | 444,647 | 367,477 | 308,783 | 226,861 | 173,690 | 137,237 | 111,162 | 91,869 | 77,196 | 65,776 | 56,715 |
| 40С3 | 5641,461 | 3173,322 | 2030,926 | 1410,365 | 1036,187 | 793,330 | 626,829 | 507,731 | 419,613 | 352,591 | 259,047 | 198,333 | 156,707 | 126,933 | 104,903 | 88,148 | 75,108 | 64,762 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 407,687 | 229,324 | 146,767 | 101,922 | 74,881 | 57,331 | 45,299 | 36,692 | 30,324 | 25,480 | 18,720 | 14,333 | 11,325 | 9,173 | 7,581 | 6,370 | 5,428 | 4,680 |
| 20ДБ2 | 487,078 | 273,981 | 175,348 | 121,770 | 89,463 | 68,495 | 54,120 | 43,837 | 36,229 | 30,442 | 22,366 | 17,124 | 13,530 | 10,959 | 9,057 | 7,611 | 6,485 | 5,591 |
| 25ДБ1 | 580,001 | 326,251 | 208,800 | 145,000 | 106,531 | 81,563 | 64,445 | 52,200 | 43,141 | 36,250 | 26,633 | 20,391 | 16,111 | 13,050 | 10,785 | 9,063 | 7,722 | 6,658 |
| 25ДБ2 | 706,136 | 397,201 | 254,209 | 176,534 | 129,698 | 99,300 | 78,460 | 63,552 | 52,523 | 44,133 | 32,425 | 24,825 | 19,615 | 15,888 | 13,131 | 11,033 | 9,401 | 8,106 |
| 25ДБ3 | 822,229 | 462,504 | 296,003 | 205,557 | 151,022 | 115,626 | 91,359 | 74,001 | 61,158 | 51,389 | 37,755 | 28,906 | 22,840 | 18,500 | 15,289 | 12,847 | 10,947 | 9,439 |
| 25ДБ4 | 625,161 | 351,653 | 225,058 | 156,290 | 114,825 | 87,913 | 69,462 | 56,264 | 46,500 | 39,073 | 28,706 | 21,978 | 17,366 | 14,066 | 11,625 | 9,768 | 8,323 | 7,177 |
| 25ДБ5 | 749,364 | 421,517 | 269,771 | 187,341 | 137,638 | 105,379 | 83,263 | 67,443 | 55,738 | 46,835 | 34,410 | 26,345 | 20,816 | 16,861 | 13,934 | 11,709 | 9,977 | 8,602 |
| 25ДБ6 | 872,887 | 490,999 | 314,239 | 218,222 | 160,326 | 122,750 | 96,987 | 78,560 | 64,925 | 54,555 | 40,082 | 30,687 | 24,247 | 19,640 | 16,231 | 13,639 | 11,621 | 10,020 |

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30ДБ1 | 600,328 | 337,685 | 216,118 | 150,082 | 110,264 | 84,421 | 66,703 | 54,030 | 44,653 | 37,521 | 27,566 | 21,105 | 16,676 | 13,507 | 11,163 | 9,380 | 7,993 | 6,892 |
| 30ДБ2 | 706,180 | 397,226 | 254,225 | 176,545 | 129,706 | 99,307 | 78,464 | 63,556 | 52,526 | 44,136 | 32,427 | 24,827 | 19,616 | 15,889 | 13,131 | 11,034 | 9,402 | 8,107 |
| 30ДБ3 | 906,127 | 509,697 | 326,206 | 226,532 | 166,432 | 127,424 | 100,681 | 81,551 | 67,398 | 56,633 | 41,608 | 31,856 | 25,170 | 20,388 | 16,849 | 14,158 | 12,064 | 10,402 |
| 30ДБ4 | 1044,239 | 587,384 | 375,926 | 261,060 | 191,799 | 146,846 | 116,027 | 93,981 | 77,671 | 65,265 | 47,950 | 36,712 | 29,007 | 23,495 | 19,418 | 16,316 | 13,903 | 11,987 |
| 30ДБ5 | 1225,677 | 689,443 | 441,244 | 306,419 | 225,124 | 172,361 | 136,186 | 110,311 | 91,166 | 76,605 | 56,281 | 43,090 | 34,047 | 27,578 | 22,792 | 19,151 | 16,318 | 14,070 |
| 30ДБ6 | 917,565 | 516,130 | 330,323 | 229,391 | 168,532 | 129,033 | 101,952 | 82,581 | 68,249 | 57,348 | 42,133 | 32,258 | 25,488 | 20,645 | 17,062 | 14,337 | 12,216 | 10,533 |
| 30ДБ7 | 1055,372 | 593,647 | 379,934 | 263,843 | 193,844 | 148,412 | 117,264 | 94,983 | 78,499 | 65,961 | 48,461 | 37,103 | 29,316 | 23,746 | 19,625 | 16,490 | 14,051 | 12,115 |
| 30ДБ8 | 1231,966 | 692,981 | 443,508 | 307,991 | 226,279 | 173,245 | 136,885 | 110,877 | 91,634 | 76,998 | 56,570 | 43,311 | 34,221 | 27,719 | 22,908 | 19,249 | 16,402 | 14,142 |
| 35ДБ1 | 806,924 | 453,895 | 290,493 | 201,731 | 148,211 | 113,474 | 89,658 | 72,623 | 60,019 | 50,433 | 37,053 | 28,368 | 22,415 | 18,156 | 15,005 | 12,608 | 10,743 | 9,263 |
| 35ДБ2 | 981,495 | 552,091 | 353,338 | 245,374 | 180,275 | 138,023 | 109,055 | 88,335 | 73,004 | 61,343 | 45,069 | 34,506 | 27,264 | 22,084 | 18,251 | 15,336 | 13,067 | 11,267 |
| 35ДБ3 | 1159,373 | 652,147 | 417,374 | 289,843 | 212,946 | 163,037 | 128,819 | 104,344 | 86,234 | 72,461 | 53,237 | 40,759 | 32,205 | 26,086 | 21,559 | 18,115 | 15,435 | 13,309 |
| 35ДБ4 | 1323,001 | 744,188 | 476,281 | 330,750 | 243,000 | 186,047 | 147,000 | 119,070 | 98,405 | 82,688 | 60,750 | 46,512 | 36,750 | 29,768 | 24,601 | 20,672 | 17,614 | 15,188 |
| 35ДБ5 | 1486,335 | 836,064 | 535,081 | 371,584 | 273,000 | 209,016 | 165,148 | 133,770 | 110,554 | 92,896 | 68,250 | 52,254 | 41,287 | 33,443 | 27,638 | 23,224 | 19,788 | 17,063 |
| 35ДБ6 | 1768,579 | 994,826 | 636,688 | 442,145 | 324,841 | 248,706 | 196,509 | 159,172 | 131,547 | 110,536 | 81,210 | 62,177 | 49,127 | 39,793 | 32,887 | 27,634 | 23,546 | 20,303 |
| 35ДБ7 | 2454,193 | 1380,484 | 883,509 | 613,548 | 450,770 | 345,121 | 272,688 | 220,877 | 182,543 | 153,387 | 112,693 | 86,280 | 68,172 | 55,219 | 45,636 | 38,347 | 32,674 | 28,173 |
| 35ДБ8 | 2738,729 | 1540,535 | 985,942 | 684,682 | 503,032 | 385,134 | 304,303 | 246,486 | 203,707 | 171,171 | 125,758 | 96,283 | 76,076 | 61,621 | 50,927 | 42,793 | 36,462 | 31,439 |
| 35ДБ9 | 2979,762 | 1676,116 | 1072,714 | 744,941 | 547,303 | 419,029 | 331,085 | 268,179 | 221,635 | 186,235 | 136,826 | 104,757 | 82,771 | 67,045 | 55,409 | 46,559 | 39,671 | 34,206 |
| 35ДБ10 | 3191,177 | 1795,037 | 1148,824 | 797,794 | 586,135 | 448,759 | 354,575 | 287,206 | 237,360 | 199,449 | 146,534 | 112,190 | 88,644 | 71,801 | 59,340 | 49,862 | 42,486 | 36,633 |
| 40ДБ1 | 1085,861 | 610,797 | 390,910 | 271,465 | 199,444 | 152,699 | 120,651 | 97,727 | 80,766 | 67,866 | 49,861 | 38,175 | 30,163 | 24,432 | 20,192 | 16,967 | 14,457 | 12,465 |
| 40ДБ2 | 1312,677 | 738,381 | 472,564 | 328,169 | 241,104 | 184,595 | 145,853 | 118,141 | 97,637 | 82,042 | 60,276 | 46,149 | 36,463 | 29,535 | 24,409 | 20,511 | 17,476 | 15,069 |
| 40ДБ3 | 1557,183 | 875,916 | 560,586 | 389,296 | 286,013 | 218,979 | 173,020 | 140,146 | 115,824 | 97,324 | 71,503 | 54,745 | 43,255 | 35,037 | 28,956 | 24,331 | 20,732 | 17,876 |
| 40ДБ4 | 1771,734 | 996,600 | 637,824 | 442,933 | 325,420 | 249,150 | 196,859 | 159,456 | 131,782 | 110,733 | 81,355 | 62,288 | 49,215 | 39,864 | 32,945 | 27,683 | 23,588 | 20,339 |
| 40ДБ5 | 2002,244 | 1126,262 | 720,808 | 500,561 | 367,759 | 281,566 | 222,472 | 180,202 | 148,927 | 125,140 | 91,940 | 70,391 | 55,618 | 45,050 | 37,232 | 31,285 | 26,657 | 22,985 |
| 40ДБ6 | 2223,147 | 1250,520 | 800,333 | 555,787 | 408,333 | 312,630 | 247,016 | 200,083 | 165,358 | 138,947 | 102,083 | 78,158 | 61,754 | 50,021 | 41,340 | 34,737 | 29,598 | 25,521 |
| 40ДБ7 | 2522,104 | 1418,684 | 907,958 | 630,526 | 463,244 | 354,671 | 280,234 | 226,989 | 187,595 | 157,632 | 115,811 | 88,668 | 70,058 | 56,747 | 46,899 | 39,408 | 33,578 | 28,953 |
| 45ДБ1 | 1614,146 | 907,957 | 581,092 | 403,536 | 296,476 | 226,989 | 179,350 | 145,273 | 120,060 | 100,884 | 74,119 | 56,747 | 44,837 | 36,318 | 30,015 | 25,221 | 21,490 | 18,530 |
| 45ДБ2 | 1903,313 | 1070,614 | 685,193 | 475,828 | 349,588 | 267,653 | 211,479 | 171,298 | 141,569 | 118,957 | 87,397 | 66,913 | 52,870 | 42,825 | 35,392 | 29,739 | 25,340 | 21,849 |
| 45ДБ3 | 2194,466 | 1234,387 | 790,008 | 548,617 | 403,065 | 308,597 | 243,830 | 197,502 | 163,225 | 137,154 | 100,766 | 77,149 | 60,957 | 49,375 | 40,806 | 34,289 | 29,216 | 25,192 |
| 45ДБ4 | 2392,105 | 1345,559 | 861,158 | 598,026 | 439,366 | 336,390 | 265,789 | 215,289 | 177,925 | 149,507 | 109,842 | 84,097 | 66,447 | 53,822 | 44,481 | 37,377 | 31,848 | 27,460 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



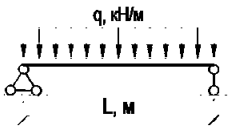
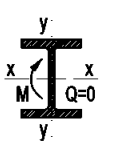



Таблица 6.4.3

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $M_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **45ДБ5** | 2653,404 | 1492,540 | 955,225 | 663,351 | 487,360 | 373,135 | 294,823 | 238,806 | 197,361 | 165,838 | 121,840 | 93,284 | 73,706 | 59,702 | 49,340 | 41,459 | 35,326 | 30,460 |
| **45ДБ6** | 2186,807 | 1230,079 | 787,250 | 546,702 | 401,658 | 307,520 | 242,979 | 196,813 | 162,655 | 136,675 | 100,415 | 76,880 | 60,745 | 49,203 | 40,664 | 34,169 | 29,114 | 25,104 |
| **45ДБ7** | 2444,778 | 1375,188 | 880,120 | 611,195 | 449,041 | 343,797 | 271,642 | 220,030 | 181,843 | 152,799 | 112,260 | 85,949 | 67,911 | 55,008 | 45,461 | 38,200 | 32,549 | 28,065 |
| **45ДБ8** | 2700,590 | 1519,082 | 972,212 | 675,147 | 496,027 | 379,770 | 300,066 | 243,053 | 200,870 | 168,787 | 124,007 | 94,943 | 75,016 | 60,763 | 50,218 | 42,197 | 35,955 | 31,002 |
| 45ДБ9 | 2959,671 | 1664,815 | 1065,482 | 739,918 | 543,613 | 416,204 | 328,852 | 266,370 | 220,141 | 184,979 | 135,903 | 104,051 | 82,213 | 66,593 | 55,035 | 46,245 | 39,404 | 33,976 |
| **45ДБ10** | 3197,307 | 1798,485 | 1151,031 | 799,327 | 587,261 | 449,621 | 355,256 | 287,758 | 237,816 | 199,832 | 146,815 | 112,405 | 88,814 | 71,939 | 59,454 | 49,958 | 42,568 | 36,704 |
| 45ДБ11 | 3407,321 | 1916,618 | 1226,636 | 851,830 | 625,835 | 479,155 | 378,591 | 306,659 | 253,437 | 212,958 | 156,459 | 119,789 | 94,648 | 76,665 | 63,359 | 53,239 | 45,364 | 39,115 |
| **53ДБ3** | 3506,444 | 1972,375 | 1262,320 | 876,611 | 644,041 | 493,094 | 389,605 | 315,580 | 260,810 | 219,153 | 161,010 | 123,273 | 97,401 | 78,895 | 65,202 | 54,788 | 46,683 | 40,253 |
| **53ДБ4** | 3876,322 | 2180,431 | 1395,476 | 969,080 | 711,977 | 545,108 | 430,702 | 348,869 | 288,321 | 242,270 | 177,994 | 136,277 | 107,676 | 87,217 | 72,080 | 60,568 | 51,608 | 44,499 |
| **53ДБ5** | 4171,191 | 2346,295 | 1501,629 | 1042,798 | 766,137 | 586,574 | 463,466 | 375,407 | 310,254 | 260,699 | 191,534 | 146,643 | 115,866 | 93,852 | 77,563 | 65,175 | 55,534 | 47,884 |
| **53ДБ6** | 4601,592 | 2588,396 | 1656,573 | 1150,398 | 845,190 | 647,099 | 511,288 | 414,143 | 342,267 | 287,600 | 211,298 | 161,775 | 127,822 | 103,536 | 85,567 | 71,900 | 61,264 | 52,824 |
| **53ДБ7** | 5158,749 | 2901,796 | 1857,150 | 1289,687 | 947,525 | 725,449 | 573,194 | 464,287 | 383,709 | 322,422 | 236,881 | 181,362 | 143,299 | 116,072 | 95,927 | 80,605 | 68,682 | 59,220 |
| **60ДБ1** | 3282,699 | 1846,518 | 1181,772 | 820,675 | 602,945 | 461,630 | 364,744 | 295,443 | 244,168 | 205,169 | 150,736 | 115,407 | 91,186 | 73,861 | 61,042 | 51,292 | 43,705 | 37,684 |
| **60ДБ2** | 3735,111 | 2101,000 | 1344,640 | 933,778 | 686,041 | 525,250 | 415,012 | 336,160 | 277,818 | 233,444 | 171,510 | 131,312 | 103,753 | 84,040 | 69,455 | 58,361 | 49,728 | 42,878 |
| **60ДБ3** | 4311,756 | 2425,363 | 1552,232 | 1077,939 | 791,955 | 606,341 | 479,084 | 388,058 | 320,709 | 269,485 | 197,989 | 151,585 | 119,771 | 97,015 | 80,177 | 67,371 | 57,405 | 49,497 |
| **60ДБ4** | 4881,133 | 2745,637 | 1757,208 | 1220,283 | 896,535 | 686,409 | 542,348 | 439,302 | 363,059 | 305,071 | 224,134 | 171,602 | 135,587 | 109,825 | 90,765 | 76,268 | 64,985 | 56,033 |
| **60ДБ5** | 5436,103 | 3057,808 | 1956,997 | 1359,026 | 998,468 | 764,452 | 604,011 | 489,249 | 404,338 | 339,756 | 249,617 | 191,113 | 151,003 | 122,312 | 101,085 | 84,939 | 72,374 | 62,404 |
| **60ДБ6** | 5972,682 | 3359,634 | 2150,165 | 1493,170 | 1097,023 | 839,908 | 663,631 | 537,541 | 444,249 | 373,293 | 274,256 | 209,977 | 165,908 | 134,385 | 111,062 | 93,323 | 79,518 | 68,564 |
| | **Тип ДК - Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| **10ДК1** | 116,073 | 65,291 | 41,786 | 29,018 | 21,320 | 16,323 | 12,897 | 10,447 | 8,634 | 7,255 | 5,330 | 4,081 | 3,224 | 2,612 | 2,158 | 1,814 | 1,545 | 1,332 |
| **10ДК2** | 142,760 | 80,303 | 51,394 | 35,690 | 26,221 | 20,076 | 15,862 | 12,848 | 10,619 | 8,923 | 6,555 | 5,019 | 3,966 | 3,212 | 2,655 | 2,231 | 1,901 | 1,639 |
| **10ДК3** | 300,293 | 168,915 | 108,105 | 75,073 | 55,156 | 42,229 | 33,366 | 27,026 | 22,336 | 18,768 | 13,789 | 10,557 | 8,341 | 6,757 | 5,584 | 4,692 | 3,998 | 3,447 |
| **12ДК1** | 168,743 | 94,918 | 60,748 | 42,186 | 30,994 | 23,730 | 18,749 | 15,187 | 12,551 | 10,546 | 7,748 | 5,932 | 4,687 | 3,797 | 3,138 | 2,637 | 2,247 | 1,937 |
| **12ДК2** | 228,489 | 128,525 | 82,256 | 57,122 | 41,967 | 32,131 | 25,388 | 20,564 | 16,995 | 14,281 | 10,492 | 8,033 | 6,347 | 5,141 | 4,249 | 3,570 | 3,042 | 2,623 |
| **12ДК3** | 445,219 | 250,436 | 160,279 | 111,305 | 81,775 | 62,609 | 49,469 | 40,070 | 33,115 | 27,826 | 20,444 | 15,652 | 12,367 | 10,017 | 8,279 | 6,957 | 5,927 | 5,111 |
| **14ДК1** | 247,415 | 139,171 | 89,069 | 61,854 | 45,444 | 34,793 | 27,491 | 22,267 | 18,403 | 15,463 | 11,361 | 8,698 | 6,873 | 5,567 | 4,601 | 3,866 | 3,294 | 2,840 |
| **14ДК2** | 342,766 | 192,806 | 123,396 | 85,692 | 62,957 | 48,202 | 38,085 | 30,849 | 25,495 | 21,423 | 15,739 | 12,050 | 9,521 | 7,712 | 6,374 | 5,356 | 4,563 | 3,935 |
| **14ДК3** | 636,186 | 357,855 | 229,027 | 159,046 | 116,850 | 89,464 | 70,687 | 57,257 | 47,320 | 39,762 | 29,213 | 22,366 | 17,672 | 14,314 | 11,830 | 9,940 | 8,470 | 7,303 |
| **15ДК1** | 259,290 | 145,850 | 93,344 | 64,822 | 47,625 | 36,463 | 28,810 | 23,336 | 19,286 | 16,206 | 11,906 | 9,116 | 7,202 | 5,834 | 4,821 | 4,051 | 3,452 | 2,977 |
| **15ДК2** | 353,306 | 198,735 | 127,190 | 88,327 | 64,893 | 49,684 | 39,256 | 31,798 | 26,279 | 22,082 | 16,223 | 12,421 | 9,814 | 7,949 | 6,570 | 5,520 | 4,704 | 4,056 |
| **15ДК3** | 442,447 | 248,877 | 159,281 | 110,612 | 81,266 | 62,219 | 49,161 | 39,820 | 32,909 | 27,653 | 20,316 | 15,555 | 12,290 | 9,955 | 8,227 | 6,913 | 5,891 | 5,079 |
| **16ДК1** | 351,918 | 197,954 | 126,691 | 87,980 | 64,638 | 49,489 | 39,102 | 31,673 | 26,176 | 21,995 | 16,160 | 12,372 | 9,776 | 7,918 | 6,544 | 5,499 | 4,685 | 4,040 |
| **16ДК2** | 495,355 | 278,637 | 178,328 | 123,839 | 90,984 | 69,659 | 55,039 | 44,582 | 36,845 | 30,960 | 22,746 | 17,415 | 13,760 | 11,145 | 9,211 | 7,740 | 6,595 | 5,686 |
| **16ДК3** | 878,144 | 493,956 | 316,132 | 219,536 | 161,292 | 123,489 | 97,572 | 79,033 | 65,316 | 54,884 | 40,323 | 30,872 | 24,393 | 19,758 | 16,329 | 13,721 | 11,691 | 10,081 |
| **18ДК1** | 469,159 | 263,902 | 168,897 | 117,290 | 86,172 | 65,975 | 52,129 | 42,224 | 34,896 | 29,322 | 21,543 | 16,494 | 13,032 | 10,556 | 8,724 | 7,331 | 6,246 | 5,386 |
| **18ДК2** | 675,818 | 380,148 | 243,295 | 168,955 | 124,130 | 95,037 | 75,091 | 60,824 | 50,267 | 42,239 | 31,032 | 23,759 | 18,773 | 15,206 | 12,567 | 10,560 | 8,998 | 7,758 |
| **18ДК3** | 1160,842 | 652,974 | 417,903 | 290,211 | 213,216 | 163,243 | 128,982 | 104,476 | 86,344 | 72,553 | 53,304 | 40,811 | 32,246 | 26,119 | 21,586 | 18,138 | 15,455 | 13,326 |
| **20ДК1** | 718,067 | 403,913 | 258,504 | 179,517 | 131,890 | 100,978 | 79,785 | 64,626 | 53,410 | 44,879 | 32,972 | 25,245 | 19,946 | 16,157 | 13,352 | 11,220 | 9,560 | 8,243 |
| **20ДК2** | 818,649 | 460,490 | 294,714 | 204,662 | 150,364 | 115,123 | 90,961 | 73,678 | 60,891 | 51,166 | 37,591 | 28,781 | 22,740 | 18,420 | 15,223 | 12,791 | 10,899 | 9,398 |
| **20ДК3** | 932,253 | 524,392 | 335,611 | 233,063 | 171,230 | 131,098 | 103,584 | 83,903 | 69,341 | 58,266 | 42,808 | 32,775 | 25,896 | 20,976 | 17,335 | 14,566 | 12,412 | 10,702 |
| **20ДК4** | 1130,110 | 635,687 | 406,840 | 282,527 | 207,571 | 158,922 | 125,568 | 101,710 | 84,058 | 70,632 | 51,893 | 39,730 | 31,392 | 25,427 | 21,014 | 17,658 | 15,046 | 12,973 |
| **20ДК5** | 1331,663 | 749,060 | 479,399 | 332,916 | 244,591 | 187,265 | 147,963 | 119,850 | 99,049 | 83,229 | 61,148 | 46,816 | 36,991 | 29,962 | 24,762 | 20,807 | 17,729 | 15,287 |
| **20ДК6** | 1541,476 | 867,080 | 554,931 | 385,369 | 283,128 | 216,770 | 171,275 | 138,733 | 114,655 | 96,342 | 70,782 | 54,193 | 42,819 | 34,683 | 28,664 | 24,086 | 20,523 | 17,696 |
| **25ДК1** | 1422,472 | 800,140 | 512,090 | 355,618 | 261,270 | 200,035 | 158,052 | 128,022 | 105,804 | 88,904 | 65,318 | 50,009 | 39,513 | 32,006 | 26,451 | 22,226 | 18,938 | 16,329 |
| **25ДК2** | 1566,396 | 881,098 | 563,902 | 391,599 | 287,705 | 220,274 | 174,044 | 140,976 | 116,509 | 97,900 | 71,926 | 55,069 | 43,511 | 35,244 | 29,127 | 24,475 | 20,854 | 17,982 |
| **25ДК3** | 1751,716 | 985,340 | 630,618 | 437,929 | 321,744 | 246,335 | 194,635 | 157,654 | 130,293 | 109,482 | 80,436 | 61,584 | 48,659 | 39,414 | 32,573 | 27,371 | 23,322 | 20,109 |
| **25ДК4** | 1978,470 | 1112,889 | 712,249 | 494,618 | 363,392 | 278,222 | 219,830 | 178,062 | 147,159 | 123,654 | 90,848 | 69,556 | 54,958 | 44,516 | 36,790 | 30,914 | 26,341 | 22,712 |

Примечание:

- Описание таблицы приведено в п. 6.4.7 руководства
- Промежуточные значения допустимо определять линейной интерполяцией



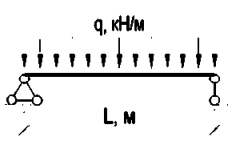
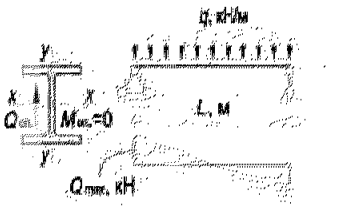



**ТАБЛИЦА 6.4.4** – Предельная равномерно распределённая нагрузка ( *q* ) на балку по предельной поперечной силе ( $Q_{max}$ ) на опоре при расчётах на прочность шарнирно опёртых балок 2-го класса (с учетом развития пластических деформаций), при изгибе в плоскости с наибольшей жёсткостью *y-y*

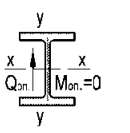



| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | | |
| **10Б1** | 70.230 | 52.673 | 42.138 | 35.115 | 30.099 | 26.336 | 23.410 | 21.069 | 19.154 | 17.558 | 15.049 | 13.168 | 11.705 | 10.535 | 9.577 | 8.779 | 8.103 | 7.525 |
| **12Б1** | 78.903 | 59.177 | 47.342 | 39.452 | 33.816 | 29.589 | 26.301 | 23.671 | 21.519 | 19.726 | 16.908 | 14.794 | 13.151 | 11.835 | 10.760 | 9.863 | 9.104 | 8.454 |
| **12Б2** | 91.362 | 68.521 | 54.817 | 45.681 | 39.155 | 34.261 | 30.454 | 27.408 | 24.917 | 22.840 | 19.577 | 17.130 | 15.227 | 13.704 | 12.458 | 11.420 | 10.542 | 9.789 |
| **14Б1** | 92.715 | 69.536 | 55.629 | 46.357 | 39.735 | 34.768 | 30.905 | 27.814 | 25.286 | 23.179 | 19.867 | 17.384 | 15.452 | 13.907 | 12.643 | 11.589 | 10.698 | 9.934 |
| **14Б2** | 114.674 | 86.005 | 68.804 | 57.337 | 49.146 | 43.003 | 38.225 | 34.402 | 31.275 | 28.668 | 24.573 | 21.501 | 19.112 | 17.201 | 15.637 | 14.334 | 13.232 | 12.286 |
| **16Б1** | 112.288 | 84.216 | 67.373 | 56.144 | 48.123 | 42.108 | 37.429 | 33.686 | 30.624 | 28.072 | 24.062 | 21.054 | 18.715 | 16.843 | 15.312 | 14.036 | 12.956 | 12.031 |
| **16Б2** | 140.360 | 105.270 | 84.216 | 70.180 | 60.154 | 52.635 | 46.787 | 42.108 | 38.280 | 35.090 | 30.077 | 26.318 | 23.393 | 21.054 | 19.140 | 17.545 | 16.195 | 15.039 |
| **18Б1** | 136.339 | 102.254 | 81.803 | 68.169 | 58.431 | 51.127 | 45.446 | 40.902 | 37.183 | 34.085 | 29.215 | 25.564 | 22.723 | 20.451 | 18.592 | 17.042 | 15.731 | 14.608 |
| **18Б2** | 168.045 | 126.034 | 100.827 | 84.023 | 72.019 | 63.017 | 56.015 | 50.414 | 45.831 | 42.011 | 36.010 | 31.509 | 28.008 | 25.207 | 22.915 | 21.006 | 19.390 | 18.005 |
| **20Б0** | 160.080 | 120.060 | 96.048 | 80.040 | 68.606 | 60.030 | 53.360 | 48.024 | 43.658 | 40.020 | 34.303 | 30.015 | 26.680 | 24.012 | 21.829 | 20.010 | 18.471 | 17.151 |
| **20Б1** | 195.653 | 146.740 | 117.392 | 97.827 | 83.851 | 73.370 | 65.218 | 58.696 | 53.360 | 48.913 | 41.926 | 36.685 | 32.609 | 29.348 | 26.680 | 24.457 | 22.575 | 20.963 |
| **20Б2** | 231.227 | 173.420 | 138.736 | 115.613 | 99.097 | 86.710 | 77.076 | 69.368 | 63.062 | 57.807 | 49.549 | 43.355 | 38.538 | 34.684 | 31.531 | 28.903 | 26.680 | 24.774 |
| **20Б3** | 273.203 | 204.902 | 163.922 | 136.602 | 117.087 | 102.451 | 91.068 | 81.961 | 74.510 | 68.301 | 58.544 | 51.226 | 45.534 | 40.980 | 37.255 | 34.150 | 31.523 | 29.272 |
| **25Б1** | Оп.реб. | 168.200 | 134.560 | 112.133 | 96.114 | 84.100 | 74.756 | 67.280 | 61.164 | 56.067 | 48.057 | 42.050 | 37.378 | 33.640 | 30.582 | 28.033 | 25.877 | 24.029 |
| **25Б2** | Оп.реб. | 201.840 | 161.472 | 134.560 | 115.337 | 100.920 | 89.707 | 80.736 | 73.396 | 67.280 | 57.669 | 50.460 | 44.853 | 40.368 | 36.698 | 33.640 | 31.052 | 28.834 |
| **25Б3** | Оп.реб. | 242.208 | 193.766 | 161.472 | 138.405 | 121.104 | 107.648 | 96.883 | 88.076 | 80.736 | 69.202 | 60.552 | 53.824 | 48.442 | 44.038 | 40.368 | 37.263 | 34.601 |
| **25Б4** | Оп.реб. | 290.650 | 232.520 | 193.766 | 166.085 | 145.325 | 129.178 | 116.260 | 105.691 | 96.883 | 83.043 | 72.662 | 64.589 | 58.130 | 52.845 | 48.442 | 44.715 | 41.521 |
| **30Б1** | Оп.реб. | Оп.реб. | 179.916 | 149.930 | 128.511 | 112.448 | 99.953 | 89.958 | 81.780 | 74.965 | 64.256 | 56.224 | 49.977 | 44.979 | 40.890 | 37.483 | 34.599 | 32.128 |

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **30Б2** | Оп.реб. | 265.785 | 212.628 | 177.190 | 151.877 | 132.893 | 118.127 | 106.314 | 96.649 | 88.595 | 75.939 | 66.446 | 59.063 | 53.157 | 48.325 | 44.298 | 40.890 | 37.969 |
| **30Б3** | Оп.реб. | Оп.реб. | 251.228 | 209.357 | 179.449 | 157.018 | 139.571 | 125.614 | 114.195 | 104.678 | 89.724 | 78.509 | 69.786 | 62.807 | 57.097 | 52.339 | 48.313 | 44.862 |
| **30Б4** | Оп.реб. | Оп.реб. | 298.333 | 248.611 | 213.095 | 186.458 | 165.741 | 149.167 | 135.606 | 124.306 | 106.548 | 93.229 | 82.870 | 74.583 | 67.803 | 62.153 | 57.372 | 53.274 |
| **35Б1** | Оп.реб. | Оп.реб. | 228.288 | 190.240 | 163.063 | 142.680 | 126.827 | 114.144 | 103.767 | 95.120 | 81.531 | 71.340 | 63.413 | 57.072 | 51.884 | 47.560 | 43.902 | 40.766 |
| **35Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 213.069 | 182.630 | 159.802 | 142.046 | 127.841 | 116.219 | 106.534 | 91.315 | 79.901 | 71.023 | 63.921 | 58.110 | 53.267 | 49.170 | 45 658 |
| **35Б3** | Оп.реб. | Оп.реб. | Оп.реб. | 258.726 | 221.765 | 194.045 | 172.484 | 155.236 | 141.123 | 129.363 | 110.883 | 97.022 | 86.242 | 77.618 | 70.562 | 64.682 | 59.706 | 55.441 |
| **35Б4** | Оп.реб. | Оп.реб. | Оп.реб. | 304.384 | 260.901 | 228.288 | 202.923 | 182.630 | 166.028 | 152.192 | 130.450 | 114.144 | 101.461 | 91.315 | 83.014 | 76.096 | 70.242 | 65.225 |
| **40Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 242.950 | 208.243 | 182.213 | 161.967 | 145.770 | 132.518 | 121.475 | 104.122 | 91.106 | 80.983 | 72.885 | 66.259 | 60.738 | 56.065 | 52.061 |
| **40Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 277.658 | 237.992 | 208.243 | 185.105 | 166.595 | 151.450 | 138.829 | 118.996 | 104.122 | 92.553 | 83.297 | 75.725 | 69.414 | 64.075 | 59.498 |
| **40Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 282.616 | 247.289 | 219.812 | 197.831 | 179.846 | 164.859 | 141.308 | 123.644 | 109.906 | 98.916 | 89.923 | 82.430 | 76.089 | 70.654 |
| **40Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 327.239 | 286.334 | 254.519 | 229.068 | 208.243 | 190.890 | 163.620 | 143.167 | 127.260 | 114.534 | 104.122 | 95.445 | 88.103 | 81.810 |
| **45Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 313.293 | 268.537 | 234.970 | 208.862 | 187.976 | 170.887 | 156.646 | 134.268 | 117.485 | 104.431 | 93.988 | 85.443 | 78.323 | 72.298 | 67.134 |
| **45Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 352.454 | 302.104 | 264.341 | 234.970 | 211.473 | 192.248 | 176.227 | 151.052 | 132.170 | 117.485 | 105.736 | 96.124 | 88.114 | 81.336 | 75.526 |
| **45Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 352.454 | 308.398 | 274.131 | 246.718 | 224.289 | 205.598 | 176.227 | 154.199 | 137.066 | 123.359 | 112.145 | 102.799 | 94.892 | 88.114 |
| **45Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 402.805 | 352.454 | 313.293 | 281.964 | 256.330 | 234.970 | 201.403 | 176.227 | 156.646 | 140.982 | 128.165 | 117.485 | 108.448 | 100.701 |
| **50Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 382.188 | 327.589 | 286.641 | 254.792 | 229.313 | 208.466 | 191.094 | 163.795 | 143.320 | 127.396 | 114.656 | 104.233 | 95.547 | 88.197 | 81.897 |
| **50Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 335.035 | 293.155 | 260.582 | 234.524 | 213.204 | 195.437 | 167.517 | 146.578 | 130.291 | 117.262 | 106.602 | 97.718 | 90.202 | 83.759 |
| **50Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 372.261 | 325.728 | 289.536 | 260.582 | 236.893 | 217.152 | 186.130 | 162.864 | 144.768 | 130.291 | 118.447 | 108.576 | 100.224 | 93.065 |
| **50Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 446.713 | 390.874 | 347.443 | 312.699 | 284.272 | 260.582 | 223.356 | 195.437 | 173.722 | 156.349 | 142.136 | 130.291 | 120.269 | 111.678 |
| **50Б5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 535.125 | 468.234 | 416.208 | 374.587 | 340.534 | 312.156 | 267.562 | 234.117 | 208.104 | 187.294 | 170.267 | 156.078 | 144.072 | 133.781 |
| **55Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 389.919 | 341.179 | 303.270 | 272.943 | 248.130 | 227.453 | 194.960 | 170.590 | 151.635 | 136.472 | 124.065 | 113.726 | 104.978 | 97.480 |
| **55Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 410.441 | 359.136 | 319.232 | 287.309 | 261.190 | 239.424 | 205.221 | 179.568 | 159.616 | 143.654 | 130.595 | 119.712 | 110.503 | 102.610 |
| **55Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 492.529 | 430.963 | 383.078 | 344.771 | 313.428 | 287.309 | 246.265 | 215.482 | 191.539 | 172.385 | 156.714 | 143.654 | 132.604 | 123.132 |
| **55Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 550.675 | 481.841 | 428.303 | 385.473 | 350.430 | 321.227 | 275.338 | 240.920 | 214.151 | 192.736 | 175.215 | 160.614 | 148.259 | 137.669 |
| **60Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 450.213 | 393.936 | 350.165 | 315.149 | 286.499 | 262.624 | 225.106 | 196.968 | 175.083 | 157.574 | 143.249 | 131.312 | 121.211 | 112.553 |
| **60Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 495.234 | 433.330 | 385.182 | 346.664 | 315.149 | 288.886 | 247.617 | 216.665 | 192.591 | 173.332 | 157.574 | 144.443 | 133.332 | 123.808 |
| **60Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 562.766 | 492.420 | 437.707 | 393.936 | 358.124 | 328.280 | 281.383 | 246.210 | 218.853 | 196.968 | 179.062 | 164.140 | 151.514 | 140.691 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



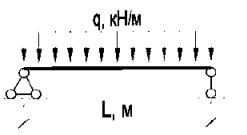



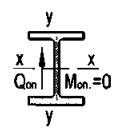
Таблица 6.4.4

| С255Б | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 60Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 647.181 | 566.283 | 503.363 | 453.026 | 411.842 | 377.522 | 323.590 | 283.142 | 251.681 | 226.513 | 205.921 | 188.761 | 174.241 | 161.795 |
| 70Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 551.232 | 489.984 | 440.986 | 400.896 | 367.488 | 314.990 | 275.616 | 244.992 | 220.493 | 200.448 | 183.744 | 169.610 | 157.495 |
| 70Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 597.168 | 530.816 | 477.734 | 434.304 | 398.112 | 341.239 | 298.584 | 265.408 | 238.867 | 217.152 | 199.056 | 183.744 | 170.619 |
| 70Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 638.319 | 567.395 | 510.655 | 464.232 | 425.546 | 364.754 | 319.160 | 283.697 | 255.328 | 232.116 | 212.773 | 196.406 | 182.377 |
| 70Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 748.374 | 665.221 | 598.699 | 544.272 | 498.916 | 427.642 | 374.187 | 332.611 | 299.350 | 272.136 | 249.458 | 230.269 | 213.821 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | Оп.реб. | 127.600 | 102.080 | 85.067 | 72.914 | 63.800 | 56.711 | 51.040 | 46.400 | 42.533 | 36.457 | 31.900 | 28.356 | 25.520 | 23.200 | 21.267 | 19.631 | 18.229 |
| 20Ш1 | Оп.реб. | 153.120 | 122.496 | 102.080 | 87.497 | 76.560 | 68.053 | 61.248 | 55.680 | 51.040 | 43.749 | 38.280 | 34.027 | 30.624 | 27.840 | 25.520 | 23.557 | 21.874 |
| 20Ш2 | Оп.реб. | 183.744 | 146.995 | 122.496 | 104.997 | 91.872 | 81.664 | 73.498 | 66.816 | 61.248 | 52.498 | 45.936 | 40.832 | 36.749 | 33.408 | 30.624 | 28.268 | 26.249 |
| 20Ш3 | Оп.реб. | 220.493 | 176.394 | 146.995 | 125.996 | 110.246 | 97.997 | 88.197 | 80.179 | 73.498 | 62.998 | 55.123 | 48.998 | 44.099 | 40.090 | 36.749 | 33.922 | 31.499 |
| 20Ш4 | Оп.реб. | Оп.реб. | 215.593 | 179.661 | 153.995 | 134.746 | 119.774 | 107.796 | 97.997 | 89.830 | 76.997 | 67.373 | 59.887 | 53.898 | 48.998 | 44.915 | 41.460 | 38.499 |
| 20Ш5 | Оп.реб. | Оп.реб. | 244.175 | 203.479 | 174.411 | 152.610 | 135.653 | 122.088 | 110.989 | 101.740 | 87.205 | 76.305 | 67.826 | 61.044 | 55.494 | 50.870 | 46.957 | 43.603 |
| 20Ш6 | Оп.реб. | Оп.реб. | 300.524 | 250.436 | 214.660 | 187.827 | 166.958 | 150.262 | 136.602 | 125.218 | 107.330 | 93.914 | 83.479 | 75.131 | 68.301 | 62.609 | 57.793 | 53.665 |
| 25Ш0 | Оп.реб. | Оп.реб. | 154.512 | 128.760 | 110.366 | 96.570 | 85.840 | 77.256 | 70.233 | 64.380 | 55.183 | 48.285 | 42.920 | 38.628 | 35.116 | 32.190 | 29.714 | 27.591 |
| 25Ш1 | Оп.реб. | Оп.реб. | 173.053 | 144.211 | 123.610 | 108.158 | 96.141 | 86.527 | 78.661 | 72.106 | 61.805 | 54.079 | 48.070 | 43.263 | 39.330 | 36.053 | 33.280 | 30.902 |
| 25Ш2 | Оп.реб. | Оп.реб. | 210.136 | 175.114 | 150.097 | 131.335 | 116.742 | 105.068 | 95.517 | 87.557 | 75.049 | 65.668 | 58.371 | 52.534 | 47.758 | 43.778 | 40.411 | 37.524 |
| 25Ш3 | Оп.реб. | Оп.реб. | 259.580 | 216.317 | 185.414 | 162.238 | 144.211 | 129.790 | 117.991 | 108.158 | 92.707 | 81.119 | 72.106 | 64.895 | 58.995 | 54.079 | 49.919 | 46.354 |
| 25Ш4 | Оп.реб. | Оп.реб. | 307.994 | 256.662 | 219.996 | 192.496 | 171.108 | 153.997 | 139.997 | 128.331 | 109.998 | 96.248 | 85.554 | 76.998 | 69.999 | 64.165 | 59.230 | 54.999 |
| 25Ш5 | Оп.реб. | Оп.реб. | 379.069 | 315.891 | 270.764 | 236.918 | 210.594 | 189.535 | 172.304 | 157.946 | 135.382 | 118.459 | 105.297 | 94.767 | 86.152 | 78.973 | 72.898 | 67.691 |
| 25Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | 375.121 | 321.532 | 281.341 | 250.081 | 225.072 | 204.611 | 187.560 | 160.766 | 140.670 | 125.040 | 112.536 | 102.306 | 93.780 | 86.566 | 80.383 |
| 30Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | 182.700 | 156.600 | 137.025 | 121.800 | 109.620 | 99.655 | 91.350 | 78.300 | 68.513 | 60.900 | 54.810 | 49.827 | 45.675 | 42.162 | 39.150 |
| 30Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 200.448 | 171.813 | 150.336 | 133.632 | 120.269 | 109.335 | 100.224 | 85.906 | 75.168 | 66.816 | 60.134 | 54.668 | 50.112 | 46.257 | 42.953 |
| 30Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | 225.504 | 193.289 | 169.128 | 150.336 | 135.302 | 123.002 | 112.752 | 96.645 | 84.564 | 75.168 | 67.651 | 61.501 | 56.376 | 52.039 | 48.322 |
| 30Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | 275.616 | 236.242 | 206.712 | 183.744 | 165.370 | 150.336 | 137.808 | 118.121 | 103.356 | 91.872 | 82.685 | 75.168 | 68.904 | 63.604 | 59.061 |
| 30Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | 312.156 | 267.562 | 234.117 | 208.104 | 187.294 | 170.267 | 156.078 | 133.781 | 117.059 | 104.052 | 93.647 | 85.133 | 78.039 | 72.036 | 66.891 |
| 30Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 329.307 | 288.144 | 256.128 | 230.515 | 209.559 | 192.096 | 164.654 | 144.072 | 128.064 | 115.258 | 104.780 | 96.048 | 88.660 | 82.327 |
| 30Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 411.634 | 360.180 | 320.160 | 288.144 | 261.949 | 240.120 | 205.817 | 180.090 | 160.080 | 144.072 | 130.975 | 120.060 | 110.825 | 102.909 |

| С255Б | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 35Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 198.539 | 173.722 | 154.419 | 138.977 | 126.343 | 115.814 | 99.269 | 86.861 | 77.210 | 69.489 | 63.171 | 57.907 | 53.453 | 49.635 |
| 35Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 223.356 | 195.437 | 173.722 | 156.349 | 142.136 | 130.291 | 111.678 | 97.718 | 86.861 | 78.175 | 71.068 | 65.146 | 60.134 | 55.839 |
| 35Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 272.991 | 238.867 | 212.326 | 191.094 | 173.722 | 159.245 | 136.496 | 119.434 | 106.163 | 95.547 | 86.861 | 79.622 | 73.498 | 68.248 |
| 35Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 309.183 | 270.535 | 240.476 | 216.428 | 196.753 | 180.357 | 154.592 | 135.268 | 120.238 | 108.214 | 98.376 | 90.178 | 83.242 | 77.296 |
| 35Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 380.533 | 332.966 | 295.970 | 266.373 | 242.157 | 221.978 | 190.267 | 166.483 | 147.985 | 133.187 | 121.079 | 110.989 | 102.451 | 95.133 |
| 35Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 395.398 | 351.465 | 316.318 | 287.562 | 263.598 | 225.941 | 197.699 | 175.732 | 158.159 | 143.781 | 131.799 | 121.661 | 112.971 |
| 35Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 478.639 | 425.457 | 382.911 | 348.101 | 319.093 | 273.508 | 239.320 | 212.729 | 191.456 | 174.051 | 159.546 | 147.274 | 136.754 |
| 40Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 270.525 | 236.710 | 210.409 | 189.368 | 172.152 | 157.806 | 135.263 | 118.355 | 105.204 | 94.684 | 86.076 | 78.903 | 72.834 | 67.631 |
| 40Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 221.483 | 199.334 | 181.213 | 166.112 | 142.382 | 124.584 | 110.741 | 99.667 | 90.607 | 83.056 | 76.667 | 71.191 |
| 40Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 265.779 | 239.201 | 217.456 | 199.334 | 170.858 | 149.501 | 132.890 | 119.601 | 108.728 | 99.667 | 92.000 | 85.429 |
| 40Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 307.769 | 276.992 | 251.811 | 230.826 | 197.851 | 173.120 | 153.884 | 138.496 | 125.905 | 115.413 | 106.535 | 98.926 |
| 40Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 371.445 | 334.300 | 303.909 | 278.584 | 238.786 | 208.938 | 185.722 | 167.150 | 151.955 | 139.292 | 128.577 | 119.393 |
| 40Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 445.734 | 401.160 | 364.691 | 334.300 | 286.543 | 250.725 | 222.867 | 200.580 | 182.346 | 167.150 | 154.292 | 143.272 |
| 40Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 530.636 | 477.572 | 434.156 | 397.977 | 341.123 | 298.483 | 265.318 | 238.786 | 217.078 | 198.988 | 183.682 | 170.561 |
| 45Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 281.184 | 249.941 | 224.947 | 204.497 | 187.456 | 160.677 | 140.592 | 124.971 | 112.474 | 102.249 | 93.728 | 86.518 | 80.338 |
| 45Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 274.935 | 247.442 | 224.947 | 206.202 | 176.744 | 154.651 | 137.468 | 123.721 | 112.474 | 103.101 | 95.170 | 88.372 |
| 45Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 311.385 | 280.247 | 254.770 | 233.539 | 200.176 | 175.154 | 155.693 | 140.123 | 127.385 | 116.769 | 107.787 | 100.088 |
| 45Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 359.291 | 323.362 | 293.965 | 269.468 | 230.973 | 202.101 | 179.645 | 161.681 | 146.983 | 134.734 | 124.370 | 115.486 |
| 45Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 431.149 | 388.034 | 352.758 | 323.362 | 277.167 | 242.521 | 215.574 | 194.017 | 176.379 | 161.681 | 149.244 | 138.584 |
| 45Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 503.007 | 452.706 | 411.551 | 377.255 | 323.362 | 282.941 | 251.503 | 226.353 | 205.776 | 188.628 | 174.118 | 161.681 |
| 45Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 538.936 | 489.942 | 449.113 | 384.954 | 336.835 | 299.409 | 269.468 | 244.971 | 224.557 | 207.283 | 192.477 |
| 50Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 346.051 | 307.601 | 276.841 | 251.674 | 230.701 | 197.744 | 173.026 | 153.801 | 138.420 | 125.837 | 115.350 | 106.477 | 98.872 |
| 50Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 521.324 | 456.158 | 405.474 | 364.927 | 331.752 | 304.106 | 260.662 | 228.079 | 202.737 | 182.463 | 165.876 | 152.053 | 140.356 | 130.331 |
| 50Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 467.300 | 415.378 | 373.840 | 339.855 | 311.533 | 267.029 | 233.650 | 207.689 | 186.920 | 169.927 | 155.767 | 143.785 | 133.514 |
| 50Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 497.449 | 442.177 | 397.959 | 361.781 | 331.632 | 284.256 | 248.724 | 221.088 | 198.979 | 180.890 | 165.816 | 153.061 | 142.128 |
| 50Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 572.820 | 509.173 | 458.256 | 416.596 | 381.880 | 327.325 | 286.410 | 254.586 | 229.128 | 208.298 | 190.940 | 176.252 | 163.663 |
| 50Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 589.569 | 530.612 | 482.374 | 442.177 | 379.008 | 331.632 | 294.784 | 265.306 | 241.187 | 221.088 | 204.081 | 189.504 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



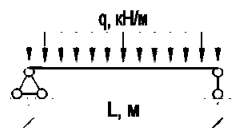



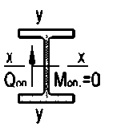
Таблица 6.4.4

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 50Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 696.763 | 627.087 | 570.079 | 522.572 | 447.919 | 391.929 | 348.382 | 313.543 | 285.039 | 261.286 | 241.187 | 223.960 |
| 50Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 803.957 | 723.562 | 657.783 | 602.968 | 516.830 | 452.226 | 401.979 | 361.781 | 328.892 | 301.484 | 278.293 | 258.415 |
| 60Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 406.835 | 366.152 | 332.865 | 305.126 | 261.537 | 228.845 | 203.418 | 183.076 | 166.433 | 152.563 | 140.828 | 130.768 |
| 60Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 584.826 | 519.845 | 467.860 | 425.328 | 389.884 | 334.186 | 292.413 | 259.922 | 233.930 | 212.664 | 194.942 | 179.946 | 167.093 |
| 60Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 657.929 | 584.826 | 526.343 | 478.494 | 438.619 | 375.959 | 328.964 | 292.413 | 263.172 | 239.247 | 219.310 | 202.440 | 187.980 |
| 60Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 731.032 | 649.806 | 584.826 | 531.660 | 487.355 | 417.733 | 365.516 | 324.903 | 292.413 | 265.830 | 243.677 | 224.933 | 208.866 |
| 60Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 747.277 | 672.549 | 611.409 | 560.458 | 480.392 | 420.343 | 373.639 | 336.275 | 305.704 | 280.229 | 258.673 | 240.196 |
| 60Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 877.238 | 789.515 | 717.741 | 657.929 | 563.939 | 493.447 | 438.619 | 394.757 | 358.870 | 328.964 | 303.659 | 281.969 |
| 60Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1007.200 | 906.480 | 824.072 | 755.400 | 647.485 | 566.550 | 503.600 | 453.240 | 412.036 | 377.700 | 348.646 | 323.743 |
| 60Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1169.651 | 1052.686 | 956.987 | 877.238 | 751.919 | 657.929 | 584.826 | 526.343 | 478.494 | 438.619 | 404.879 | 375.959 |
| 70Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 524.382 | 471.944 | 429.040 | 393.286 | 337.103 | 294.965 | 262.191 | 235.972 | 214.520 | 196.643 | 181.517 | 168.551 |
| 70Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 579.845 | 521.861 | 474.419 | 434.884 | 372.758 | 326.163 | 289.923 | 260.930 | 237.209 | 217.442 | 200.716 | 186.379 |
| 70Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 695.814 | 626.233 | 569.303 | 521.861 | 447.309 | 391.396 | 347.907 | 313.116 | 284.651 | 260.930 | 240.859 | 223.655 |
| 70Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 792.455 | 713.210 | 648.373 | 594.341 | 509.436 | 445.756 | 396.228 | 356.605 | 324.186 | 297.171 | 274.311 | 254.718 |
| 70Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 889.096 | 800.187 | 727.442 | 666.822 | 571.562 | 500.117 | 444.548 | 400.093 | 363.721 | 333.411 | 307.764 | 285.781 |
| 70Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 939.349 | 853.954 | 782.791 | 670.964 | 587.093 | 521.861 | 469.675 | 426.977 | 391.396 | 361.288 | 335.482 |
| 70Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1113.303 | 1012.094 | 927.753 | 795.216 | 695.814 | 618.502 | 556.652 | 506.047 | 463.876 | 428.193 | 397.608 |
| 70Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1264.567 | 1149.606 | 1053.806 | 903.262 | 790.354 | 702.537 | 632.284 | 574.803 | 526.903 | 486.372 | 451.631 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | Оп.реб. | 113.100 | 90.480 | 75.400 | 64.629 | 56.550 | 50.267 | 45.240 | 41.127 | 37.700 | 32.314 | 28.275 | 25.133 | 22.620 | 20.564 | 18.850 | 17.400 | 16.157 |
| 15К2 | Оп.реб. | 131.950 | 105.560 | 87.967 | 75.400 | 65.975 | 58.644 | 52.780 | 47.982 | 43.983 | 37.700 | 32.988 | 29.322 | 26.390 | 23.991 | 21.992 | 20.300 | 18.850 |
| 15К3 | Оп.реб. | 153.816 | 123.053 | 102.544 | 87.895 | 76.908 | 68.363 | 61.526 | 55.933 | 51.272 | 43.947 | 38.454 | 34.181 | 30.763 | 27.967 | 25.636 | 23.664 | 21.974 |
| 15К4 | Оп.реб. | 180.960 | 144.768 | 120.640 | 103.406 | 90.480 | 80.427 | 72.384 | 65.804 | 60.320 | 51.703 | 45.240 | 40.213 | 36.192 | 32.902 | 30.160 | 27.840 | 25.851 |
| 15К5 | Оп.реб. | 217.152 | 173.722 | 144.768 | 124.087 | 108.576 | 96.512 | 86.861 | 78.964 | 72.384 | 62.043 | 54.288 | 48.256 | 43.430 | 39.482 | 36.192 | 33.408 | 31.022 |
| 20К1 | Оп.реб. | Оп.реб. | 132.704 | 110.587 | 94.789 | 82.940 | 73.724 | 66.352 | 60.320 | 55.293 | 47.394 | 41.470 | 36.862 | 33.176 | 30.160 | 27.647 | 25.520 | 23.697 |
| 20К2 | Оп.реб. | Оп.реб. | 156.795 | 130.662 | 111.996 | 97.997 | 87.108 | 78.397 | 71.270 | 65.331 | 55.998 | 48.998 | 43.554 | 39.199 | 35.635 | 32.666 | 30.153 | 27.999 |
| 20К3 | Оп.реб. | Оп.реб. | Оп.реб. | 146.995 | 125.996 | 110.246 | 97.997 | 88.197 | 80.179 | 73.498 | 62.998 | 55.123 | 48.998 | 44.099 | 40.090 | 36.749 | 33.922 | 31.499 |

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 20К4 | Оп.реб. | Оп.реб. | Оп.реб. | 171.494 | 146.995 | 128.621 | 114.330 | 102.897 | 93.542 | 85.747 | 73.498 | 64.310 | 57.165 | 51.448 | 46.771 | 42.874 | 39.576 | 36.749 |
| 20К5 | Оп.реб. | Оп.реб. | Оп.реб. | 195.994 | 167.995 | 146.995 | 130.662 | 117.596 | 106.906 | 97.997 | 83.997 | 73.498 | 65.331 | 58.798 | 53.453 | 48.998 | 45.229 | 41.999 |
| 20К6 | Оп.реб. | Оп.реб. | Оп.реб. | 219.132 | 187.827 | 164.349 | 146.088 | 131.479 | 119.526 | 109.566 | 93.914 | 82.174 | 73.044 | 65.740 | 59.763 | 54.783 | 50.569 | 46.957 |
| 20К7 | Оп.реб. | Оп.реб. | Оп.реб. | 250.436 | 214.660 | 187.827 | 166.958 | 150.262 | 136.602 | 125.218 | 107.330 | 93.914 | 83.479 | 75.131 | 68.301 | 62.609 | 57.793 | 53.665 |
| 20К8 | Оп.реб. | Оп.реб. | Оп.реб. | 281.741 | 241.492 | 211.306 | 187.827 | 169.044 | 153.677 | 140.870 | 120.746 | 105.653 | 93.914 | 84.522 | 76.838 | 70.435 | 65.017 | 60.373 |
| 25К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 141.268 | 123.610 | 109.875 | 98.888 | 89.898 | 82.406 | 70.634 | 61.805 | 54.938 | 49.444 | 44.949 | 41.203 | 38.034 | 35.317 |
| 25К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 158.927 | 139.061 | 123.610 | 111.249 | 101.135 | 92.707 | 79.463 | 69.530 | 61.805 | 55.624 | 50.568 | 46.354 | 42.788 | 39.732 |
| 25К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 176.585 | 154.512 | 137.344 | 123.610 | 112.372 | 103.008 | 88.293 | 77.256 | 68.672 | 61.805 | 56.186 | 51.504 | 47.542 | 44.146 |
| 25К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 194.244 | 169.963 | 151.078 | 135.971 | 123.610 | 113.309 | 97.122 | 84.982 | 75.539 | 67.985 | 61.805 | 56.654 | 52.296 | 48.561 |
| 25К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 220.731 | 193.140 | 171.680 | 154.512 | 140.465 | 128.760 | 110.366 | 96.570 | 85.840 | 77.256 | 70.233 | 64.380 | 59.428 | 55.183 |
| 25К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 236.918 | 207.304 | 184.270 | 165.843 | 150.766 | 138.202 | 118.459 | 103.652 | 92.135 | 82.921 | 75.383 | 69.101 | 63.786 | 59.230 |
| 25К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 270.764 | 236.918 | 210.594 | 189.535 | 172.304 | 157.946 | 135.382 | 118.459 | 105.297 | 94.767 | 86.152 | 78.973 | 72.898 | 67.691 |
| 25К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 304.609 | 266.533 | 236.918 | 213.227 | 193.842 | 177.689 | 152.305 | 133.267 | 118.459 | 106.613 | 96.921 | 88.844 | 82.010 | 76.152 |
| 25К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 338.455 | 296.148 | 263.243 | 236.918 | 215.380 | 197.432 | 169.227 | 148.074 | 131.621 | 118.459 | 107.690 | 98.716 | 91.122 | 84.614 |
| 25К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 389.223 | 340.570 | 302.729 | 272.456 | 247.687 | 227.047 | 194.612 | 170.285 | 151.365 | 136.228 | 123.844 | 113.523 | 104.791 | 97.306 |
| 30К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 169.128 | 150.336 | 135.302 | 123.002 | 112.752 | 96.645 | 84.564 | 75.168 | 67.651 | 61.501 | 56.376 | 52.039 | 48.322 |
| 30К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 187.920 | 167.040 | 150.336 | 136.669 | 125.280 | 107.383 | 93.960 | 83.520 | 75.168 | 68.335 | 62.640 | 57.822 | 53.691 |
| 30К3 | Оп.реб. | Оп.реб. | Оп.реб. | 375.840 | 322.149 | 281.880 | 250.560 | 225.504 | 205.004 | 187.920 | 161.074 | 140.940 | 125.280 | 112.752 | 102.502 | 93.960 | 86.732 | 80.537 |
| 30К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 206.712 | 183.744 | 165.370 | 150.336 | 137.808 | 118.121 | 103.356 | 91.872 | 82.685 | 75.168 | 68.904 | 63.604 | 59.061 |
| 30К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 225.504 | 200.448 | 180.403 | 164.003 | 150.336 | 128.859 | 112.752 | 100.224 | 90.202 | 82.001 | 75.168 | 69.386 | 64.430 |
| 30К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 234.117 | 208.104 | 187.294 | 170.267 | 156.078 | 133.781 | 117.059 | 104.052 | 93.647 | 85.133 | 78.039 | 72.036 | 66.891 |
| 30К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 261.131 | 232.116 | 208.904 | 189.913 | 174.087 | 149.217 | 130.565 | 116.058 | 104.452 | 94.957 | 87.044 | 80.348 | 74.609 |
| 30К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 232.116 | 208.904 | 189.913 | 174.087 | 149.217 | 130.565 | 116.058 | 104.452 | 94.957 | 87.044 | 80.348 | 74.609 |
| 30К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 230.515 | 209.559 | 192.096 | 164.654 | 144.072 | 128.064 | 115.258 | 104.780 | 96.048 | 88.660 | 82.327 |
| 30К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 288.144 | 259.330 | 235.754 | 216.108 | 185.235 | 162.081 | 144.072 | 129.665 | 117.877 | 108.054 | 99.742 | 92.618 |
| 30К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 320.160 | 288.144 | 261.949 | 240.120 | 205.817 | 180.090 | 160.080 | 144.072 | 130.975 | 120.060 | 110.825 | 102.909 |
| 30К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 316.958 | 288.144 | 264.132 | 226.399 | 198.099 | 176.088 | 158.479 | 144.072 | 132.066 | 121.907 | 113.199 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



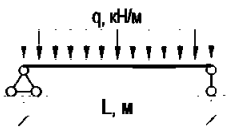



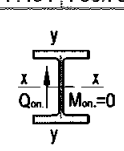
Таблица 6.4.4

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **30К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 345.773 | 314.339 | 288.144 | 246.981 | 216.108 | 192.096 | 172.886 | 157.169 | 144.072 | 132.990 | 123.490 |
| **30К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 388.994 | 353.631 | 324.162 | 277.853 | 243.122 | 216.108 | 194.497 | 176.816 | 162.081 | 149.613 | 138.927 |
| **30К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 432.216 | 392.924 | 360.180 | 308.726 | 270.135 | 240.120 | 216.108 | 196.462 | 180.090 | 166.237 | 154.363 |
| **30К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 475.438 | 432.216 | 396.198 | 339.598 | 297.149 | 264.132 | 237.719 | 216.108 | 198.099 | 182.861 | 169.799 |
| **30К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 518.659 | 471.508 | 432.216 | 370.471 | 324.162 | 288.144 | 259.330 | 235.754 | 216.108 | 199.484 | 185.235 |
| **30К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 537.451 | 488.592 | 447.876 | 383.894 | 335.907 | 298.584 | 268.726 | 244.296 | 223.938 | 206.712 | 191.947 |
| **30К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 592.574 | 538.704 | 493.812 | 423.267 | 370.359 | 329.208 | 296.287 | 269.352 | 246.906 | 227.913 | 211.634 |
| **30К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 647.698 | 588.816 | 539.748 | 462.641 | 404.811 | 359.832 | 323.849 | 294.408 | 269.874 | 249.114 | 231.321 |
| **30К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 621.844 | 570.024 | 488.592 | 427.518 | 380.016 | 342.014 | 310.922 | 285.012 | 263.088 | 244.296 |
| **35К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 193.024 | 173.722 | 157.929 | 144.768 | 124.087 | 108.576 | 96.512 | 86.861 | 78.964 | 72.384 | 66.816 | 62.043 |
| **35К1.5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 212.326 | 191.094 | 173.722 | 159.245 | 136.496 | 119.434 | 106.163 | 95.547 | 86.861 | 79.622 | 73.498 | 68.248 |
| **35К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 231.629 | 208.466 | 189.514 | 173.722 | 148.904 | 130.291 | 115.814 | 104.233 | 94.757 | 86.861 | 80.179 | 74.452 |
| **35К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 249.725 | 224.752 | 204.320 | 187.294 | 160.537 | 140.470 | 124.862 | 112.376 | 102.160 | 93.647 | 86.443 | 80.269 |
| **35К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 277.472 | 249.725 | 227.023 | 208.104 | 178.375 | 156.078 | 138.736 | 124.862 | 113.511 | 104.052 | 96.048 | 89.187 |
| **35К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 274.697 | 249.725 | 228.914 | 196.212 | 171.686 | 152.610 | 137.349 | 124.862 | 114.457 | 105.653 | 98.106 |
| **35К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 299.670 | 272.427 | 249.725 | 214.050 | 187.294 | 166.483 | 149.835 | 136.214 | 124.862 | 115.258 | 107.025 |
| **35К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 332.966 | 302.697 | 277.472 | 237.833 | 208.104 | 184.981 | 166.483 | 151.348 | 138.736 | 128.064 | 118.917 |
| **35К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 366.263 | 332.966 | 305.219 | 261.616 | 228.914 | 203.479 | 183.132 | 166.483 | 152.610 | 140.870 | 130.808 |
| **35К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 399.560 | 363.236 | 332.966 | 285.400 | 249.725 | 221.978 | 199.780 | 181.618 | 166.483 | 153.677 | 142.700 |
| **35К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 441.180 | 401.073 | 367.650 | 315.129 | 275.738 | 245.100 | 220.590 | 200.537 | 183.825 | 169.685 | 157.564 |
| **35К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 482.801 | 438.910 | 402.334 | 344.858 | 301.751 | 268.223 | 241.401 | 219.455 | 201.167 | 185.693 | 172.429 |
| **35К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 532.746 | 484.315 | 443.955 | 380.533 | 332.966 | 295.970 | 266.373 | 242.157 | 221.978 | 204.902 | 190.267 |
| **35К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 582.691 | 529.719 | 485.576 | 416.208 | 364.182 | 323.717 | 291.346 | 264.860 | 242.788 | 224.112 | 208.104 |
| **35К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 605.130 | 550.118 | 504.275 | 432.236 | 378.206 | 336.183 | 302.565 | 275.059 | 252.138 | 232.742 | 216.118 |
| **35К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 668.828 | 608.026 | 557.357 | 477.734 | 418.018 | 371.571 | 334.414 | 304.013 | 278.678 | 257.242 | 238.867 |
| **35К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 732.526 | 665.933 | 610.438 | 523.233 | 457.829 | 406.959 | 366.263 | 332.966 | 305.219 | 281.741 | 261.616 |
| **35К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 723.840 | 663.520 | 568.731 | 497.640 | 442.347 | 398.112 | 361.920 | 331.760 | 306.240 | 284.366 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **35К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 760.032 | 696.696 | 597.168 | 522.522 | 464.464 | 418.018 | 380.016 | 348.348 | 321.552 | 298.584 |
| **35К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 829.126 | 760.032 | 651.456 | 570.024 | 506.688 | 456.019 | 414.563 | 380.016 | 350.784 | 325.728 |
| **35К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 834.061 | 764.556 | 655.334 | 573.417 | 509.704 | 458.734 | 417.031 | 382.278 | 352.872 | 327.667 |
| **35К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 911.051 | 835.130 | 715.826 | 626.348 | 556.754 | 501.078 | 455.526 | 417.565 | 385.445 | 357.913 |
| **35К22** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 905.705 | 776.318 | 679.279 | 603.803 | 543.423 | 494.021 | 452.852 | 418.018 | 388.159 |
| **35К23** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 988.042 | 846.893 | 741.031 | 658.694 | 592.825 | 538.932 | 494.021 | 456.019 | 423.446 |
| **35К24** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1082.141 | 927.549 | 811.606 | 721.427 | 649.284 | 590.259 | 541.070 | 499.450 | 463.775 |
| **40К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 199.334 | 182.723 | 156.620 | 137.042 | 121.815 | 109.634 | 99.667 | 91.362 | 84.334 | 78.310 |
| **40К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 225.761 | 206.948 | 177.384 | 155.211 | 137.965 | 124.169 | 112.881 | 103.474 | 95.514 | 88.692 |
| **40К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 305.646 | 277.860 | 254.705 | 218.319 | 191.029 | 169.803 | 152.823 | 138.930 | 127.353 | 117.556 | 109.159 |
| **40К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 312.593 | 286.543 | 245.608 | 214.907 | 191.029 | 171.926 | 156.296 | 143.272 | 132.251 | 122.804 |
| **40К4.5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 382.058 | 347.325 | 318.381 | 272.898 | 238.786 | 212.254 | 191.029 | 173.663 | 159.191 | 146.945 | 136.449 |
| **40К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 439.366 | 399.424 | 366.139 | 313.833 | 274.604 | 244.092 | 219.683 | 199.712 | 183.069 | 168.987 | 156.917 |
| **40К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 477.572 | 434.156 | 397.977 | 341.123 | 298.483 | 265.318 | 238.786 | 217.078 | 198.988 | 183.682 | 170.561 |
| **40К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 534.881 | 486.255 | 445.734 | 382.058 | 334.300 | 297.156 | 267.440 | 243.128 | 222.867 | 205.723 | 191.029 |
| **40К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 592.189 | 538.354 | 493.491 | 422.992 | 370.118 | 328.994 | 296.095 | 269.177 | 246.746 | 227.765 | 211.496 |
| **40К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 668.601 | 607.819 | 557.167 | 477.572 | 417.876 | 371.445 | 334.300 | 303.909 | 278.584 | 257.154 | 238.786 |
| **40К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 712.620 | 647.837 | 593.850 | 509.015 | 445.388 | 395.900 | 356.310 | 323.918 | 296.925 | 274.085 | 254.507 |
| **40К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 785.710 | 714.282 | 654.758 | 561.221 | 491.069 | 436.505 | 392.855 | 357.141 | 327.379 | 302.196 | 280.611 |
| **40К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 797.338 | 730.893 | 626.480 | 548.170 | 487.262 | 438.536 | 398.669 | 365.446 | 337.335 | 313.240 |
| **40К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 840.376 | 770.344 | 660.295 | 577.758 | 513.563 | 462.207 | 420.188 | 385.172 | 355.544 | 330.148 |
| **40К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 935.513 | 857.553 | 735.046 | 643.165 | 571.702 | 514.532 | 467.756 | 428.777 | 395.794 | 367.523 |
| **40К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 957.032 | 877.279 | 751.953 | 657.959 | 584.853 | 526.367 | 478.516 | 438.640 | 404.898 | 375.977 |
| **40К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1060.097 | 971.755 | 832.933 | 728.816 | 647.837 | 583.053 | 530.048 | 485.878 | 448.502 | 416.467 |
| **40К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1079.728 | 925.481 | 809.796 | 719.819 | 647.837 | 588.943 | 539.864 | 498.336 | 462.741 |
| **40К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1174.204 | 1006.461 | 880.653 | 782.803 | 704.523 | 640.475 | 587.102 | 541.940 | 503.230 |
| **40К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1295.674 | 1110.577 | 971.755 | 863.782 | 777.404 | 706.731 | 647.837 | 598.003 | 555.289 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



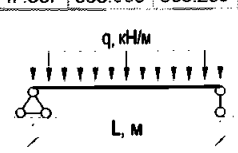



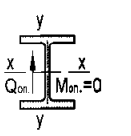
Таблица 6.4.4

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 191.400 | 143.550 | 114.840 | 95.700 | 82.029 | 71.775 | 63.800 | 57.420 | 52.200 | 47.850 | 41.014 | 35.888 | 31.900 | 28.710 | 26.100 | 23.925 | 22.085 | 20.507 |
| 20С1 | Оп.реб. | 293.990 | 235.192 | 195.994 | 167.995 | 146.995 | 130.662 | 117.596 | 106.906 | 97.997 | 83.997 | 73.498 | 65.331 | 58.798 | 53.453 | 48.998 | 45.229 | 41.999 |
| 25С1 | Оп.реб. | Оп.реб. | 271.941 | 226.618 | 194.244 | 169.963 | 151.078 | 135.971 | 123.610 | 113.309 | 97.122 | 84.982 | 75.539 | 67.985 | 61.805 | 56.654 | 52.296 | 48.561 |
| 25С2 | Оп.реб. | Оп.реб. | 346.107 | 288.422 | 247.219 | 216.317 | 192.282 | 173.053 | 157.321 | 144.211 | 123.610 | 108.158 | 96.141 | 86.527 | 78.661 | 72.106 | 66.559 | 61.805 |
| 30С1 | Оп.реб. | Оп.реб. | Оп.реб. | 300.672 | 257.719 | 225.504 | 200.448 | 180.403 | 164.003 | 150.336 | 128.859 | 112.752 | 100.224 | 90.202 | 82.001 | 75.168 | 69.386 | 64.430 |
| 30С2 | Оп.реб. | Оп.реб. | Оп.реб. | 375.840 | 322.149 | 281.880 | 250.560 | 225.504 | 205.004 | 187.920 | 161.074 | 140.940 | 125.280 | 112.752 | 102.502 | 93.960 | 86.732 | 80.537 |
| 32С1 | Оп.реб. | Оп.реб. | Оп.реб. | 611.157 | 523.849 | 458.368 | 407.438 | 366.694 | 333.358 | 305.578 | 261.924 | 229.184 | 203.719 | 183.347 | 166.679 | 152.789 | 141.036 | 130.962 |
| 32С2 | Оп.реб. | Оп.реб. | Оп.реб. | 746.696 | 640.025 | 560.022 | 497.797 | 448.017 | 407.289 | 373.348 | 320.012 | 280.011 | 248.899 | 224.009 | 203.644 | 186.674 | 172.314 | 160.006 |
| 35С1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 322.626 | 282.298 | 250.931 | 225.838 | 205.307 | 188.198 | 161.313 | 141.149 | 125.466 | 112.919 | 102.654 | 94.099 | 86.861 | 80.656 |
| 35С2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 397.078 | 347.443 | 308.838 | 277.955 | 252.686 | 231.629 | 198.539 | 173.722 | 154.419 | 138.977 | 126.343 | 115.814 | 106.906 | 99.269 |
| 35С3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 471.530 | 412.589 | 366.746 | 330.071 | 300.065 | 275.059 | 235.765 | 206.294 | 183.373 | 165.036 | 150.032 | 137.530 | 126.950 | 117.883 |
| 40С1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 427.145 | 373.752 | 332.224 | 299.002 | 271.820 | 249.168 | 213.573 | 186.876 | 166.112 | 149.501 | 135.910 | 124.584 | 115.001 | 106.786 |
| 40С2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 512.574 | 448.502 | 398.669 | 358.802 | 326.184 | 299.002 | 256.287 | 224.251 | 199.334 | 179.401 | 163.092 | 149.501 | 138.001 | 128.144 |
| 40С3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 573.086 | 501.451 | 445.734 | 401.160 | 364.691 | 334.300 | 286.543 | 250.725 | 222.867 | 200.580 | 182.346 | 167.150 | 154.292 | 143.272 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | Оп.реб. | 159.958 | 127.967 | 106.639 | 91.405 | 79.979 | 71.093 | 63.983 | 58.167 | 53.319 | 45.702 | 39.990 | 35.546 | 31.992 | 29.083 | 26.660 | 24.609 | 22.851 |
| 20ДБ2 | Оп.реб. | 168.911 | 135.129 | 112.607 | 96.520 | 84.455 | 75.071 | 67.564 | 61.422 | 56.304 | 48.260 | 42.228 | 37.536 | 33.782 | 30.711 | 28.152 | 25.986 | 24.130 |
| 25ДБ1 | Оп.реб. | 203.406 | 162.725 | 135.604 | 116.232 | 101.703 | 90.403 | 81.362 | 73.966 | 67.802 | 58.116 | 50.852 | 45.201 | 40.681 | 36.983 | 33.901 | 31.293 | 29.058 |
| 25ДБ2 | Оп.реб. | Оп.реб. | 164.307 | 136.923 | 117.362 | 102.692 | 91.282 | 82.154 | 74.685 | 68.461 | 58.681 | 51.346 | 45.641 | 41.077 | 37.343 | 34.231 | 31.598 | 29.341 |
| 25ДБ3 | Оп.реб. | Оп.реб. | 188.100 | 156.750 | 134.357 | 117.563 | 104.500 | 94.050 | 85.500 | 78.375 | 67.179 | 58.781 | 52.250 | 47.025 | 42.750 | 39.188 | 36.173 | 33.589 |
| 25ДБ4 | Оп.реб. | 212.103 | 169.682 | 141.402 | 121.202 | 106.052 | 94.268 | 84.841 | 77.128 | 70.701 | 60.601 | 53.026 | 47.134 | 42.421 | 38.564 | 35.351 | 32.631 | 30.300 |
| 25ДБ5 | Оп.реб. | Оп.реб. | 176.100 | 146.750 | 125.786 | 110.063 | 97.833 | 88.050 | 80.046 | 73.375 | 62.893 | 55.031 | 48.917 | 44.025 | 40.023 | 36.688 | 33.865 | 31.446 |
| 25ДБ6 | Оп.реб. | Оп.реб. | 203.121 | 169.267 | 145.086 | 126.950 | 112.845 | 101.560 | 92.328 | 84.634 | 72.543 | 63.475 | 56.422 | 50.780 | 46.164 | 42.317 | 39.062 | 36.272 |
| 30ДБ1 | Оп.реб. | 253.344 | 202.675 | 168.896 | 144.768 | 126.672 | 112.597 | 101.338 | 92.125 | 84.448 | 72.384 | 63.336 | 56.299 | 50.669 | 46.063 | 42.224 | 38.976 | 36.192 |
| 30ДБ2 | Оп.реб. | 267.715 | 214.172 | 178.477 | 152.980 | 133.858 | 118.984 | 107.086 | 97.351 | 89.238 | 76.490 | 66.929 | 59.492 | 53.543 | 48.675 | 44.619 | 41.187 | 38.245 |
| 30ДБ3 | Оп.реб. | Оп.реб. | 195.516 | 162.930 | 139.654 | 122.197 | 108.620 | 97.758 | 88.871 | 81.465 | 69.827 | 61.099 | 54.310 | 48.879 | 44.435 | 40.732 | 37.599 | 34.914 |

| С255Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30ДБ4 | Оп.реб. | Оп.реб. | 213.584 | 177.987 | 152.560 | 133.490 | 118.658 | 106.792 | 97.084 | 88.993 | 76.280 | 66.745 | 59.329 | 53.396 | 48.542 | 44.497 | 41.074 | 38.140 |
| 30ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 204.954 | 175.675 | 153.716 | 136.636 | 122.973 | 111.793 | 102.477 | 87.838 | 76.858 | 68.318 | 61.486 | 55.897 | 51.239 | 47.297 | 43.919 |
| 30ДБ6 | Оп.реб. | Оп.реб. | 188.822 | 157.352 | 134.873 | 118.014 | 104.901 | 94.411 | 85.828 | 78.676 | 67.436 | 59.007 | 52.451 | 47.206 | 42.914 | 39.338 | 36.312 | 33.718 |
| 30ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 176.207 | 151.034 | 132.155 | 117.471 | 105.724 | 96.113 | 88.103 | 75.517 | 66.078 | 58.736 | 52.862 | 48.056 | 44.052 | 40.663 | 37.759 |
| 30ДБ8 | Оп.реб. | Оп.реб. | 248.616 | 207.180 | 177.583 | 155.385 | 138.120 | 124.308 | 113.007 | 103.590 | 88.791 | 77.692 | 69.060 | 62.154 | 56.504 | 51.795 | 47.811 | 44.396 |
| 35ДБ1 | Оп.реб. | 279.212 | 223.370 | 186.141 | 159.550 | 139.606 | 124.094 | 111.685 | 101.532 | 93.071 | 79.775 | 69.803 | 62.047 | 55.842 | 50.766 | 46.535 | 42.956 | 39.887 |
| 35ДБ2 | Оп.реб. | Оп.реб. | 240.025 | 200.021 | 171.447 | 150.016 | 133.347 | 120.013 | 109.102 | 100.011 | 85.723 | 75.008 | 66.674 | 60.006 | 54.551 | 50.005 | 46.159 | 42.862 |
| 35ДБ3 | Оп.реб. | Оп.реб. | 266.053 | 221.711 | 190.038 | 166.283 | 147.807 | 133.026 | 120.933 | 110.855 | 95.019 | 83.142 | 73.904 | 66.513 | 60.467 | 55.428 | 51.164 | 47.509 |
| 35ДБ4 | Оп.реб. | Оп.реб. | 266.035 | 221.695 | 190.025 | 166.272 | 147.797 | 133.017 | 120.925 | 110.848 | 95.012 | 83.136 | 73.898 | 66.509 | 60.462 | 55.424 | 51.160 | 47.506 |
| 35ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 243.249 | 208.499 | 182.437 | 162.166 | 145.950 | 132.681 | 121.625 | 104.250 | 91.218 | 81.083 | 72.975 | 66.341 | 60.812 | 56.134 | 52.125 |
| 35ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 280.030 | 240.025 | 210.022 | 186.686 | 168.018 | 152.743 | 140.015 | 120.013 | 105.011 | 93.343 | 84.009 | 76.372 | 70.007 | 64.622 | 60.006 |
| 35ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 211.716 | 188.192 | 169.373 | 153.975 | 141.144 | 120.981 | 105.858 | 94.096 | 84.686 | 76.988 | 70.572 | 65.143 | 60.490 |
| 35ДБ8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 234.148 | 208.132 | 187.319 | 170.290 | 156.099 | 133.799 | 117.074 | 104.066 | 93.659 | 85.145 | 78.049 | 72.046 | 66.900 |
| 35ДБ9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 254.059 | 225.831 | 203.248 | 184.771 | 169.373 | 145.177 | 127.030 | 112.915 | 101.624 | 92.385 | 84.686 | 78.172 | 72.588 |
| 35ДБ10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 277.125 | 246.333 | 221.700 | 201.546 | 184.750 | 158.357 | 138.563 | 123.167 | 110.850 | 100.773 | 92.375 | 85.269 | 79.179 |
| 40ДБ1 | Оп.реб. | Оп.реб. | 283.151 | 235.959 | 202.251 | 176.970 | 157.306 | 141.576 | 128.705 | 117.980 | 101.125 | 88.485 | 78.653 | 70.788 | 64.353 | 58.990 | 54.452 | 50.563 |
| 40ДБ2 | Оп.реб. | Оп.реб. | 296.685 | 247.238 | 211.918 | 185.428 | 164.825 | 148.343 | 134.857 | 123.619 | 105.959 | 92.714 | 82.413 | 74.171 | 67.428 | 61.809 | 57.055 | 52.980 |
| 40ДБ3 | Оп.реб. | Оп.реб. | 318.378 | 265.315 | 227.413 | 198.986 | 176.877 | 159.189 | 144.717 | 132.658 | 113.707 | 99.493 | 88.438 | 79.595 | 72.359 | 66.329 | 61.227 | 56.853 |
| 40ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | 272.533 | 233.600 | 204.400 | 181.689 | 163.520 | 148.654 | 136.267 | 116.800 | 102.200 | 90.844 | 81.760 | 74.327 | 68.133 | 62.892 | 58.400 |
| 40ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 311.303 | 266.831 | 233.477 | 207.535 | 186.782 | 169.802 | 155.652 | 133.416 | 116.739 | 103.768 | 93.391 | 84.901 | 77.826 | 71.839 | 66.708 |
| 40ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 342.961 | 293.967 | 257.221 | 228.641 | 205.777 | 187.070 | 171.480 | 146.983 | 128.610 | 114.320 | 102.888 | 93.535 | 85.740 | 79.145 | 73.492 |
| 40ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 384.985 | 329.987 | 288.738 | 256.656 | 230.991 | 209.992 | 192.492 | 164.993 | 144.369 | 128.328 | 115.495 | 104.996 | 96.246 | 88.843 | 82.497 |
| 45ДБ1 | Оп.реб. | Оп.реб. | 362.570 | 302.142 | 258.979 | 226.606 | 201.428 | 181.285 | 164.805 | 151.071 | 129.489 | 113.303 | 100.714 | 90.643 | 82.402 | 75.535 | 69.725 | 64.745 |
| 45ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 318.044 | 272.609 | 238.533 | 212.029 | 190.826 | 173.479 | 159.022 | 136.305 | 119.267 | 106.015 | 95.413 | 86.739 | 79.511 | 73.395 | 68.152 |
| 45ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | 361.606 | 309.948 | 271.205 | 241.071 | 216.964 | 197.240 | 180.803 | 154.974 | 135.602 | 120.535 | 108.482 | 98.620 | 90.402 | 83.448 | 77.487 |
| 45ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | 381.297 | 326.826 | 285.972 | 254.198 | 228.778 | 207.980 | 190.648 | 163.413 | 142.986 | 127.099 | 114.389 | 103.990 | 95.324 | 87.992 | 81.706 |
| 45ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 417.238 | 357.633 | 312.929 | 278.159 | 250.343 | 227.584 | 208.619 | 178.816 | 156.464 | 139.079 | 125.171 | 113.792 | 104.310 | 96.286 | 89.408 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



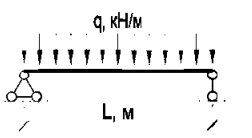



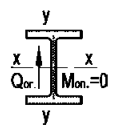
Таблица 6.4.4

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **45ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 337.291 | 289.106 | 252.968 | 224.861 | 202.375 | 183.977 | 168.645 | 144.553 | 126.484 | 112.430 | 101.187 | 91.988 | 84.323 | 77.836 | 72.277 |
| **45ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 357.466 | 306.399 | 268.099 | 238.310 | 214.479 | 194.981 | 178.733 | 153.200 | 134.050 | 119.155 | 107.240 | 97.491 | 89.366 | 82.492 | 76.600 |
| **45ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | 393.212 | 337.039 | 294.909 | 262.141 | 235.927 | 214.479 | 196.606 | 168.519 | 147.455 | 131.071 | 117.964 | 107.240 | 98.303 | 90.741 | 84.260 |
| **45ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | 416.653 | 357.132 | 312.490 | 277.769 | 249.992 | 227.266 | 208.327 | 178.566 | 156.245 | 138.884 | 124.996 | 113.633 | 104.163 | 96.151 | 89.283 |
| **45ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | 452.790 | 388.106 | 339.592 | 301.860 | 271.674 | 246.976 | 226.395 | 194.053 | 169.796 | 150.930 | 135.837 | 123.488 | 113.197 | 104.490 | 97.026 |
| **45ДБ11** | Оп.реб. | Оп.реб. | Оп.реб. | 479.376 | 410.893 | 359.532 | 319.584 | 287.625 | 261.478 | 239.688 | 205.447 | 179.766 | 159.792 | 143.813 | 130.739 | 119.844 | 110.625 | 102.723 |
| **53ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 407.129 | 356.238 | 316.656 | 284.990 | 259.082 | 237.492 | 203.564 | 178.119 | 158.328 | 142.495 | 129.541 | 118.746 | 109.612 | 101.782 |
| **53ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 435.416 | 380.989 | 338.657 | 304.791 | 277.083 | 253.993 | 217.708 | 190.495 | 169.328 | 152.396 | 138.541 | 126.996 | 117.227 | 108.854 |
| **53ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 462.640 | 404.810 | 359.831 | 323.848 | 294.407 | 269.874 | 231.320 | 202.405 | 179.916 | 161.924 | 147.204 | 134.937 | 124.557 | 115.660 |
| **53ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 500.895 | 438.283 | 389.585 | 350.626 | 318.751 | 292.189 | 250.447 | 219.142 | 194.792 | 175.313 | 159.376 | 146.094 | 134.856 | 125.224 |
| **53ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 562.297 | 492.010 | 437.342 | 393.608 | 357.825 | 328.007 | 281.149 | 246.005 | 218.671 | 196.804 | 178.913 | 164.003 | 151.388 | 140.574 |
| **60ДБ1** | Оп.реб. | Оп.реб. | Оп.реб. | 532.115 | 456.099 | 399.086 | 354.743 | 319.269 | 290.245 | 266.058 | 228.049 | 199.543 | 177.372 | 159.635 | 145.122 | 133.029 | 122.796 | 114.025 |
| **60ДБ2** | Оп.реб. | Оп.реб. | Оп.реб. | 579.601 | 496.801 | 434.701 | 386.401 | 347.761 | 316.146 | 289.800 | 248.400 | 217.350 | 193.200 | 173.880 | 158.073 | 144.900 | 133.754 | 124.200 |
| **60ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 478.737 | 418.895 | 372.351 | 335.116 | 304.651 | 279.263 | 239.368 | 209.447 | 186.175 | 167.558 | 152.325 | 139.632 | 128.891 | 119.684 |
| **60ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 510.831 | 446.977 | 397.313 | 357.581 | 325.074 | 297.985 | 255.415 | 223.488 | 198.656 | 178.791 | 162.537 | 148.992 | 137.531 | 127.708 |
| **60ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 474.416 | 421.703 | 379.533 | 345.030 | 316.277 | 271.095 | 237.208 | 210.851 | 189.766 | 172.515 | 158.139 | 145.974 | 135.547 |
| **60ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 500.321 | 444.730 | 400.257 | 363.870 | 333.547 | 285.898 | 250.160 | 222.365 | 200.128 | 181.935 | 166.774 | 153.945 | 142.949 |
| | **Тип ДК - Дополнительные колонные двутавры** | | | | | | | | | | | | | | | | | |
| **10ДК1** | 77.333 | 58.000 | 46.400 | 38.667 | 33.143 | 29.000 | 25.778 | 23.200 | 21.091 | 19.333 | 16.571 | 14.500 | 12.889 | 11.600 | 10.545 | 9.667 | 8.923 | 8.286 |
| **10ДК2** | 92.800 | 69.600 | 55.680 | 46.400 | 39.771 | 34.800 | 30.933 | 27.840 | 25.309 | 23.200 | 19.886 | 17.400 | 15.467 | 13.920 | 12.655 | 11.600 | 10.708 | 9.943 |
| **10ДК3** | 178.176 | 133.632 | 106.906 | 89.088 | 76.361 | 66.816 | 59.392 | 53.453 | 48.593 | 44.544 | 38.181 | 33.408 | 29.696 | 26.726 | 24.297 | 22.272 | 20.559 | 19.090 |
| **12ДК1** | Оп.реб. | 71.050 | 56.840 | 47.367 | 40.600 | 35.525 | 31.578 | 28.420 | 25.836 | 23.683 | 20.300 | 17.763 | 15.789 | 14.210 | 12.918 | 11.842 | 10.931 | 10.150 |
| **12ДК2** | Оп.реб. | 88.670 | 70.936 | 59.114 | 50.669 | 44.335 | 39.409 | 35.468 | 32.244 | 29.557 | 25.334 | 22.168 | 19.705 | 17.734 | 16.122 | 14.778 | 13.642 | 12.667 |
| **12ДК3** | Оп.реб. | 163.415 | 130.732 | 108.943 | 93.380 | 81.708 | 72.629 | 65.366 | 59.424 | 54.472 | 46.690 | 40.854 | 36.314 | 32.683 | 29.712 | 27.236 | 25.141 | 23.345 |
| **14ДК1** | Оп.реб. | 92.510 | 74.008 | 61.673 | 52.863 | 46.255 | 41.116 | 37.004 | 33.640 | 30.837 | 26.431 | 23.128 | 20.558 | 18.502 | 16.820 | 15.418 | 14.232 | 13.216 |
| **14ДК2** | Оп.реб. | 113.030 | 90.424 | 75.354 | 64.589 | 56.515 | 50.236 | 45.212 | 41.102 | 37.677 | 32.294 | 28.258 | 25.118 | 22.606 | 20.551 | 18.838 | 17.389 | 16.147 |
| **14ДК3** | Оп.реб. | 201.167 | 160.934 | 134.111 | 114.953 | 100.584 | 89.408 | 80.467 | 73.152 | 67.056 | 57.476 | 50.292 | 44.704 | 40.233 | 36.576 | 33.528 | 30.949 | 28.738 |

| С255Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1.5** | **2.0** | **2.5** | **3.0** | **3.5** | **4.0** | **4.5** | **5.0** | **5.5** | **6.0** | **7.0** | **8.0** | **9.0** | **10.0** | **11.0** | **12.0** | **13.0** | **14.0** |
| **15ДК1** | 155.641 | 116.731 | 93.385 | 77.821 | 66.703 | 58.365 | 51.880 | 46.692 | 42.448 | 38.910 | 33.352 | 29.183 | 25.940 | 23.346 | 21.224 | 19.455 | 17.959 | 16.676 |
| **15ДК2** | Оп.реб. | 132.449 | 105.959 | 88.299 | 75.685 | 66.224 | 58.866 | 52.980 | 48.163 | 44.150 | 37.843 | 33.112 | 29.433 | 26.490 | 24.082 | 22.075 | 20.377 | 18.921 |
| **15ДК3** | Оп.реб. | 156.500 | 125.200 | 104.333 | 89.428 | 78.250 | 69.555 | 62.600 | 56.909 | 52.167 | 44.714 | 39.125 | 34.778 | 31.300 | 28.455 | 26.083 | 24.077 | 22.357 |
| **16ДК1** | Оп.реб. | 116.580 | 93.264 | 77.720 | 66.617 | 58.290 | 51.813 | 46.632 | 42.393 | 38.860 | 33.309 | 29.145 | 25.907 | 23.316 | 21.196 | 19.430 | 17.935 | 16.654 |
| **16ДК2** | Оп.реб. | Оп.реб. | 119.378 | 99.482 | 85.270 | 74.611 | 66.321 | 59.689 | 54.263 | 49.741 | 42.635 | 37.306 | 33.161 | 29.844 | 27.131 | 24.870 | 22.957 | 21.317 |
| **16ДК3** | Оп.реб. | Оп.реб. | 200.207 | 166.839 | 143.005 | 125.129 | 111.226 | 100.103 | 91.003 | 83.419 | 71.502 | 62.565 | 55.613 | 50.052 | 45.502 | 41.710 | 38.501 | 35.751 |
| **18ДК1** | Оп.реб. | Оп.реб. | 105.792 | 88.160 | 75.566 | 66.120 | 58.773 | 52.896 | 48.087 | 44.080 | 37.783 | 33.060 | 29.387 | 26.448 | 24.044 | 22.040 | 20.345 | 18.891 |
| **18ДК2** | Оп.реб. | Оп.реб. | 140.492 | 117.076 | 100.351 | 87.807 | 78.051 | 70.246 | 63.860 | 58.538 | 50.176 | 43.904 | 39.025 | 35.123 | 31.930 | 29.269 | 27.018 | 25.088 |
| **18ДК3** | Оп.реб. | Оп.реб. | 235.211 | 196.009 | 168.008 | 147.007 | 130.673 | 117.605 | 106.914 | 98.005 | 84.004 | 73.503 | 65.336 | 58.803 | 53.457 | 49.002 | 45.233 | 42.002 |
| **20ДК1** | Оп.реб. | Оп.реб. | 145.124 | 120.937 | 103.660 | 90.703 | 80.625 | 72.562 | 65.966 | 60.468 | 51.830 | 45.351 | 40.312 | 36.281 | 32.983 | 30.234 | 27.909 | 25.915 |
| **20ДК2** | Оп.реб. | Оп.реб. | Оп.реб. | 132.548 | 113.613 | 99.411 | 88.365 | 79.529 | 72.299 | 66.274 | 56.806 | 49.706 | 44.183 | 39.764 | 36.149 | 33.137 | 30.588 | 28.403 |
| **20ДК3** | Оп.реб. | Оп.реб. | Оп.реб. | 153.358 | 131.449 | 115.018 | 102.238 | 92.015 | 83.650 | 76.679 | 65.725 | 57.509 | 51.119 | 46.007 | 41.825 | 38.339 | 35.390 | 32.862 |
| **20ДК4** | Оп.реб. | Оп.реб. | Оп.реб. | 171.517 | 147.014 | 128.638 | 114.344 | 102.910 | 93.555 | 85.758 | 73.507 | 64.319 | 57.172 | 51.455 | 46.777 | 42.879 | 39.581 | 36.754 |
| **20ДК5** | Оп.реб. | Оп.реб. | Оп.реб. | 209.029 | 179.168 | 156.772 | 139.353 | 125.417 | 114.016 | 104.514 | 89.584 | 78.386 | 69.676 | 62.709 | 57.008 | 52.257 | 48.237 | 44.792 |
| **20ДК6** | Оп.реб. | Оп.реб. | Оп.реб. | 234.179 | 200.725 | 175.634 | 156.120 | 140.508 | 127.734 | 117.090 | 100.363 | 87.817 | 78.060 | 70.254 | 63.867 | 58.545 | 54.041 | 50.181 |
| **25ДК1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 153.642 | 134.437 | 119.499 | 107.549 | 97.772 | 89.624 | 76.821 | 67.218 | 59.750 | 53.775 | 48.886 | 44.812 | 41.365 | 38.410 |
| **25ДК2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 168.084 | 147.073 | 130.732 | 117.659 | 106.962 | 98.049 | 84.042 | 73.537 | 65.366 | 58.829 | 53.481 | 49.024 | 45.253 | 42.021 |
| **25ДК3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 191.840 | 167.860 | 149.209 | 134.288 | 122.080 | 111.907 | 95.920 | 83.930 | 74.604 | 67.144 | 61.040 | 55.953 | 51.649 | 47.960 |
| **25ДК4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 212.787 | 186.188 | 165.501 | 148.951 | 135.410 | 124.126 | 106.393 | 93.094 | 82.750 | 74.475 | 67.705 | 62.063 | 57.289 | 53.197 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



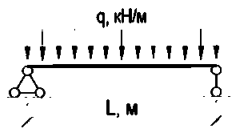
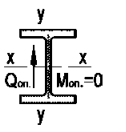



Таблица 6.4.4

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 96,918 | 72,688 | 58,151 | 48,459 | 41,536 | 36,344 | 32,306 | 29,075 | 26,432 | 24,229 | 20,768 | 18,172 | 16,153 | 14,538 | 13,216 | 12,115 | 11,183 | 10,384 |
| 12Б1 | 108,886 | 81,665 | 65,332 | 54,443 | 46,666 | 40,832 | 36,295 | 32,666 | 29,696 | 27,222 | 23,333 | 20,416 | 18,148 | 16,333 | 14,848 | 13,611 | 12,564 | 11,666 |
| 12Б2 | 126,079 | 94,559 | 75,647 | 63,040 | 54,034 | 47,280 | 42,026 | 37,824 | 34,385 | 31,520 | 27,017 | 23,640 | 21,013 | 18,912 | 17,193 | 15,760 | 14,548 | 13,508 |
| 14Б1 | 127,947 | 95,960 | 76,768 | 63,973 | 54,834 | 47,980 | 42,649 | 38,384 | 34,895 | 31,987 | 27,417 | 23,990 | 21,324 | 19,192 | 17,447 | 15,993 | 14,763 | 13,709 |
| 14Б2 | 158,250 | 118,687 | 94,950 | 79,125 | 67,821 | 59,344 | 52,750 | 47,475 | 43,159 | 39,562 | 33,911 | 29,672 | 26,375 | 23,737 | 21,580 | 19,781 | 18,260 | 16,955 |
| 16Б1 | 154,957 | 116,218 | 92,974 | 77,479 | 66,410 | 58,109 | 51,652 | 46,487 | 42,261 | 38,739 | 33,205 | 29,055 | 25,826 | 23,244 | 21,131 | 19,370 | 17,880 | 16,603 |
| 16Б2 | 193,697 | 145,273 | 116,218 | 96,848 | 83,013 | 72,636 | 64,566 | 58,109 | 52,826 | 48,424 | 41,506 | 36,318 | 32,283 | 29,055 | 26,413 | 24,212 | 22,350 | 20,753 |
| 18Б1 | 188,147 | 141,111 | 112,888 | 94,074 | 80,635 | 70,555 | 62,716 | 56,444 | 51,313 | 47,037 | 40,317 | 35,278 | 31,358 | 28,222 | 25,656 | 23,518 | 21,709 | 20,159 |
| 18Б2 | 231,903 | 173,927 | 139,142 | 115,951 | 99,387 | 86,963 | 77,301 | 69,571 | 63,246 | 57,976 | 49,693 | 43,482 | 38,650 | 34,785 | 31,623 | 28,988 | 26,758 | 24,847 |
| 20Б0 | 220,910 | 165,683 | 132,546 | 110,455 | 94,676 | 82,841 | 73,637 | 66,273 | 60,248 | 55,228 | 47,338 | 41,421 | 36,818 | 33,137 | 30,124 | 27,614 | 25,490 | 23,669 |
| 20Б1 | 270,002 | 202,501 | 162,001 | 135,001 | 115,715 | 101,251 | 90,001 | 81,000 | 73,637 | 67,500 | 57,857 | 50,625 | 45,000 | 40,500 | 36,818 | 33,750 | 31,154 | 28,929 |
| 20Б2 | 319,093 | 239,320 | 191,456 | 159,546 | 136,754 | 119,660 | 106,364 | 95,728 | 87,025 | 79,773 | 68,377 | 59,830 | 53,182 | 47,864 | 43,513 | 39,887 | 36,818 | 34,189 |
| 20Б3 | 392,730 | 294,547 | 235,638 | 196,365 | 168,313 | 147,274 | 130,910 | 117,819 | 107,108 | 98,182 | 84,156 | 73,637 | 65,455 | 58,909 | 53,554 | 49,091 | 45,315 | 42,078 |
| 25Б1 | Оп.реб. | 232,116 | 185,693 | 154,744 | 132,638 | 116,058 | 103,163 | 92,846 | 84,406 | 77,372 | 66,319 | 58,029 | 51,581 | 46,423 | 42,203 | 38,686 | 35,710 | 33,159 |
| 25Б2 | Оп.реб. | 278,539 | 222,831 | 185,693 | 159,165 | 139,270 | 123,795 | 111,416 | 101,287 | 92,846 | 79,583 | 69,635 | 61,898 | 55,708 | 50,643 | 46,423 | 42,852 | 39,791 |
| 25Б3 | Оп.реб. | 348,174 | 278,539 | 232,116 | 198,957 | 174,087 | 154,744 | 139,270 | 126,609 | 116,058 | 99,478 | 87,044 | 77,372 | 69,635 | 63,304 | 58,029 | 53,565 | 49,739 |
| 25Б4 | Оп.реб. | 417,809 | 334,247 | 278,539 | 238,748 | 208,904 | 185,693 | 167,124 | 151,930 | 139,270 | 119,374 | 104,452 | 92,846 | 83,562 | 75,965 | 69,635 | 64,278 | 59,687 |
| 30Б1 | Оп.реб. | Оп.реб. | 248,284 | 206,903 | 177,346 | 155,178 | 137,936 | 124,142 | 112,856 | 103,452 | 88,673 | 77,589 | 68,968 | 62,071 | 56,428 | 51,726 | 47,747 | 44,336 |
| 30Б2 | Оп.реб. | 366,783 | 293,427 | 244,522 | 209,590 | 183,392 | 163,015 | 146,713 | 133,376 | 122,261 | 104,795 | 91,696 | 81,507 | 73,357 | 66,688 | 61,131 | 56,428 | 52,398 |
| 30Б3 | Оп.реб. | Оп.реб. | 361,140 | 300,950 | 257,957 | 225,713 | 200,634 | 180,570 | 164,155 | 150,475 | 128,979 | 112,856 | 100,317 | 90,285 | 82,077 | 75,238 | 69,450 | 64,489 |
| 30Б4 | Оп.реб. | Оп.реб. | 428,854 | 357,379 | 306,325 | 268,034 | 238,252 | 214,427 | 194,934 | 178,689 | 153,162 | 134,017 | 119,126 | 107,214 | 97,467 | 89,345 | 82,472 | 76,581 |
| 35Б1 | Оп.реб. | Оп.реб. | 315,037 | 262,531 | 225,027 | 196,898 | 175,021 | 157,519 | 143,199 | 131,266 | 112,513 | 98,449 | 87,510 | 78,759 | 71,599 | 65,633 | 60,584 | 56,257 |
| 35Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 306,286 | 262,531 | 229,715 | 204,191 | 183,772 | 167,065 | 153,143 | 131,266 | 114,857 | 102,095 | 91,886 | 83,533 | 76,572 | 70,681 | 65,633 |
| 35Б3 | Оп.реб. | Оп.реб. | Оп.реб. | 371,919 | 318,788 | 278,939 | 247,946 | 223,152 | 202,865 | 185,960 | 159,394 | 139,470 | 123,973 | 111,576 | 101,433 | 92,980 | 85,828 | 79,697 |
| 35Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 437,552 | 375,045 | 328,164 | 291,701 | 262,531 | 238,665 | 218,776 | 187,522 | 164,082 | 145,851 | 131,266 | 119,332 | 109,388 | 100,974 | 93,761 |
| 40Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 349,241 | 299,350 | 261,931 | 232,827 | 209,545 | 190,495 | 174,621 | 149,675 | 130,965 | 116,414 | 104,772 | 95,248 | 87,310 | 80,594 | 74,837 |
| 40Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 399,133 | 342,114 | 299,350 | 266,089 | 239,480 | 217,709 | 199,566 | 171,057 | 149,675 | 133,044 | 119,740 | 108,854 | 99,783 | 92,108 | 85,528 |
| 40Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 406,260 | 355,478 | 315,980 | 284,382 | 258,529 | 236,985 | 203,130 | 177,739 | 157,990 | 142,191 | 129,265 | 118,493 | 109,378 | 101,565 |
| 40Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 470,407 | 411,606 | 365,872 | 329,285 | 299,350 | 274,404 | 235,203 | 205,803 | 182,936 | 164,642 | 149,675 | 137,202 | 126,648 | 117,602 |
| 45Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 450,358 | 386,021 | 337,769 | 300,239 | 270,215 | 245,650 | 225,179 | 193,011 | 168,884 | 150,119 | 135,108 | 122,825 | 112,590 | 103,929 | 96,505 |
| 45Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 506,653 | 434,274 | 379,990 | 337,769 | 303,992 | 276,356 | 253,327 | 217,137 | 189,995 | 168,884 | 151,996 | 138,178 | 126,663 | 116,920 | 108,569 |
| 45Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 506,653 | 443,322 | 394,064 | 354,657 | 322,416 | 295,548 | 253,327 | 221,661 | 197,032 | 177,329 | 161,208 | 147,774 | 136,407 | 126,663 |
| 45Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 579,032 | 506,653 | 450,358 | 405,323 | 368,475 | 337,769 | 289,516 | 253,327 | 225,179 | 202,661 | 184,238 | 168,884 | 155,893 | 144,758 |
| 50Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 549,395 | 470,910 | 412,046 | 366,263 | 329,637 | 299,670 | 274,697 | 235,455 | 206,023 | 183,132 | 164,818 | 149,835 | 137,349 | 126,783 | 117,727 |
| 50Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 481,612 | 421,411 | 374,587 | 337,128 | 306,480 | 280,940 | 240,806 | 210,705 | 187,294 | 168,564 | 153,240 | 140,470 | 129,665 | 120,403 |
| 50Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 535,125 | 468,234 | 416,208 | 374,587 | 340,534 | 312,156 | 267,562 | 234,117 | 208,104 | 187,294 | 170,267 | 156,078 | 144,072 | 133,781 |
| 50Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 642,149 | 561,881 | 499,450 | 449,505 | 408,641 | 374,587 | 321,075 | 280,940 | 249,725 | 224,752 | 204,320 | 187,294 | 172,886 | 160,537 |
| 50Б5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 779,421 | 681,993 | 606,216 | 545,594 | 495,995 | 454,662 | 389,710 | 340,997 | 303,108 | 272,797 | 247,997 | 227,331 | 209,844 | 194,855 |
| 55Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 560,509 | 490,445 | 435,951 | 392,356 | 356,687 | 326,963 | 280,254 | 245,223 | 217,976 | 196,178 | 178,344 | 163,482 | 150,906 | 140,127 |
| 55Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 590,009 | 516,258 | 458,896 | 413,006 | 375,460 | 344,172 | 295,005 | 258,129 | 229,448 | 206,503 | 187,730 | 172,086 | 158,849 | 147,502 |
| 55Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 708,011 | 619,510 | 550,675 | 495,608 | 450,552 | 413,006 | 354,005 | 309,755 | 275,338 | 247,804 | 225,276 | 206,503 | 190,618 | 177,003 |
| 55Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 802,070 | 701,812 | 623,833 | 561,449 | 510,408 | 467,874 | 401,035 | 350,906 | 311,916 | 280,725 | 255,204 | 233,937 | 215,942 | 200,518 |
| 60Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 647,181 | 566,283 | 503,363 | 453,026 | 411,842 | 377,522 | 323,590 | 283,142 | 251,681 | 226,513 | 205,921 | 188,761 | 174,241 | 161,795 |
| 60Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 711,899 | 622,911 | 553,699 | 498,329 | 453,026 | 415,274 | 355,949 | 311,456 | 276,849 | 249,165 | 226,513 | 207,637 | 191,665 | 177,975 |
| 60Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 808,976 | 707,854 | 629,203 | 566,283 | 514,803 | 471,903 | 404,488 | 353,927 | 314,602 | 283,142 | 257,401 | 235,951 | 217,801 | 202,244 |
| 60Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 942,633 | 824,804 | 733,159 | 659,843 | 599,857 | 549,869 | 471,316 | 412,402 | 366,579 | 329,921 | 299,929 | 274,935 | 253,786 | 235,658 |
| 70Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 792,396 | 704,352 | 633,917 | 576,288 | 528,264 | 452,798 | 396,198 | 352,176 | 316,958 | 288,144 | 264,132 | 243,814 | 226,399 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



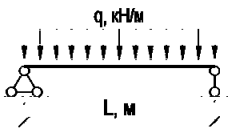



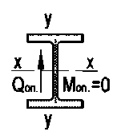
Таблица 6.4.4

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 70Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 858,429 | 763,048 | 686,743 | 624,312 | 572,286 | 490,531 | 429,215 | 381,524 | 343,372 | 312,156 | 286,143 | 264,132 | 245,265 |
| 70Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 929,726 | 826,423 | 743,780 | 676,164 | 619,817 | 531,272 | 464,863 | 413,211 | 371,890 | 338,082 | 309,909 | 286,069 | 265,636 |
| 70Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1090,023 | 968,909 | 872,018 | 792,744 | 726,682 | 622,870 | 545,012 | 484,455 | 436,009 | 396,372 | 363,341 | 335,392 | 311,435 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | Оп.реб. | 176,088 | 140,870 | 117,392 | 100,622 | 88,044 | 78,261 | 70,435 | 64,032 | 58,696 | 50,311 | 44,022 | 39,131 | 35,218 | 32,016 | 29,348 | 27,090 | 25,155 |
| 20Ш1 | Оп.реб. | 211,306 | 169,044 | 140,870 | 120,746 | 105,653 | 93,914 | 84,522 | 76,838 | 70,435 | 60,373 | 52,826 | 46,957 | 42,261 | 38,419 | 35,218 | 32,509 | 30,187 |
| 20Ш2 | Оп.реб. | 264,132 | 211,306 | 176,088 | 150,933 | 132,066 | 117,392 | 105,653 | 96,048 | 88,044 | 75,466 | 66,033 | 58,696 | 52,826 | 48,024 | 44,022 | 40,636 | 37,733 |
| 20Ш3 | Оп.реб. | 316,958 | 253,567 | 211,306 | 181,119 | 158,479 | 140,870 | 126,783 | 115,258 | 105,653 | 90,560 | 79,240 | 70,435 | 63,392 | 57,629 | 52,826 | 48,763 | 45,280 |
| 20Ш4 | Оп.реб. | Оп.реб. | 309,915 | 258,262 | 221,368 | 193,697 | 172,175 | 154,957 | 140,870 | 129,131 | 110,684 | 96,848 | 86,087 | 77,479 | 70,435 | 64,566 | 59,599 | 55,342 |
| 20Ш5 | Оп.реб. | Оп.реб. | 355,647 | 296,372 | 254,033 | 222,279 | 197,582 | 177,823 | 161,658 | 148,186 | 127,017 | 111,140 | 98,791 | 88,912 | 80,829 | 74,093 | 68,394 | 63,508 |
| 20Ш6 | Оп.реб. | Оп.реб. | 437,719 | 364,766 | 312,656 | 273,574 | 243,177 | 218,860 | 198,963 | 182,383 | 156,328 | 136,787 | 121,589 | 109,430 | 99,482 | 91,191 | 84,177 | 78,164 |
| 25Ш0 | Оп.реб. | Оп.реб. | 213,227 | 177,689 | 152,305 | 133,267 | 118,459 | 106,613 | 96,921 | 88,844 | 76,152 | 66,633 | 59,230 | 53,307 | 48,461 | 44,422 | 41,005 | 38,076 |
| 25Ш1 | Оп.реб. | Оп.реб. | 248,764 | 207,304 | 177,689 | 155,478 | 138,202 | 124,382 | 113,075 | 103,652 | 88,844 | 77,739 | 69,101 | 62,191 | 56,537 | 51,826 | 47,839 | 44,422 |
| 25Ш2 | Оп.реб. | Оп.реб. | 302,071 | 251,726 | 215,765 | 188,794 | 167,817 | 151,035 | 137,305 | 125,863 | 107,882 | 94,397 | 83,909 | 75,518 | 68,652 | 62,931 | 58,091 | 53,941 |
| 25Ш3 | Оп.реб. | Оп.реб. | 373,146 | 310,955 | 266,533 | 233,217 | 207,304 | 186,573 | 169,612 | 155,478 | 133,267 | 116,608 | 103,652 | 93,287 | 84,806 | 77,739 | 71,759 | 66,633 |
| 25Ш4 | Оп.реб. | Оп.реб. | 448,600 | 373,833 | 320,428 | 280,375 | 249,222 | 224,300 | 203,909 | 186,917 | 160,214 | 140,187 | 124,611 | 112,150 | 101,955 | 93,458 | 86,269 | 80,107 |
| 25Ш5 | Оп.реб. | Оп.реб. | 552,123 | 460,102 | 394,373 | 345,077 | 306,735 | 276,061 | 250,965 | 230,051 | 197,187 | 172,538 | 153,367 | 138,031 | 125,482 | 115,026 | 106,177 | 98,593 |
| 25Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | 546,372 | 468,319 | 409,779 | 364,248 | 327,823 | 298,021 | 273,186 | 234,159 | 204,889 | 182,124 | 163,911 | 149,010 | 136,593 | 126,086 | 117,080 |
| 30Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | 252,126 | 216,108 | 189,095 | 168,084 | 151,276 | 137,523 | 126,063 | 108,054 | 94,547 | 84,042 | 75,638 | 68,762 | 63,032 | 58,183 | 54,027 |
| 30Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 288,144 | 246,981 | 216,108 | 192,096 | 172,886 | 157,169 | 144,072 | 123,490 | 108,054 | 96,048 | 86,443 | 78,585 | 72,036 | 66,495 | 61,745 |
| 30Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | 324,162 | 277,853 | 243,122 | 216,108 | 194,497 | 176,816 | 162,081 | 138,927 | 121,561 | 108,054 | 97,249 | 88,408 | 81,041 | 74,807 | 69,463 |
| 30Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | 396,198 | 339,598 | 297,149 | 264,132 | 237,719 | 216,108 | 198,099 | 169,799 | 148,574 | 132,066 | 118,859 | 108,054 | 99,050 | 91,430 | 84,900 |
| 30Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | 454,662 | 389,710 | 340,997 | 303,108 | 272,797 | 247,997 | 227,331 | 194,855 | 170,498 | 151,554 | 136,399 | 123,999 | 113,666 | 104,922 | 97,428 |
| 30Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 479,643 | 419,688 | 373,056 | 335,750 | 305,228 | 279,792 | 239,822 | 209,844 | 186,528 | 167,875 | 152,614 | 139,896 | 129,135 | 119,911 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 599,554 | 524,610 | 466,320 | 419,688 | 381,535 | 349,740 | 299,777 | 262,305 | 233,160 | 209,844 | 190,767 | 174,870 | 161,418 | 149,889 |
| 35Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 285,400 | 249,725 | 221,978 | 199,780 | 181,618 | 166,483 | 142,700 | 124,862 | 110,989 | 99,890 | 90,809 | 83,242 | 76,838 | 71,350 |
| 35Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 321,075 | 280,940 | 249,725 | 224,752 | 204,320 | 187,294 | 160,537 | 140,470 | 124,862 | 112,376 | 102,160 | 93,647 | 86,443 | 80,269 |
| 35Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 392,425 | 343,372 | 305,219 | 274,697 | 249,725 | 228,914 | 196,212 | 171,686 | 152,610 | 137,349 | 124,862 | 114,457 | 105,653 | 98,106 |
| 35Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 450,332 | 394,040 | 350,258 | 315,232 | 286,575 | 262,694 | 225,166 | 197,020 | 175,129 | 157,616 | 143,287 | 131,347 | 121,243 | 112,583 |
| 35Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 554,255 | 484,973 | 431,087 | 387,978 | 352,707 | 323,315 | 277,127 | 242,486 | 215,543 | 193,989 | 176,354 | 161,658 | 149,222 | 138,564 |
| 35Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 575,905 | 511,916 | 460,724 | 418,840 | 383,937 | 329,089 | 287,953 | 255,958 | 230,362 | 209,420 | 191,968 | 177,202 | 164,544 |
| 35Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 697,148 | 619,687 | 557,719 | 507,017 | 464,766 | 398,371 | 348,574 | 309,844 | 278,859 | 253,509 | 232,383 | 214,507 | 199,185 |
| 40Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 388,880 | 340,270 | 302,462 | 272,216 | 247,469 | 226,847 | 194,440 | 170,135 | 151,231 | 136,108 | 123,735 | 113,423 | 104,698 | 97,220 |
| 40Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 318,381 | 286,543 | 260,494 | 238,786 | 204,674 | 179,090 | 159,191 | 143,272 | 130,247 | 119,393 | 110,209 | 102,337 |
| 40Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 382,058 | 343,852 | 312,593 | 286,543 | 245,608 | 214,907 | 191,029 | 171,926 | 156,296 | 143,272 | 132,251 | 122,804 |
| 40Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 448,272 | 403,445 | 366,768 | 336,204 | 288,175 | 252,153 | 224,136 | 201,722 | 183,384 | 168,102 | 155,171 | 144,087 |
| 40Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 541,018 | 486,916 | 442,651 | 405,763 | 347,797 | 304,322 | 270,509 | 243,458 | 221,325 | 202,882 | 187,275 | 173,899 |
| 40Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 649,221 | 584,299 | 531,181 | 486,916 | 417,356 | 365,187 | 324,611 | 292,149 | 265,590 | 243,458 | 224,730 | 208,678 |
| 40Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 749,811 | 674,830 | 613,482 | 562,358 | 482,021 | 421,769 | 374,906 | 337,415 | 306,741 | 281,179 | 259,550 | 241,011 |
| 45Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 404,202 | 359,291 | 323,362 | 293,965 | 269,468 | 230,973 | 202,101 | 179,645 | 161,681 | 146,983 | 134,734 | 124,370 | 115,486 |
| 45Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 395,220 | 355,698 | 323,362 | 296,415 | 254,070 | 222,311 | 197,610 | 177,849 | 161,681 | 148,207 | 136,807 | 127,035 |
| 45Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 453,539 | 408,185 | 371,078 | 340,155 | 291,561 | 255,116 | 226,770 | 204,093 | 185,539 | 170,077 | 156,994 | 145,781 |
| 45Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 523,315 | 470,983 | 428,167 | 392,486 | 336,417 | 294,365 | 261,657 | 235,492 | 214,083 | 196,243 | 181,147 | 168,208 |
| 45Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 627,978 | 565,180 | 513,800 | 470,983 | 403,700 | 353,237 | 313,989 | 282,590 | 256,900 | 235,492 | 217,377 | 201,850 |
| 45Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 732,641 | 659,376 | 599,433 | 549,480 | 470,983 | 412,110 | 366,320 | 329,688 | 299,717 | 274,740 | 253,606 | 235,492 |
| 45Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 761,540 | 692,309 | 634,617 | 543,957 | 475,963 | 423,078 | 380,770 | 346,155 | 317,308 | 292,900 | 271,979 |
| 50Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 497,449 | 442,177 | 397,959 | 361,781 | 331,632 | 284,256 | 248,724 | 221,088 | 198,979 | 180,890 | 165,816 | 153,061 | 142,128 |
| 50Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 749,403 | 655,728 | 582,869 | 524,582 | 476,893 | 437,152 | 374,702 | 327,864 | 291,435 | 262,291 | 238,446 | 218,576 | 201,762 | 187,351 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



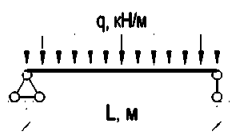



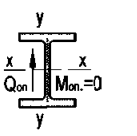
Таблица 6.4.4

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 50Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 680,633 | 605,007 | 544,506 | 495,006 | 453,755 | 388,933 | 340,316 | 302,504 | 272,253 | 247,503 | 226,878 | 209,426 | 194,467 |
| 50Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 724,545 | 644,040 | 579,636 | 526,942 | 483,030 | 414,026 | 362,272 | 322,020 | 289,818 | 263,471 | 241,515 | 222,937 | 207,013 |
| 50Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 834,324 | 741,622 | 667,459 | 606,781 | 556,216 | 476,757 | 417,162 | 370,811 | 333,730 | 303,391 | 278,108 | 256,715 | 238,378 |
| 50Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 858,720 | 772,848 | 702,589 | 644,040 | 552,034 | 483,030 | 429,360 | 386,424 | 351,294 | 322,020 | 297,249 | 276,017 |
| 50Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1014,850 | 913,365 | 830,332 | 761,138 | 652,404 | 570,853 | 507,425 | 456,683 | 415,166 | 380,569 | 351,294 | 326,202 |
| 50Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1136,027 | 1022,424 | 929,476 | 852,020 | 730,303 | 639,015 | 568,013 | 511,212 | 464,738 | 426,010 | 393,240 | 365,151 |
| 60Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 584,826 | 526,343 | 478,494 | 438,619 | 375,959 | 328,964 | 292,413 | 263,172 | 239,247 | 219,310 | 202,440 | 187,980 |
| 60Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 851,811 | 757,166 | 681,449 | 619,499 | 567,874 | 486,749 | 425,906 | 378,583 | 340,724 | 309,750 | 283,937 | 262,096 | 243,375 |
| 60Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 958,288 | 851,811 | 766,630 | 696,936 | 638,858 | 547,593 | 479,144 | 425,906 | 383,315 | 348,468 | 319,429 | 294,858 | 273,796 |
| 60Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1064,764 | 946,457 | 851,811 | 774,374 | 709,843 | 608,437 | 532,382 | 473,228 | 425,906 | 387,187 | 354,921 | 327,620 | 304,218 |
| 60Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1088,425 | 979,583 | 890,530 | 816,319 | 699,702 | 612,239 | 544,213 | 489,791 | 445,265 | 408,160 | 376,763 | 349,851 |
| 60Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1239,576 | 1115,618 | 1014,199 | 929,682 | 796,870 | 697,262 | 619,788 | 557,809 | 507,099 | 464,841 | 429,084 | 398,435 |
| 60Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1423,217 | 1280,895 | 1164,450 | 1067,413 | 914,925 | 800,560 | 711,608 | 640,448 | 582,225 | 533,706 | 492,652 | 457,463 |
| 60Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1652,768 | 1487,491 | 1352,265 | 1239,576 | 1062,494 | 929,682 | 826,384 | 743,746 | 676,132 | 619,788 | 572,112 | 531,247 |
| 70Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 753,799 | 678,419 | 616,745 | 565,349 | 484,585 | 424,012 | 376,899 | 339,210 | 308,372 | 282,675 | 260,930 | 242,293 |
| 70Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 844,557 | 760,102 | 691,001 | 633,418 | 542,930 | 475,064 | 422,279 | 380,051 | 345,501 | 316,709 | 292,347 | 271,465 |
| 70Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1013,469 | 912,122 | 829,202 | 760,102 | 651,516 | 570,076 | 506,734 | 456,061 | 414,601 | 380,051 | 350,816 | 325,758 |
| 70Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1154,228 | 1038,806 | 944,369 | 865,671 | 742,004 | 649,253 | 577,114 | 519,403 | 472,184 | 432,836 | 399,541 | 371,002 |
| 70Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1294,988 | 1165,489 | 1059,536 | 971,241 | 832,492 | 728,431 | 647,494 | 582,745 | 529,768 | 485,620 | 448,265 | 416,246 |
| 70Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1327,342 | 1206,674 | 1106,118 | 948,101 | 829,589 | 737,412 | 663,671 | 603,337 | 553,059 | 510,516 | 474,051 |
| 70Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1573,146 | 1430,132 | 1310,955 | 1123,675 | 983,216 | 873,970 | 786,573 | 715,066 | 655,477 | 605,056 | 561,838 |
| 70Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1810,630 | 1646,027 | 1508,858 | 1293,307 | 1131,644 | 1005,906 | 905,315 | 823,014 | 754,429 | 696,396 | 646,654 |
| | **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | |
| 15К1 | Оп.реб. | 156,078 | 124,862 | 104,052 | 89,187 | 78,039 | 69,368 | 62,431 | 56,756 | 52,026 | 44,594 | 39,020 | 34,684 | 31,216 | 28,378 | 26,013 | 24,012 | 22,297 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 15К2 | Оп.реб. | 182,091 | 145,673 | 121,394 | 104,052 | 91,046 | 80,929 | 72,836 | 66,215 | 60,697 | 52,026 | 45,523 | 40,465 | 36,418 | 33,107 | 30,349 | 28,014 | 26,013 |
| 15К3 | Оп.реб. | 221,111 | 176,888 | 147,407 | 126,349 | 110,555 | 98,271 | 88,444 | 80,404 | 73,704 | 63,174 | 55,278 | 49,136 | 44,222 | 40,202 | 36,852 | 34,017 | 31,587 |
| 15К4 | Оп.реб. | 260,130 | 208,104 | 173,420 | 148,646 | 130,065 | 115,613 | 104,052 | 94,593 | 86,710 | 74,323 | 65,033 | 57,807 | 52,026 | 47,296 | 43,355 | 40,020 | 37,161 |
| 15К5 | Оп.реб. | 312,156 | 249,725 | 208,104 | 178,375 | 156,078 | 138,736 | 124,862 | 113,511 | 104,052 | 89,187 | 78,039 | 69,368 | 62,431 | 56,756 | 52,026 | 48,024 | 44,594 |
| 20К1 | Оп.реб. | Оп.реб. | 183,132 | 152,610 | 130,808 | 114,457 | 101,740 | 91,566 | 83,242 | 76,305 | 65,404 | 57,229 | 50,870 | 45,783 | 41,621 | 38,152 | 35,218 | 32,702 |
| 20К2 | Оп.реб. | Оп.реб. | 225,393 | 187,827 | 160,995 | 140,870 | 125,218 | 112,696 | 102,451 | 93,914 | 80,497 | 70,435 | 62,609 | 56,348 | 51,226 | 46,957 | 43,345 | 40,249 |
| 20К3 | Оп.реб. | Оп.реб. | Оп.реб. | 211,306 | 181,119 | 158,479 | 140,870 | 126,783 | 115,258 | 105,653 | 90,560 | 79,240 | 70,435 | 63,392 | 57,629 | 52,826 | 48,763 | 45,280 |
| 20К4 | Оп.реб. | Оп.реб. | Оп.реб. | 246,523 | 211,306 | 184,892 | 164,349 | 147,914 | 134,467 | 123,262 | 105,653 | 92,446 | 82,174 | 73,957 | 67,234 | 61,631 | 56,890 | 52,826 |
| 20К5 | Оп.реб. | Оп.реб. | Оп.реб. | 281,741 | 241,492 | 211,306 | 187,827 | 169,044 | 153,677 | 140,870 | 120,746 | 105,653 | 93,914 | 84,522 | 76,838 | 70,435 | 65,017 | 60,373 |
| 20К6 | Оп.реб. | Оп.реб. | Оп.реб. | 319,170 | 273,574 | 239,378 | 212,780 | 191,502 | 174,093 | 159,585 | 136,787 | 119,689 | 106,390 | 95,751 | 87,046 | 79,793 | 73,655 | 68,394 |
| 20К7 | Оп.реб. | Оп.реб. | Оп.реб. | 364,766 | 312,656 | 273,574 | 243,177 | 218,860 | 198,963 | 182,383 | 156,328 | 136,787 | 121,589 | 109,430 | 99,482 | 91,191 | 84,177 | 78,164 |
| 20К8 | Оп.реб. | Оп.реб. | Оп.реб. | 410,362 | 351,739 | 307,771 | 273,574 | 246,217 | 223,834 | 205,181 | 175,869 | 153,886 | 136,787 | 123,108 | 111,917 | 102,590 | 94,699 | 87,935 |
| 25К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 203,073 | 177,689 | 157,946 | 142,151 | 129,228 | 118,459 | 101,536 | 88,844 | 78,973 | 71,076 | 64,614 | 59,230 | 54,673 | 50,768 |
| 25К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 228,457 | 199,900 | 177,689 | 159,920 | 145,382 | 133,267 | 114,229 | 99,950 | 88,844 | 79,960 | 72,691 | 66,633 | 61,508 | 57,114 |
| 25К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 253,841 | 222,111 | 197,432 | 177,689 | 161,535 | 148,074 | 126,921 | 111,056 | 98,716 | 88,844 | 80,768 | 74,037 | 68,342 | 63,460 |
| 25К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 279,225 | 244,322 | 217,175 | 195,458 | 177,689 | 162,881 | 139,613 | 122,161 | 108,588 | 97,729 | 88,844 | 81,441 | 75,176 | 69,806 |
| 25К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 317,301 | 277,639 | 246,790 | 222,111 | 201,919 | 185,093 | 158,651 | 138,819 | 123,395 | 111,056 | 100,960 | 92,546 | 85,427 | 79,325 |
| 25К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 345,077 | 301,942 | 268,393 | 241,554 | 219,594 | 201,295 | 172,538 | 150,971 | 134,197 | 120,777 | 109,797 | 100,647 | 92,905 | 86,269 |
| 25К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 394,373 | 345,077 | 306,735 | 276,061 | 250,965 | 230,051 | 197,187 | 172,538 | 153,367 | 138,031 | 125,482 | 115,026 | 106,177 | 98,593 |
| 25К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 443,670 | 388,211 | 345,077 | 310,569 | 282,336 | 258,808 | 221,835 | 194,106 | 172,538 | 155,285 | 141,168 | 129,404 | 119,450 | 110,918 |
| 25К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 492,967 | 431,346 | 383,419 | 345,077 | 313,706 | 287,564 | 246,483 | 215,673 | 191,709 | 172,538 | 156,853 | 143,782 | 132,722 | 123,242 |
| 25К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 566,912 | 496,048 | 440,931 | 396,838 | 360,762 | 330,699 | 283,456 | 248,024 | 220,466 | 198,419 | 180,381 | 165,349 | 152,630 | 141,728 |
| 30К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 243,122 | 216,108 | 194,497 | 176,816 | 162,081 | 138,927 | 121,561 | 108,054 | 97,249 | 88,408 | 81,041 | 74,807 | 69,463 |
| 30К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 270,135 | 240,120 | 216,108 | 196,462 | 180,090 | 154,363 | 135,068 | 120,060 | 108,054 | 98,231 | 90,045 | 83,118 | 77,181 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



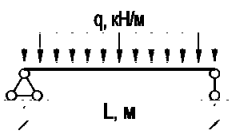



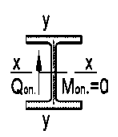
Таблица 6.4.4

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 30К3 | Оп.реб. | Оп.реб. | Оп.реб. | 540,270 | 463,089 | 405,203 | 360,180 | 324,162 | 294,693 | 270,135 | 231,544 | 202,601 | 180,090 | 162,081 | 147,346 | 135,068 | 124,678 | 115,772 |
| 30К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 297,149 | 264,132 | 237,719 | 216,108 | 198,099 | 169,799 | 148,574 | 132,066 | 118,859 | 108,054 | 99,050 | 91,430 | 84,900 |
| 30К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 324,162 | 288,144 | 259,330 | 235,754 | 216,108 | 185,235 | 162,081 | 144,072 | 129,665 | 117,877 | 108,054 | 99,742 | 92,618 |
| 30К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 340,997 | 303,108 | 272,797 | 247,997 | 227,331 | 194,855 | 170,498 | 151,554 | 136,399 | 123,999 | 113,666 | 104,922 | 97,428 |
| 30К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 380,342 | 338,082 | 304,274 | 276,613 | 253,562 | 217,338 | 190,171 | 169,041 | 152,137 | 138,306 | 126,781 | 117,028 | 108,669 |
| 30К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 338,082 | 304,274 | 276,613 | 253,562 | 217,338 | 190,171 | 169,041 | 152,137 | 138,306 | 126,781 | 117,028 | 108,669 |
| 30К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 335,750 | 305,228 | 279,792 | 239,822 | 209,844 | 186,528 | 167,875 | 152,614 | 139,896 | 129,135 | 119,911 |
| 30К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 419,688 | 377,719 | 343,381 | 314,766 | 269,799 | 236,075 | 209,844 | 188,860 | 171,691 | 157,383 | 145,277 | 134,900 |
| 30К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 466,320 | 419,688 | 381,535 | 349,740 | 299,777 | 262,305 | 233,160 | 209,844 | 190,767 | 174,870 | 161,418 | 149,889 |
| 30К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 461,657 | 419,688 | 384,714 | 329,755 | 288,536 | 256,476 | 230,828 | 209,844 | 192,357 | 177,560 | 164,877 |
| 30К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 503,626 | 457,841 | 419,688 | 359,733 | 314,766 | 279,792 | 251,813 | 228,921 | 209,844 | 193,702 | 179,866 |
| 30К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 549,666 | 499,696 | 458,055 | 392,619 | 343,541 | 305,370 | 274,833 | 249,848 | 229,028 | 211,410 | 196,309 |
| 30К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 610,740 | 555,218 | 508,950 | 436,243 | 381,713 | 339,300 | 305,370 | 277,609 | 254,475 | 234,900 | 218,121 |
| 30К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 671,814 | 610,740 | 559,845 | 479,867 | 419,884 | 373,230 | 335,907 | 305,370 | 279,923 | 258,390 | 239,934 |
| 30К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 732,888 | 666,262 | 610,740 | 523,491 | 458,055 | 407,160 | 366,444 | 333,131 | 305,370 | 281,880 | 261,746 |
| 30К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 769,532 | 699,575 | 641,277 | 549,666 | 480,958 | 427,518 | 384,766 | 349,787 | 320,639 | 295,974 | 274,833 |
| 30К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 848,459 | 771,326 | 707,049 | 606,042 | 530,287 | 471,366 | 424,229 | 385,663 | 353,525 | 326,330 | 303,021 |
| 30К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 927,385 | 843,077 | 772,821 | 662,418 | 579,616 | 515,214 | 463,693 | 421,539 | 386,411 | 356,687 | 331,209 |
| 30К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 903,155 | 827,892 | 709,622 | 620,919 | 551,928 | 496,735 | 451,577 | 413,946 | 382,104 | 354,811 |
| 35К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 277,472 | 249,725 | 227,023 | 208,104 | 178,375 | 156,078 | 138,736 | 124,862 | 113,511 | 104,052 | 96,048 | 89,187 |
| 35К1,5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 305,219 | 274,697 | 249,725 | 228,914 | 196,212 | 171,686 | 152,610 | 137,349 | 124,862 | 114,457 | 105,653 | 98,106 |
| 35К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 332,966 | 299,670 | 272,427 | 249,725 | 214,050 | 187,294 | 166,483 | 149,835 | 136,214 | 124,862 | 115,258 | 107,025 |
| 35К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 363,730 | 327,357 | 297,597 | 272,797 | 233,826 | 204,598 | 181,865 | 163,678 | 148,798 | 136,399 | 125,906 | 116,913 |
| 35К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 404,144 | 363,730 | 330,663 | 303,108 | 259,807 | 227,331 | 202,072 | 181,865 | 165,332 | 151,554 | 139,896 | 129,903 |

| С355Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 400,103 | 363,730 | 333,419 | 285,788 | 250,064 | 222,279 | 200,051 | 181,865 | 166,709 | 153,886 | 142,894 |
| 35К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 436,476 | 396,796 | 363,730 | 311,768 | 272,797 | 242,486 | 218,238 | 198,398 | 181,865 | 167,875 | 155,884 |
| 35К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 484,973 | 440,884 | 404,144 | 346,409 | 303,108 | 269,429 | 242,486 | 220,442 | 202,072 | 186,528 | 173,205 |
| 35К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 533,470 | 484,973 | 444,558 | 381,050 | 333,419 | 296,372 | 266,735 | 242,486 | 222,279 | 205,181 | 190,525 |
| 35К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 581,967 | 529,061 | 484,973 | 415,691 | 363,730 | 323,315 | 290,984 | 264,531 | 242,486 | 223,834 | 207,845 |
| 35К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 623,407 | 566,734 | 519,506 | 445,291 | 389,630 | 346,337 | 311,704 | 283,367 | 259,753 | 239,772 | 222,645 |
| 35К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 682,219 | 620,199 | 568,516 | 487,299 | 426,387 | 379,011 | 341,110 | 310,100 | 284,258 | 262,392 | 243,650 |
| 35К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 752,794 | 684,358 | 627,328 | 537,710 | 470,496 | 418,219 | 376,397 | 342,179 | 313,664 | 289,536 | 268,855 |
| 35К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 823,368 | 748,516 | 686,140 | 588,120 | 514,605 | 457,427 | 411,684 | 374,258 | 343,070 | 316,680 | 294,060 |
| 35К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 866,436 | 787,670 | 722,030 | 618,883 | 541,523 | 481,354 | 433,218 | 393,835 | 361,015 | 333,245 | 309,442 |
| 35К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 957,640 | 870,582 | 798,034 | 684,029 | 598,525 | 532,022 | 478,820 | 435,291 | 399,017 | 368,323 | 342,014 |
| 35К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1048,844 | 953,495 | 874,037 | 749,174 | 655,528 | 582,691 | 524,422 | 476,747 | 437,018 | 403,402 | 374,587 |
| 35К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1036,407 | 950,040 | 814,320 | 712,530 | 633,360 | 570,024 | 518,204 | 475,020 | 438,480 | 407,160 |
| 35К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1103,856 | 1011,868 | 867,315 | 758,901 | 674,579 | 607,121 | 551,928 | 505,934 | 467,016 | 433,658 |
| 35К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1204,207 | 1103,856 | 946,162 | 827,892 | 735,904 | 662,314 | 602,103 | 551,928 | 509,472 | 473,081 |
| 35К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1240,399 | 1137,032 | 974,599 | 852,774 | 758,021 | 682,219 | 620,199 | 568,516 | 524,784 | 487,299 |
| 35К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1354,897 | 1241,989 | 1064,562 | 931,492 | 827,993 | 745,193 | 677,448 | 620,994 | 573,226 | 532,281 |
| 35К22 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1346,946 | 1154,525 | 1010,209 | 897,964 | 808,167 | 734,698 | 673,473 | 621,667 | 577,262 |
| 35К23 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1469,395 | 1259,482 | 1102,046 | 979,597 | 881,637 | 801,488 | 734,698 | 678,182 | 629,741 |
| 35К24 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1609,338 | 1379,432 | 1207,003 | 1072,892 | 965,603 | 877,821 | 804,669 | 742,771 | 689,716 |
| 40К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 286,543 | 262,665 | 225,141 | 196,998 | 175,110 | 157,599 | 143,272 | 131,332 | 121,230 | 112,571 |
| 40К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 328,826 | 301,424 | 258,363 | 226,068 | 200,949 | 180,854 | 164,413 | 150,712 | 139,119 | 129,182 |
| 40К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 445,180 | 404,709 | 370,983 | 317,986 | 278,238 | 247,322 | 222,590 | 202,355 | 185,492 | 171,223 | 158,993 |
| 40К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 455,298 | 417,356 | 357,734 | 313,017 | 278,238 | 250,414 | 227,649 | 208,678 | 192,626 | 178,867 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



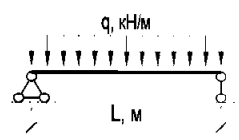
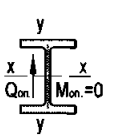



Таблица 6.4.4

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40К4,5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 556,475 | 505,887 | 463,729 | 397,482 | 347,797 | 309,153 | 278,238 | 252,943 | 231,865 | 214,029 | 198,741 |
| **40К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 639,946 | 581,770 | 533,289 | 457,105 | 399,967 | 355,526 | 319,973 | 290,885 | 266,644 | 246,133 | 228,552 |
| **40К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 695,594 | 632,358 | 579,662 | 496,853 | 434,746 | 386,441 | 347,797 | 316,179 | 289,831 | 267,536 | 248,426 |
| **40К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 755,810 | 687,100 | 629,841 | 539,864 | 472,381 | 419,894 | 377,905 | 343,550 | 314,921 | 290,696 | 269,932 |
| **40К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 836,789 | 760,717 | 697,324 | 597,707 | 522,993 | 464,883 | 418,395 | 380,359 | 348,662 | 321,842 | 298,853 |
| **40К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 944,762 | 858,875 | 787,302 | 674,830 | 590,476 | 524,868 | 472,381 | 429,437 | 393,651 | 363,370 | 337,415 |
| **40К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1020,343 | 927,585 | 850,286 | 728,816 | 637,714 | 566,857 | 510,171 | 463,792 | 425,143 | 392,440 | 364,408 |
| **40К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1124,994 | 1022,721 | 937,495 | 803,567 | 703,121 | 624,996 | 562,497 | 511,361 | 468,747 | 432,690 | 401,783 |
| **40К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1141,642 | 1046,506 | 897,005 | 784,879 | 697,670 | 627,903 | 570,821 | 523,253 | 483,003 | 448,502 |
| **40К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1220,546 | 1118,834 | 959,000 | 839,125 | 745,889 | 671,300 | 610,273 | 559,417 | 516,385 | 479,500 |
| **40К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1358,721 | 1245,494 | 1067,566 | 934,120 | 830,329 | 747,296 | 679,360 | 622,747 | 574,843 | 533,783 |
| **40К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1423,278 | 1304,671 | 1118,290 | 978,504 | 869,781 | 782,803 | 711,639 | 652,336 | 602,156 | 559,145 |
| **40К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1576,554 | 1445,174 | 1238,721 | 1083,881 | 963,450 | 867,105 | 788,277 | 722,587 | 667,004 | 619,360 |
| **40К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1605,749 | 1376,357 | 1204,312 | 1070,500 | 963,450 | 875,863 | 802,875 | 741,115 | 688,178 |
| **40К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1746,252 | 1496,788 | 1309,689 | 1164,168 | 1047,751 | 952,501 | 873,126 | 805,963 | 748,394 |
| **40К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1926,899 | 1651,628 | 1445,174 | 1284,599 | 1156,140 | 1051,036 | 963,450 | 889,338 | 825,814 |
| | **Тип С - Свайные двутавры** | | | | | | | | | | | | | | | | | |
| **13С1** | 264,132 | 198,099 | 158,479 | 132,066 | 113,199 | 99,050 | 88,044 | 79,240 | 72,036 | 66,033 | 56,600 | 49,525 | 44,022 | 39,620 | 36,018 | 33,017 | 30,477 | 28,300 |
| **20С1** | Оп.реб. | 422,611 | 338,089 | 281,741 | 241,492 | 211,306 | 187,827 | 169,044 | 153,677 | 140,870 | 120,746 | 105,653 | 93,914 | 84,522 | 76,838 | 70,435 | 65,017 | 60,373 |
| **25С1** | Оп.реб. | Оп.реб. | 390,915 | 325,763 | 279,225 | 244,322 | 217,175 | 195,458 | 177,689 | 162,881 | 139,613 | 122,161 | 108,588 | 97,729 | 88,844 | 81,441 | 75,176 | 69,806 |
| **25С2** | Оп.реб. | Оп.реб. | 497,529 | 414,607 | 355,378 | 310,955 | 276,405 | 248,764 | 226,149 | 207,304 | 177,689 | 155,478 | 138,202 | 124,382 | 113,075 | 103,652 | 95,679 | 88,844 |
| **30С1** | Оп.реб. | Оп.реб. | Оп.реб. | 432,216 | 370,471 | 324,162 | 288,144 | 259,330 | 235,754 | 216,108 | 185,235 | 162,081 | 144,072 | 129,665 | 117,877 | 108,054 | 99,742 | 92,618 |
| **30С2** | Оп.реб. | Оп.реб. | Оп.реб. | 540,270 | 463,089 | 405,203 | 360,180 | 324,162 | 294,693 | 270,135 | 231,544 | 202,601 | 180,090 | 162,081 | 147,346 | 135,068 | 124,678 | 115,772 |
| **32С1** | Оп.реб. | Оп.реб. | Оп.реб. | 890,163 | 762,997 | 667,623 | 593,442 | 534,098 | 485,544 | 445,082 | 381,499 | 333,811 | 296,721 | 267,049 | 242,772 | 222,541 | 205,422 | 190,749 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



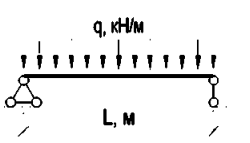
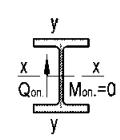




Таблица 6.4.4

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **32С2** | Оп.реб. | Оп.реб. | Оп.реб. | 1087,579 | 932,210 | 815,684 | 725,052 | 652,547 | 593,225 | 543,789 | 466,105 | 407,842 | 362,526 | 326,274 | 296,612 | 271,895 | 250,980 | 233,053 |
| **35С1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 463,775 | 405,803 | 360,714 | 324,642 | 295,129 | 270,535 | 231,887 | 202,901 | 180,357 | 162,321 | 147,565 | 135,268 | 124,862 | 115,944 |
| **35С2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 570,800 | 499,450 | 443,955 | 399,560 | 363,236 | 332,966 | 285,400 | 249,725 | 221,978 | 199,780 | 181,618 | 166,483 | 153,677 | 142,700 |
| **35С3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 677,824 | 593,096 | 527,197 | 474,477 | 431,343 | 395,398 | 338,912 | 296,548 | 263,598 | 237,239 | 215,671 | 197,699 | 182,491 | 169,456 |
| **40С1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 614,021 | 537,269 | 477,572 | 429,815 | 390,741 | 358,179 | 307,011 | 268,634 | 238,786 | 214,907 | 195,370 | 179,090 | 165,313 | 153,505 |
| **40С2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 736,825 | 644,722 | 573,086 | 515,778 | 468,889 | 429,815 | 368,413 | 322,361 | 286,543 | 257,889 | 234,444 | 214,907 | 198,376 | 184,206 |
| **40С3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 834,713 | 730,374 | 649,221 | 584,299 | 531,181 | 486,916 | 417,356 | 365,187 | 324,611 | 292,149 | 265,590 | 243,458 | 224,730 | 208,678 |
| | **Тип ДБ - Дополнительные балочные двутавры** | | | | | | | | | | | | | | | | | |
| **20ДБ1** | Оп.реб. | 220,742 | 176,594 | 147,162 | 126,138 | 110,371 | 98,108 | 88,297 | 80,270 | 73,581 | 63,069 | 55,186 | 49,054 | 44,148 | 40,135 | 36,790 | 33,960 | 31,535 |
| **20ДБ2** | Оп.реб. | 242,809 | 194,247 | 161,873 | 138,748 | 121,405 | 107,915 | 97,124 | 88,294 | 80,936 | 69,374 | 60,702 | 53,958 | 48,562 | 44,147 | 40,468 | 37,355 | 34,687 |
| **25ДБ1** | Оп.реб. | 280,700 | 224,560 | 187,134 | 160,400 | 140,350 | 124,756 | 112,280 | 102,073 | 93,567 | 80,200 | 70,175 | 62,378 | 56,140 | 51,036 | 46,783 | 43,185 | 40,100 |
| **25ДБ2** | Оп.реб. | Оп.реб. | 236,192 | 196,826 | 168,708 | 147,620 | 131,218 | 118,096 | 107,360 | 98,413 | 84,354 | 73,810 | 65,609 | 59,048 | 53,680 | 49,207 | 45,421 | 42,177 |
| **25ДБ3** | Оп.реб. | Оп.реб. | 270,394 | 225,329 | 193,139 | 168,996 | 150,219 | 135,197 | 122,907 | 112,664 | 96,569 | 84,498 | 75,110 | 67,599 | 61,453 | 56,332 | 51,999 | 48,285 |
| **25ДБ4** | Оп.реб. | 292,702 | 234,162 | 195,135 | 167,258 | 146,351 | 130,090 | 117,081 | 106,437 | 97,567 | 83,629 | 73,176 | 65,045 | 58,540 | 53,219 | 48,784 | 45,031 | 41,815 |
| **25ДБ5** | Оп.реб. | Оп.реб. | 253,144 | 210,953 | 180,817 | 158,215 | 140,636 | 126,572 | 115,066 | 105,477 | 90,409 | 79,108 | 70,318 | 63,286 | 57,533 | 52,738 | 48,682 | 45,204 |
| **25ДБ6** | Оп.реб. | Оп.реб. | 291,986 | 243,322 | 208,561 | 182,491 | 162,214 | 145,993 | 132,721 | 121,661 | 104,281 | 91,246 | 81,107 | 72,996 | 66,360 | 60,830 | 56,151 | 52,140 |
| **30ДБ1** | Оп.реб. | 349,615 | 279,692 | 233,076 | 199,780 | 174,807 | 155,384 | 139,846 | 127,133 | 116,538 | 99,890 | 87,404 | 77,692 | 69,923 | 63,566 | 58,269 | 53,787 | 49,945 |
| **30ДБ2** | Оп.реб. | 384,840 | 307,872 | 256,560 | 219,909 | 192,420 | 171,040 | 153,936 | 139,942 | 128,280 | 109,954 | 96,210 | 85,520 | 76,968 | 69,971 | 64,140 | 59,206 | 54,977 |
| **30ДБ3** | Оп.реб. | Оп.реб. | 269,812 | 224,843 | 192,723 | 168,632 | 149,895 | 134,906 | 122,642 | 112,422 | 96,361 | 84,316 | 74,948 | 67,453 | 61,321 | 56,211 | 51,887 | 48,181 |
| **30ДБ4** | Оп.реб. | Оп.реб. | 307,027 | 255,856 | 219,305 | 191,892 | 170,571 | 153,514 | 139,558 | 127,928 | 109,653 | 95,946 | 85,285 | 76,757 | 69,779 | 63,964 | 59,044 | 54,826 |
| **30ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 294,622 | 252,533 | 220,966 | 196,415 | 176,773 | 160,703 | 147,311 | 126,267 | 110,483 | 98,207 | 88,387 | 80,351 | 73,655 | 67,990 | 63,133 |
| **30ДБ6** | Оп.реб. | Оп.реб. | 271,432 | 226,193 | 193,880 | 169,645 | 150,795 | 135,716 | 123,378 | 113,097 | 96,940 | 84,822 | 75,398 | 67,858 | 61,689 | 56,548 | 52,198 | 48,470 |
| **30ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 253,297 | 217,112 | 189,973 | 168,865 | 151,978 | 138,162 | 126,649 | 108,556 | 94,986 | 84,432 | 75,989 | 69,081 | 63,324 | 58,453 | 54,278 |
| **30ДБ8** | Оп.реб. | Оп.реб. | 357,385 | 297,821 | 255,275 | 223,366 | 198,547 | 178,693 | 162,448 | 148,910 | 127,638 | 111,683 | 99,274 | 89,346 | 81,224 | 74,455 | 68,728 | 63,819 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



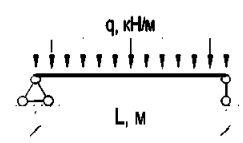
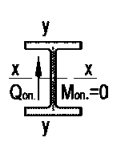



Таблица 6.4.4

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35ДБ1 | Оп.реб. | 385,313 | 308,250 | 256,875 | 220,179 | 192,656 | 171,250 | 154,125 | 140,114 | 128,438 | 110,089 | 96,328 | 85,625 | 77,063 | 70,057 | 64,219 | 59,279 | 55,045 |
| 35ДБ2 | Оп.реб. | Оп.реб. | 345,036 | 287,530 | 246,455 | 215,648 | 191,687 | 172,518 | 156,835 | 143,765 | 123,227 | 107,824 | 95,843 | 86,259 | 78,417 | 71,883 | 66,353 | 61,614 |
| 35ДБ3 | Оп.реб. | Оп.реб. | 367,153 | 305,961 | 262,252 | 229,471 | 203,974 | 183,577 | 166,888 | 152,980 | 131,126 | 114,735 | 101,987 | 91,788 | 83,444 | 76,490 | 70,606 | 65,563 |
| 35ДБ4 | Оп.реб. | Оп.реб. | 382,425 | 318,687 | 273,161 | 239,015 | 212,458 | 191,212 | 173,829 | 159,344 | 136,580 | 119,508 | 106,229 | 95,606 | 86,915 | 79,672 | 73,543 | 68,290 |
| 35ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 349,671 | 299,718 | 262,253 | 233,114 | 209,802 | 190,729 | 174,835 | 149,859 | 131,127 | 116,557 | 104,901 | 95,365 | 87,418 | 80,693 | 74,929 |
| 35ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 402,543 | 345,036 | 301,907 | 268,362 | 241,526 | 219,569 | 201,271 | 172,518 | 150,953 | 134,181 | 120,763 | 109,784 | 100,636 | 92,894 | 86,259 |
| 35ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 304,342 | 270,526 | 243,474 | 221,340 | 202,895 | 173,910 | 152,171 | 135,263 | 121,737 | 110,670 | 101,447 | 93,644 | 86,955 |
| 35ДБ8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 336,588 | 299,190 | 269,271 | 244,791 | 224,392 | 192,336 | 168,294 | 149,595 | 134,635 | 122,396 | 112,196 | 103,566 | 96,168 |
| 35ДБ9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 365,211 | 324,632 | 292,168 | 265,608 | 243,474 | 208,692 | 182,605 | 162,316 | 146,084 | 132,804 | 121,737 | 112,372 | 104,346 |
| 35ДБ10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 403,639 | 358,790 | 322,911 | 293,556 | 269,093 | 230,651 | 201,819 | 179,395 | 161,456 | 146,778 | 134,546 | 124,197 | 115,325 |
| 40ДБ1 | Оп.реб. | Оп.реб. | 390,749 | 325,624 | 279,106 | 244,218 | 217,083 | 195,374 | 177,613 | 162,812 | 139,553 | 122,109 | 108,541 | 97,687 | 88,807 | 81,406 | 75,144 | 69,777 |
| 40ДБ2 | Оп.реб. | Оп.реб. | 426,485 | 355,404 | 304,632 | 266,553 | 236,936 | 213,243 | 193,857 | 177,702 | 152,316 | 133,277 | 118,468 | 106,621 | 96,928 | 88,851 | 82,016 | 76,158 |
| 40ДБ3 | Оп.реб. | Оп.реб. | 457,669 | 381,391 | 326,906 | 286,043 | 254,260 | 228,834 | 208,031 | 190,695 | 163,453 | 143,021 | 127,130 | 114,417 | 104,016 | 95,348 | 88,013 | 81,727 |
| 40ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | 391,766 | 335,800 | 293,825 | 261,178 | 235,060 | 213,691 | 195,883 | 167,900 | 146,912 | 130,589 | 117,530 | 106,845 | 97,942 | 90,408 | 83,950 |
| 40ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 447,498 | 383,570 | 335,624 | 298,332 | 268,499 | 244,090 | 223,749 | 191,785 | 167,812 | 149,166 | 134,249 | 122,045 | 111,875 | 103,269 | 95,892 |
| 40ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 493,006 | 422,577 | 369,755 | 328,671 | 295,804 | 268,913 | 246,503 | 211,288 | 184,877 | 164,335 | 147,902 | 134,456 | 123,252 | 113,771 | 105,644 |
| 40ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 553,415 | 474,356 | 415,061 | 368,943 | 332,049 | 301,863 | 276,708 | 237,178 | 207,531 | 184,472 | 166,025 | 150,931 | 138,354 | 127,711 | 118,589 |
| 45ДБ1 | Оп.реб. | Оп.реб. | 521,195 | 434,329 | 372,282 | 325,747 | 289,553 | 260,597 | 236,907 | 217,165 | 186,141 | 162,873 | 144,776 | 130,299 | 118,453 | 108,582 | 100,230 | 93,071 |
| 45ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 457,188 | 391,876 | 342,891 | 304,792 | 274,313 | 249,376 | 228,594 | 195,938 | 171,446 | 152,396 | 137,157 | 124,688 | 114,297 | 105,505 | 97,969 |
| 45ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | 519,809 | 445,551 | 389,857 | 346,539 | 311,885 | 283,532 | 259,905 | 222,775 | 194,928 | 173,270 | 155,943 | 141,766 | 129,952 | 119,956 | 111,388 |
| 45ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | 548,114 | 469,812 | 411,085 | 365,409 | 328,868 | 298,971 | 274,057 | 234,906 | 205,543 | 182,705 | 164,434 | 149,486 | 137,028 | 126,488 | 117,453 |
| 45ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 599,780 | 514,097 | 449,835 | 399,853 | 359,868 | 327,153 | 299,890 | 257,048 | 224,917 | 199,927 | 179,934 | 163,576 | 149,945 | 138,411 | 128,524 |
| 45ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 484,856 | 415,591 | 363,642 | 323,237 | 290,913 | 264,467 | 242,428 | 207,795 | 181,821 | 161,619 | 145,457 | 132,233 | 121,214 | 111,890 | 103,898 |
| 45ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 513,857 | 440,449 | 385,393 | 342,571 | 308,314 | 280,286 | 256,928 | 220,224 | 192,696 | 171,286 | 154,157 | 140,143 | 128,464 | 118,582 | 110,112 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



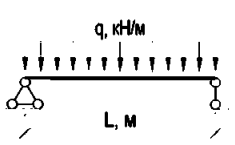
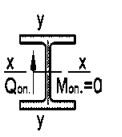




Таблица 6.4.4

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 45ДБ8 | Оп.реб. | Оп.реб. | Оп.реб. | 565,242 | 484,494 | 423,932 | 376,828 | 339,145 | 308,314 | 282,621 | 242,247 | 211,966 | 188,414 | 169,573 | 154,157 | 141,311 | 130,441 | 121,123 |
| 45ДБ9 | Оп.реб. | Оп.реб. | Оп.реб. | 598,939 | 513,377 | 449,204 | 399,293 | 359,364 | 326,694 | 299,470 | 256,688 | 224,602 | 199,646 | 179,682 | 163,347 | 149,735 | 138,217 | 128,344 |
| 45ДБ10 | Оп.реб. | Оп.реб. | Оп.реб. | 650,885 | 557,902 | 488,164 | 433,924 | 390,531 | 355,028 | 325,443 | 278,951 | 244,082 | 216,962 | 195,266 | 177,514 | 162,721 | 150,204 | 139,475 |
| 45ДБ11 | Оп.реб. | Оп.реб. | Оп.реб. | 698,221 | 598,475 | 523,666 | 465,481 | 418,933 | 380,848 | 349,110 | 299,238 | 261,833 | 232,740 | 209,466 | 190,424 | 174,555 | 161,128 | 149,619 |
| 53ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 585,248 | 512,092 | 455,193 | 409,674 | 372,430 | 341,395 | 292,624 | 256,046 | 227,596 | 204,837 | 186,215 | 170,697 | 157,567 | 146,312 |
| 53ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 625,911 | 547,672 | 486,819 | 438,137 | 398,307 | 365,114 | 312,955 | 273,836 | 243,410 | 219,069 | 199,153 | 182,557 | 168,514 | 156,478 |
| 53ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 665,045 | 581,915 | 517,258 | 465,532 | 423,211 | 387,943 | 332,523 | 290,957 | 258,629 | 232,766 | 211,605 | 193,972 | 179,051 | 166,261 |
| 53ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 729,564 | 638,369 | 567,439 | 510,695 | 464,268 | 425,579 | 364,782 | 319,184 | 283,719 | 255,348 | 232,134 | 212,790 | 196,421 | 182,391 |
| 53ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 818,998 | 716,623 | 636,998 | 573,298 | 521,180 | 477,749 | 409,499 | 358,312 | 318,499 | 286,649 | 260,590 | 238,874 | 220,499 | 204,749 |
| 60ДБ1 | Оп.реб. | Оп.реб. | Оп.реб. | 764,916 | 655,642 | 573,687 | 509,944 | 458,949 | 417,227 | 382,458 | 327,821 | 286,843 | 254,972 | 229,475 | 208,613 | 191,229 | 176,519 | 163,910 |
| 60ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 833,176 | 714,151 | 624,882 | 555,451 | 499,906 | 454,460 | 416,588 | 357,076 | 312,441 | 277,725 | 249,953 | 227,230 | 208,294 | 192,271 | 178,538 |
| 60ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 688,184 | 602,161 | 535,254 | 481,729 | 437,935 | 401,441 | 344,092 | 301,080 | 267,627 | 240,864 | 218,968 | 200,720 | 185,280 | 172,046 |
| 60ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 734,319 | 642,529 | 571,137 | 514,023 | 467,294 | 428,353 | 367,159 | 321,265 | 285,568 | 257,012 | 233,647 | 214,176 | 197,701 | 183,580 |
| 60ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 681,973 | 606,198 | 545,578 | 495,980 | 454,649 | 389,699 | 340,986 | 303,099 | 272,789 | 247,990 | 227,324 | 209,838 | 194,849 |
| 60ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 728,728 | 647,758 | 582,982 | 529,984 | 485,819 | 416,416 | 364,364 | 323,879 | 291,491 | 264,992 | 242,909 | 224,224 | 208,208 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 106,720 | 80,040 | 64,032 | 53,360 | 45,737 | 40,020 | 35,573 | 32,016 | 29,105 | 26,680 | 22,869 | 20,010 | 17,787 | 16,008 | 14,553 | 13,340 | 12,314 | 11,434 |
| 10ДК2 | 128,064 | 96,048 | 76,838 | 64,032 | 54,885 | 48,024 | 42,688 | 38,419 | 34,927 | 32,016 | 27,442 | 24,012 | 21,344 | 19,210 | 17,463 | 16,008 | 14,777 | 13,721 |
| 10ДК3 | 256,128 | 192,096 | 153,677 | 128,064 | 109,769 | 96,048 | 85,376 | 76,838 | 69,853 | 64,032 | 54,885 | 48,024 | 42,688 | 38,419 | 34,927 | 32,016 | 29,553 | 27,442 |
| 12ДК1 | Оп.реб. | 98,049 | 78,439 | 65,366 | 56,028 | 49,025 | 43,577 | 39,220 | 35,654 | 32,683 | 28,014 | 24,512 | 21,789 | 19,610 | 17,827 | 16,342 | 15,084 | 14,007 |
| 12ДК2 | Оп.реб. | 127,464 | 101,971 | 84,976 | 72,836 | 63,732 | 56,651 | 50,985 | 46,350 | 42,488 | 36,418 | 31,866 | 28,325 | 25,493 | 23,175 | 21,244 | 19,610 | 18,209 |
| 12ДК3 | Оп.реб. | 238,018 | 190,414 | 158,678 | 136,010 | 119,009 | 105,786 | 95,207 | 86,552 | 79,339 | 68,005 | 59,504 | 52,893 | 47,604 | 43,276 | 39,670 | 36,618 | 34,003 |
| 14ДК1 | Оп.реб. | 127,664 | 102,131 | 85,109 | 72,951 | 63,832 | 56,739 | 51,066 | 46,423 | 42,555 | 36,475 | 31,916 | 28,370 | 25,533 | 23,212 | 21,277 | 19,641 | 18,238 |
| 14ДК2 | Оп.реб. | 162,481 | 129,985 | 108,321 | 92,846 | 81,241 | 72,214 | 64,992 | 59,084 | 54,160 | 46,423 | 40,620 | 36,107 | 32,496 | 29,542 | 27,080 | 24,997 | 23,212 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



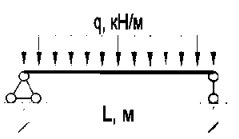
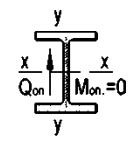



Таблица 6.4.4

| С355Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **14ДК3** | Оп.реб. | 293,004 | 234,404 | 195,336 | 167,431 | 146,502 | 130,224 | 117,202 | 106,547 | 97,668 | 83,716 | 73,251 | 65,112 | 58,601 | 53,274 | 48,834 | 45,078 | 41,858 |
| 15ДК1 | 214,785 | 161,089 | 128,871 | 107,392 | 92,051 | 80,544 | 71,595 | 64,435 | 58,578 | 53,696 | 46,025 | 40,272 | 35,797 | 32,218 | 29,289 | 26,848 | 24,783 | 23,013 |
| 15ДК2 | Оп.реб. | 182,779 | 146,223 | 121,853 | 104,445 | 91,390 | 81,235 | 73,112 | 66,465 | 60,926 | 52,223 | 45,695 | 40,618 | 36,556 | 33,233 | 30,463 | 28,120 | 26,111 |
| 15ДК3 | Оп.реб. | 224,968 | 179,975 | 149,979 | 128,553 | 112,484 | 99,986 | 89,987 | 81,807 | 74,989 | 64,277 | 56,242 | 49,993 | 44,994 | 40,903 | 37,495 | 34,611 | 32,138 |
| 16ДК1 | Оп.реб. | 160,880 | 128,704 | 107,254 | 91,932 | 80,440 | 71,502 | 64,352 | 58,502 | 53,627 | 45,966 | 40,220 | 35,751 | 32,176 | 29,251 | 26,813 | 24,751 | 22,983 |
| 16ДК2 | Оп.реб. | Оп.реб. | 171,606 | 143,005 | 122,576 | 107,254 | 95,337 | 85,803 | 78,003 | 71,502 | 61,288 | 53,627 | 47,668 | 42,901 | 39,001 | 35,751 | 33,001 | 30,644 |
| 16ДК3 | Оп.реб. | Оп.реб. | 291,605 | 243,005 | 208,290 | 182,253 | 162,003 | 145,803 | 132,548 | 121,502 | 104,145 | 91,127 | 81,002 | 72,901 | 66,274 | 60,751 | 56,078 | 52,072 |
| 18ДК1 | Оп.реб. | Оп.реб. | 145,993 | 121,661 | 104,281 | 91,246 | 81,107 | 72,996 | 66,360 | 60,830 | 52,140 | 45,623 | 40,554 | 36,498 | 33,180 | 30,415 | 28,076 | 26,070 |
| 18ДК2 | Оп.реб. | Оп.реб. | 201,957 | 168,297 | 144,255 | 126,223 | 112,198 | 100,978 | 91,799 | 84,149 | 72,127 | 63,112 | 56,099 | 50,489 | 45,899 | 42,074 | 38,838 | 36,064 |
| 18ДК3 | Оп.реб. | Оп.реб. | 342,590 | 285,491 | 244,707 | 214,119 | 190,328 | 171,295 | 155,723 | 142,746 | 122,353 | 107,059 | 95,164 | 85,647 | 77,861 | 71,373 | 65,883 | 61,177 |
| 20ДК1 | Оп.реб. | Оп.реб. | 208,616 | 173,847 | 149,012 | 130,385 | 115,898 | 104,308 | 94,826 | 86,923 | 74,506 | 65,193 | 57,949 | 52,154 | 47,413 | 43,462 | 40,119 | 37,253 |
| 20ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | 190,538 | 163,318 | 142,903 | 127,025 | 114,323 | 103,930 | 95,269 | 81,659 | 71,452 | 63,513 | 57,161 | 51,965 | 47,634 | 43,970 | 40,830 |
| 20ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | 220,452 | 188,958 | 165,339 | 146,968 | 132,271 | 120,246 | 110,226 | 94,479 | 82,669 | 73,484 | 66,135 | 60,123 | 55,113 | 50,873 | 47,240 |
| 20ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | 246,555 | 211,333 | 184,916 | 164,370 | 147,933 | 134,485 | 123,278 | 105,667 | 92,458 | 82,185 | 73,967 | 67,242 | 61,639 | 56,897 | 52,833 |
| 20ДК5 | Оп.реб. | Оп.реб. | Оп.реб. | 304,455 | 260,962 | 228,341 | 202,970 | 182,673 | 166,066 | 152,228 | 130,481 | 114,171 | 101,485 | 91,337 | 83,033 | 76,114 | 70,259 | 65,240 |
| 20ДК6 | Оп.реб. | Оп.реб. | Оп.реб. | 341,087 | 292,360 | 255,815 | 227,391 | 204,652 | 186,048 | 170,544 | 146,180 | 127,908 | 113,696 | 102,326 | 93,024 | 85,272 | 78,712 | 73,090 |
| 25ДК1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 220,860 | 193,253 | 171,780 | 154,602 | 140,547 | 128,835 | 110,430 | 96,626 | 85,890 | 77,301 | 70,274 | 64,418 | 59,462 | 55,215 |
| 25ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 241,620 | 211,418 | 187,927 | 169,134 | 153,758 | 140,945 | 120,810 | 105,709 | 93,963 | 84,567 | 76,879 | 70,473 | 65,052 | 60,405 |
| 25ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 275,770 | 241,299 | 214,488 | 193,039 | 175,490 | 160,866 | 137,885 | 120,649 | 107,244 | 96,519 | 87,745 | 80,433 | 74,246 | 68,942 |
| 25ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 305,881 | 267,646 | 237,907 | 214,117 | 194,651 | 178,431 | 152,940 | 133,823 | 118,954 | 107,058 | 97,326 | 89,215 | 82,353 | 76,470 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



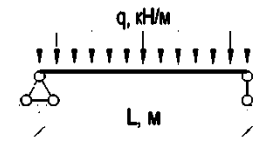
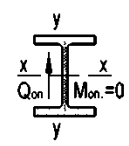




Таблица 6.4.4

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | 3,0 | **3,5** | **4,0** | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| **10Б1** | 106,750 | 80,063 | 64,050 | 53,375 | 45,750 | 40,031 | 35,583 | 32,025 | 29,114 | 26,688 | 22,875 | 20,016 | 17,792 | 16,013 | 14,557 | 13,344 | 12,317 | 11,438 |
| **12Б1** | 119,933 | 89,950 | 71,960 | 59,966 | 51,400 | 44,975 | 39,978 | 35,980 | 32,709 | 29,983 | 25,700 | 22,487 | 19,989 | 17,990 | 16,354 | 14,992 | 13,838 | 12,850 |
| **12Б2** | 138,870 | 104,152 | 83,322 | 69,435 | 59,516 | 52,076 | 46,290 | 41,661 | 37,874 | 34,717 | 29,758 | 26,038 | 23,145 | 20,830 | 18,937 | 17,359 | 16,023 | 14,879 |
| **14Б1** | 140,927 | 105,695 | 84,556 | 70,463 | 60,397 | 52,848 | 46,976 | 42,278 | 38,435 | 35,232 | 30,199 | 26,424 | 23,488 | 21,139 | 19,217 | 17,616 | 16,261 | 15,099 |
| **14Б2** | 174,304 | 130,728 | 104,582 | 87,152 | 74,702 | 65,364 | 58,101 | 52,291 | 47,537 | 43,576 | 37,351 | 32,682 | 29,051 | 26,146 | 23,769 | 21,788 | 20,112 | 18,675 |
| **16Б1** | 170,678 | 128,008 | 102,407 | 85,339 | 73,148 | 64,004 | 56,893 | 51,203 | 46,548 | 42,669 | 36,574 | 32,002 | 28,446 | 25,602 | 23,274 | 21,335 | 19,694 | 18,287 |
| **16Б2** | 213,347 | 160,010 | 128,008 | 106,674 | 91,435 | 80,005 | 71,116 | 64,004 | 58,186 | 53,337 | 45,717 | 40,003 | 35,558 | 32,002 | 29,093 | 26,668 | 24,617 | 22,859 |
| **18Б1** | 207,235 | 155,426 | 124,341 | 103,617 | 88,815 | 77,713 | 69,078 | 62,170 | 56,519 | 51,809 | 44,407 | 38,857 | 34,539 | 31,085 | 28,259 | 25,904 | 23,912 | 22,204 |
| **18Б2** | 255,429 | 191,572 | 153,257 | 127,714 | 109,470 | 95,786 | 85,143 | 76,629 | 69,662 | 63,857 | 54,735 | 47,893 | 42,571 | 38,314 | 34,831 | 31,929 | 29,473 | 27,367 |
| **20Б0** | 243,322 | 182,491 | 145,993 | 121,661 | 104,281 | 91,246 | 81,107 | 72,996 | 66,360 | 60,830 | 52,140 | 45,623 | 40,554 | 36,498 | 33,180 | 30,415 | 28,076 | 26,070 |
| **20Б1** | 297,393 | 223,045 | 178,436 | 148,697 | 127,454 | 111,522 | 99,131 | 89,218 | 81,107 | 74,348 | 63,727 | 55,761 | 49,566 | 44,609 | 40,554 | 37,174 | 34,315 | 31,864 |
| **20Б2** | 351,465 | 263,598 | 210,879 | 175,732 | 150,628 | 131,799 | 117,155 | 105,439 | 95,854 | 87,866 | 75,314 | 65,900 | 58,577 | 52,720 | 47,927 | 43,933 | 40,554 | 37,657 |
| **20Б3** | 421,188 | 315,891 | 252,713 | 210,594 | 180,509 | 157,946 | 140,396 | 126,356 | 114,870 | 105,297 | 90,255 | 78,973 | 70,198 | 63,178 | 57,435 | 52,649 | 48,599 | 45,127 |
| **25Б1** | Оп.реб. | 255,664 | 204,531 | 170,443 | 146,094 | 127,832 | 113,628 | 102,266 | 92,969 | 85,221 | 73,047 | 63,916 | 56,814 | 51,133 | 46,484 | 42,611 | 39,333 | 36,523 |
| **25Б2** | Оп.реб. | 306,797 | 245,437 | 204,531 | 175,312 | 153,398 | 136,354 | 122,719 | 111,562 | 102,266 | 87,656 | 76,699 | 68,177 | 61,359 | 55,781 | 51,133 | 47,200 | 43,828 |
| **25Б3** | Оп.реб. | 373,404 | 298,723 | 248,936 | 213,374 | 186,702 | 165,957 | 149,362 | 135,783 | 124,468 | 106,687 | 93,351 | 82,979 | 74,681 | 67,892 | 62,234 | 57,447 | 53,343 |
| **25Б4** | Оп.реб. | 448,085 | 358,468 | 298,723 | 256,048 | 224,042 | 199,149 | 179,234 | 162,940 | 149,362 | 128,024 | 112,021 | 99,574 | 89,617 | 81,470 | 74,681 | 68,936 | 64,012 |
| **30Б1** | Оп.реб. | Оп.реб. | 273,472 | 227,894 | 195,337 | 170,920 | 151,929 | 136,736 | 124,306 | 113,947 | 97,669 | 85,460 | 75,965 | 68,368 | 62,153 | 56,973 | 52,591 | 48,834 |
| **30Б2** | Оп.реб. | 403,993 | 323,195 | 269,329 | 230,853 | 201,997 | 179,553 | 161,597 | 146,907 | 134,664 | 115,427 | 100,998 | 89,776 | 80,799 | 73,453 | 67,332 | 62,153 | 57,713 |
| **30Б3** | Оп.реб. | Оп.реб. | 387,310 | 322,758 | 276,650 | 242,069 | 215,172 | 193,655 | 176,050 | 161,379 | 138,325 | 121,034 | 107,586 | 96,828 | 88,025 | 80,690 | 74,483 | 69,163 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



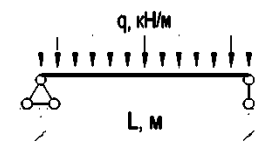
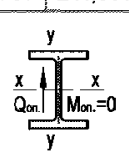



Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с **большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса** | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| **30Б4** | Оп.реб. | Оп.реб. | 459,931 | 383,276 | 328,522 | 287,457 | 255,517 | 229,965 | 209,059 | 191,638 | 164,261 | 143,728 | 127,759 | 114,983 | 104,530 | 95,819 | 88,448 | 82,130 |
| **35Б1** | Оп.реб. | Оп.реб. | 346,998 | 289,165 | 247,856 | 216,874 | 192,777 | 173,499 | 157,726 | 144,582 | 123,928 | 108,437 | 96,388 | 86,749 | 78,863 | 72,291 | 66,730 | 61,964 |
| **35Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 328,481 | 281,555 | 246,361 | 218,987 | 197,089 | 179,171 | 164,241 | 140,778 | 123,180 | 109,494 | 98,544 | 89,586 | 82,120 | 75,803 | 70,389 |
| **35Б3** | Оп.реб. | Оп.реб. | Оп.реб. | 398,870 | 341,888 | 299,152 | 265,913 | 239,322 | 217,565 | 199,435 | 170,944 | 149,576 | 132,957 | 119,661 | 108,783 | 99,717 | 92,047 | 85,472 |
| **35Б4** | Оп.реб. | Оп.реб. | Оп.реб. | 469,259 | 402,222 | 351,944 | 312,839 | 281,555 | 255,959 | 234,629 | 201,111 | 175,972 | 156,420 | 140,778 | 127,980 | 117,315 | 108,290 | 100,555 |
| **40Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 374,549 | 321,042 | 280,911 | 249,699 | 224,729 | 204,299 | 187,274 | 160,521 | 140,456 | 124,850 | 112,365 | 102,150 | 93,637 | 86,434 | 80,260 |
| **40Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 428,055 | 366,905 | 321,042 | 285,370 | 256,833 | 233,485 | 214,028 | 183,452 | 160,521 | 142,685 | 128,417 | 116,742 | 107,014 | 98,782 | 91,726 |
| **40Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 435,699 | 381,237 | 338,877 | 304,990 | 277,263 | 254,158 | 217,850 | 190,618 | 169,439 | 152,495 | 138,632 | 127,079 | 117,304 | 108,925 |
| **40Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 504,494 | 441,432 | 392,384 | 353,146 | 321,042 | 294,288 | 252,247 | 220,716 | 196,192 | 176,573 | 160,521 | 147,144 | 135,825 | 126,123 |
| **45Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 482,993 | 413,994 | 362,245 | 321,995 | 289,796 | 263,451 | 241,497 | 206,997 | 181,122 | 160,998 | 144,898 | 131,725 | 120,748 | 111,460 | 103,499 |
| **45Б2** | Оп.реб. | Оп.реб. | Оп.реб. | 543,367 | 465,743 | 407,525 | 362,245 | 326,020 | 296,382 | 271,684 | 232,872 | 203,763 | 181,122 | 163,010 | 148,191 | 135,842 | 125,392 | 116,436 |
| **45Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 543,367 | 475,446 | 422,619 | 380,357 | 345,779 | 316,964 | 271,684 | 237,723 | 211,309 | 190,179 | 172,890 | 158,482 | 146,291 | 135,842 |
| **45Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 620,991 | 543,367 | 482,993 | 434,694 | 395,176 | 362,245 | 310,496 | 271,684 | 241,497 | 217,347 | 197,588 | 181,122 | 167,190 | 155,248 |
| **50Б1** | Оп.реб. | Оп.реб. | Оп.реб. | 589,206 | 505,034 | 441,904 | 392,804 | 353,523 | 321,385 | 294,603 | 252,517 | 220,952 | 196,402 | 176,762 | 160,692 | 147,301 | 135,971 | 126,258 |
| **50Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 516,512 | 451,948 | 401,731 | 361,558 | 328,689 | 301,298 | 258,256 | 225,974 | 200,866 | 180,779 | 164,345 | 150,649 | 139,061 | 129,128 |
| **50Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 573,902 | 502,164 | 446,368 | 401,731 | 365,210 | 334,776 | 286,951 | 251,082 | 223,184 | 200,866 | 182,605 | 167,388 | 154,512 | 143,475 |
| **50Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 688,682 | 602,597 | 535,642 | 482,077 | 438,252 | 401,731 | 344,341 | 301,298 | 267,821 | 241,039 | 219,126 | 200,866 | 185,414 | 172,171 |
| **50Б5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 860,853 | 753,246 | 669,552 | 602,597 | 547,815 | 502,164 | 430,426 | 376,623 | 334,776 | 301,298 | 273,908 | 251,082 | 231,768 | 215,213 |
| **55Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 601,125 | 525,985 | 467,542 | 420,788 | 382,534 | 350,656 | 300,563 | 262,992 | 233,771 | 210,394 | 191,267 | 175,328 | 161,841 | 150,281 |
| **55Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 632,763 | 553,668 | 492,149 | 442,934 | 402,668 | 369,112 | 316,382 | 276,834 | 246,075 | 221,467 | 201,334 | 184,556 | 170,359 | 158,191 |
| **55Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 759,316 | 664,402 | 590,579 | 531,521 | 483,201 | 442,934 | 379,658 | 332,201 | 295,290 | 265,761 | 241,601 | 221,467 | 204,431 | 189,829 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



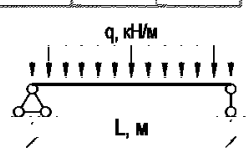
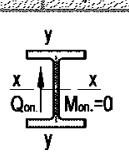




Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с **большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса** | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| **55Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 885,869 | 775,135 | 689,009 | 620,108 | 563,735 | 516,757 | 442,934 | 387,568 | 344,505 | 310,054 | 281,867 | 258,378 | 238,503 | 221,467 |
| **60Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 694,078 | 607,318 | 539,838 | 485,854 | 441,686 | 404,879 | 347,039 | 303,659 | 269,919 | 242,927 | 220,843 | 202,439 | 186,867 | 173,519 |
| **60Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 763,485 | 668,050 | 593,822 | 534,440 | 485,854 | 445,367 | 381,743 | 334,025 | 296,911 | 267,220 | 242,927 | 222,683 | 205,554 | 190,871 |
| **60Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 867,597 | 759,148 | 674,798 | 607,318 | 552,107 | 506,098 | 433,799 | 379,574 | 337,399 | 303,659 | 276,054 | 253,049 | 233,584 | 216,899 |
| **60Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1041,117 | 910,977 | 809,757 | 728,782 | 662,529 | 607,318 | 520,558 | 455,489 | 404,879 | 364,391 | 331,264 | 303,659 | 280,301 | 260,279 |
| **70Б1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 849,816 | 755,392 | 679,853 | 618,048 | 566,544 | 485,609 | 424,908 | 377,696 | 339,926 | 309,024 | 283,272 | 261,482 | 242,805 |
| **70Б2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 920,634 | 818,341 | 736,507 | 669,552 | 613,756 | 526,077 | 460,317 | 409,171 | 368,254 | 334,776 | 306,878 | 283,272 | 263,038 |
| **70Б3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1026,861 | 912,765 | 821,489 | 746,808 | 684,574 | 586,778 | 513,431 | 456,383 | 410,744 | 373,404 | 342,287 | 315,957 | 293,389 |
| **70Б4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1203,906 | 1070,139 | 963,125 | 875,568 | 802,604 | 687,946 | 601,953 | 535,069 | 481,562 | 437,784 | 401,302 | 370,433 | 343,973 |
| | **Тип Ш - Балочные широкополочные двутавры** | | | | | | | | | | | | | | | | | |
| **20Ш0** | Оп.реб. | 193,952 | 155,162 | 129,301 | 110,830 | 96,976 | 86,201 | 77,581 | 70,528 | 64,651 | 55,415 | 48,488 | 43,100 | 38,790 | 35,264 | 32,325 | 29,839 | 27,707 |
| **20Ш1** | Оп.реб. | 232,742 | 186,194 | 155,162 | 132,996 | 116,371 | 103,441 | 93,097 | 84,634 | 77,581 | 66,498 | 58,186 | 51,721 | 46,548 | 42,317 | 38,790 | 35,807 | 33,249 |
| **20Ш2** | Оп.реб. | 283,272 | 226,618 | 188,848 | 161,870 | 141,636 | 125,899 | 113,309 | 103,008 | 94,424 | 80,935 | 70,818 | 62,949 | 56,654 | 51,504 | 47,212 | 43,580 | 40,467 |
| **20Ш3** | Оп.реб. | 339,926 | 271,941 | 226,618 | 194,244 | 169,963 | 151,078 | 135,971 | 123,610 | 113,309 | 97,122 | 84,982 | 75,539 | 67,985 | 61,805 | 56,654 | 52,296 | 48,561 |
| **20Ш4** | Оп.реб. | Оп.реб. | 332,372 | 276,977 | 237,409 | 207,733 | 184,651 | 166,186 | 151,078 | 138,489 | 118,704 | 103,866 | 92,326 | 83,093 | 75,539 | 69,244 | 63,918 | 59,352 |
| **20Ш5** | Оп.реб. | Оп.реб. | 392,804 | 327,337 | 280,574 | 245,502 | 218,224 | 196,402 | 178,547 | 163,668 | 140,287 | 122,751 | 109,112 | 98,201 | 89,274 | 81,834 | 75,539 | 70,144 |
| **20Ш6** | Оп.реб. | Оп.реб. | 483,451 | 402,876 | 345,322 | 302,157 | 268,584 | 241,725 | 219,750 | 201,438 | 172,661 | 151,078 | 134,292 | 120,863 | 109,875 | 100,719 | 92,971 | 86,331 |
| **25Ш0** | Оп.реб. | Оп.реб. | 234,858 | 195,715 | 167,756 | 146,786 | 130,477 | 117,429 | 106,754 | 97,858 | 83,878 | 73,393 | 65,238 | 58,715 | 53,377 | 48,929 | 45,165 | 41,939 |
| **25Ш1** | Оп.реб. | Оп.реб. | 266,791 | 222,326 | 190,565 | 166,744 | 148,217 | 133,395 | 121,269 | 111,163 | 95,282 | 83,372 | 74,109 | 66,698 | 60,634 | 55,581 | 51,306 | 47,641 |
| **25Ш2** | Оп.реб. | Оп.реб. | 323,960 | 269,967 | 231,400 | 202,475 | 179,978 | 161,980 | 147,255 | 134,983 | 115,700 | 101,238 | 89,989 | 80,990 | 73,627 | 67,492 | 62,300 | 57,850 |
| **25Ш3** | Оп.реб. | Оп.реб. | 400,186 | 333,488 | 285,847 | 250,116 | 222,326 | 200,093 | 181,903 | 166,744 | 142,924 | 125,058 | 111,163 | 100,047 | 90,951 | 83,372 | 76,959 | 71,462 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



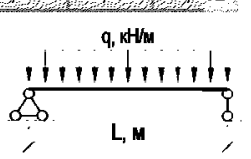



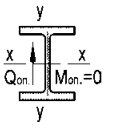
Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **25Ш4** | Оп.реб. | Оп.реб. | 495,468 | 412,890 | 353,906 | 309,668 | 275,260 | 247,734 | 225,213 | 206,445 | 176,953 | 154,834 | 137,630 | 123,867 | 112,606 | 103,223 | 95,282 | 88,477 |
| **25Ш5** | Оп.реб. | Оп.реб. | 609,807 | 508,173 | 435,577 | 381,130 | 338,782 | 304,904 | 277,185 | 254,086 | 217,788 | 190,565 | 169,391 | 152,452 | 138,593 | 127,043 | 117,271 | 108,894 |
| **25Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | 587,146 | 503,268 | 440,359 | 391,430 | 352,287 | 320,261 | 293,573 | 251,634 | 220,180 | 195,715 | 176,144 | 160,131 | 146,786 | 135,495 | 125,817 |
| **30Ш0** | Оп.реб. | Оп.реб. | Оп.реб. | 277,704 | 238,032 | 208,278 | 185,136 | 166,622 | 151,475 | 138,852 | 119,016 | 104,139 | 92,568 | 83,311 | 75,737 | 69,426 | 64,086 | 59,508 |
| **30Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | 309,024 | 264,878 | 231,768 | 206,016 | 185,414 | 168,559 | 154,512 | 132,439 | 115,884 | 103,008 | 92,707 | 84,279 | 77,256 | 71,313 | 66,219 |
| **30Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | 347,652 | 297,987 | 260,739 | 231,768 | 208,591 | 189,628 | 173,826 | 148,994 | 130,370 | 115,884 | 104,296 | 94,814 | 86,913 | 80,227 | 74,497 |
| **30Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | 424,908 | 364,207 | 318,681 | 283,272 | 254,945 | 231,768 | 212,454 | 182,103 | 159,341 | 141,636 | 127,472 | 115,884 | 106,227 | 98,056 | 91,052 |
| **30Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | 502,164 | 430,426 | 376,623 | 334,776 | 301,298 | 273,908 | 251,082 | 215,213 | 188,312 | 167,388 | 150,649 | 136,954 | 125,541 | 115,884 | 107,607 |
| **30Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 529,755 | 463,536 | 412,032 | 370,829 | 337,117 | 309,024 | 264,878 | 231,768 | 206,016 | 185,414 | 168,559 | 154,512 | 142,626 | 132,439 |
| **30Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 644,297 | 563,760 | 501,120 | 451,008 | 410,007 | 375,840 | 322,149 | 281,880 | 250,560 | 225,504 | 205,004 | 187,920 | 173,465 | 161,074 |
| **35Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 306,081 | 267,821 | 238,063 | 214,257 | 194,779 | 178,547 | 153,040 | 133,910 | 119,031 | 107,128 | 97,389 | 89,274 | 82,406 | 76,520 |
| **35Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 344,341 | 301,298 | 267,821 | 241,039 | 219,126 | 200,866 | 172,171 | 150,649 | 133,910 | 120,519 | 109,563 | 100,433 | 92,707 | 86,085 |
| **35Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 420,861 | 368,254 | 327,337 | 294,603 | 267,821 | 245,502 | 210,431 | 184,127 | 163,668 | 147,301 | 133,910 | 122,751 | 113,309 | 105,215 |
| **35Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 497,381 | 435,209 | 386,852 | 348,167 | 316,515 | 290,139 | 248,691 | 217,604 | 193,426 | 174,084 | 158,258 | 145,070 | 133,910 | 124,345 |
| **35Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 612,162 | 535,642 | 476,126 | 428,513 | 389,558 | 357,094 | 306,081 | 267,821 | 238,063 | 214,257 | 194,779 | 178,547 | 164,813 | 153,040 |
| **35Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 618,883 | 550,118 | 495,107 | 450,097 | 412,589 | 353,648 | 309,442 | 275,059 | 247,553 | 225,048 | 206,294 | 190,426 | 176,824 |
| **35Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 749,174 | 665,933 | 599,340 | 544,854 | 499,450 | 428,100 | 374,587 | 332,966 | 299,670 | 272,427 | 249,725 | 230,515 | 214,050 |
| **40Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 417,060 | 364,927 | 324,380 | 291,942 | 265,402 | 243,285 | 208,530 | 182,464 | 162,190 | 145,971 | 132,701 | 121,642 | 112,285 | 104,265 |
| **40Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 341,452 | 307,307 | 279,370 | 256,089 | 219,505 | 192,067 | 170,726 | 153,654 | 139,685 | 128,045 | 118,195 | 109,753 |
| **40Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 409,743 | 368,769 | 335,244 | 307,307 | 263,406 | 230,480 | 204,871 | 184,384 | 167,622 | 153,654 | 141,834 | 131,703 |
| **40Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 495,106 | 445,595 | 405,087 | 371,330 | 318,282 | 278,497 | 247,553 | 222,798 | 202,543 | 185,665 | 171,383 | 159,141 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 597,542 | 537,788 | 488,898 | 448,156 | 384,134 | 336,117 | 298,771 | 268,894 | 244,449 | 224,078 | 206,841 | 192,067 |
| **40Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 697,670 | 627,903 | 570,821 | 523,253 | 448,502 | 392,440 | 348,835 | 313,952 | 285,411 | 261,626 | 241,501 | 224,251 |
| **40Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 830,560 | 747,504 | 679,549 | 622,920 | 533,931 | 467,190 | 415,280 | 373,752 | 339,775 | 311,460 | 287,502 | 266,966 |
| **45Ш0** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 433,492 | 385,326 | 346,794 | 315,267 | 288,995 | 247,710 | 216,746 | 192,663 | 173,397 | 157,633 | 144,497 | 133,382 | 123,855 |
| **45Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 423,859 | 381,473 | 346,794 | 317,894 | 272,481 | 238,421 | 211,929 | 190,736 | 173,397 | 158,947 | 146,720 | 136,240 |
| **45Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 500,924 | 450,832 | 409,847 | 375,693 | 322,023 | 281,770 | 250,462 | 225,416 | 204,923 | 187,847 | 173,397 | 161,011 |
| **45Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 577,989 | 520,190 | 472,900 | 433,492 | 371,565 | 325,119 | 288,995 | 260,095 | 236,450 | 216,746 | 200,073 | 185,782 |
| **45Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 693,587 | 624,228 | 567,480 | 520,190 | 445,877 | 390,143 | 346,794 | 312,114 | 283,740 | 260,095 | 240,088 | 222,939 |
| **45Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 787,315 | 708,584 | 644,167 | 590,486 | 506,131 | 442,865 | 393,658 | 354,292 | 322,083 | 295,243 | 272,532 | 253,066 |
| **45Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 843,552 | 766,865 | 702,960 | 602,537 | 527,220 | 468,640 | 421,776 | 383,433 | 351,480 | 324,443 | 301,269 |
| **50Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 533,496 | 474,218 | 426,796 | 387,997 | 355,664 | 304,855 | 266,748 | 237,109 | 213,398 | 193,998 | 177,832 | 164,152 | 152,427 |
| **50Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 803,708 | 703,244 | 625,106 | 562,595 | 511,450 | 468,829 | 401,854 | 351,622 | 312,553 | 281,298 | 255,725 | 234,415 | 216,383 | 200,927 |
| **50Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 751,744 | 668,217 | 601,395 | 546,723 | 501,163 | 429,568 | 375,872 | 334,108 | 300,698 | 273,361 | 250,581 | 231,306 | 214,784 |
| **50Ш4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 800,243 | 711,327 | 640,195 | 581,995 | 533,496 | 457,282 | 400,122 | 355,664 | 320,097 | 290,998 | 266,748 | 246,229 | 228,641 |
| **50Ш5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 921,492 | 819,104 | 737,194 | 670,176 | 614,328 | 526,567 | 460,746 | 409,552 | 368,597 | 335,088 | 307,164 | 283,536 | 263,284 |
| **50Ш6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 922,803 | 830,523 | 755,021 | 692,102 | 593,231 | 519,077 | 461,402 | 415,261 | 377,510 | 346,051 | 319,432 | 296,615 |
| **50Ш7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1090,586 | 981,527 | 892,297 | 817,939 | 701,091 | 613,454 | 545,293 | 490,764 | 446,149 | 408,970 | 377,510 | 350,545 |
| **50Ш8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1258,368 | 1132,531 | 1029,574 | 943,776 | 808,951 | 707,832 | 629,184 | 566,266 | 514,787 | 471,888 | 435,589 | 404,475 |
| **60Ш1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 627,204 | 564,484 | 513,167 | 470,403 | 403,203 | 352,802 | 313,602 | 282,242 | 256,584 | 235,202 | 217,109 | 201,601 |
| **60Ш2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 940,806 | 836,272 | 752,645 | 684,223 | 627,204 | 537,604 | 470,403 | 418,136 | 376,323 | 342,111 | 313,602 | 289,479 | 268,802 |
| **60Ш3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1058,407 | 940,806 | 846,726 | 769,751 | 705,605 | 604,804 | 529,204 | 470,403 | 423,363 | 384,875 | 352,802 | 325,664 | 302,402 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



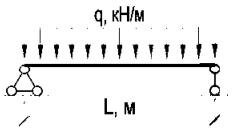



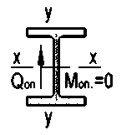
Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 60Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1176,008 | 1045,340 | 940,806 | 855,279 | 784,005 | 672,005 | 588,004 | 522,670 | 470,403 | 427,639 | 392,003 | 361,849 | 336,002 |
| 60Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1169,651 | 1052,686 | 956,987 | 877,238 | 751,919 | 657,929 | 584,826 | 526,343 | 478,494 | 438,619 | 404,879 | 375,959 |
| 60Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1373,069 | 1235,762 | 1123,420 | 1029,802 | 882,687 | 772,351 | 686,534 | 617,881 | 561,710 | 514,901 | 475,293 | 441,344 |
| 60Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1576,486 | 1418,838 | 1289,853 | 1182,365 | 1013,456 | 886,774 | 788,243 | 709,419 | 644,926 | 591,182 | 545,707 | 506,728 |
| 60Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1830,758 | 1647,683 | 1497,893 | 1373,069 | 1176,916 | 1029,802 | 915,379 | 823,841 | 748,947 | 686,534 | 633,724 | 588,458 |
| 70Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 808,422 | 727,580 | 661,436 | 606,317 | 519,700 | 454,737 | 404,211 | 363,790 | 330,718 | 303,158 | 279,838 | 259,850 |
| 70Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 932,795 | 839,515 | 763,196 | 699,596 | 599,654 | 524,697 | 466,397 | 419,758 | 381,598 | 349,798 | 322,890 | 299,827 |
| 70Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1119,354 | 1007,418 | 915,835 | 839,515 | 719,584 | 629,636 | 559,677 | 503,709 | 457,917 | 419,758 | 387,469 | 359,792 |
| 70Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1240,365 | 1116,328 | 1014,844 | 930,274 | 797,377 | 697,705 | 620,182 | 558,164 | 507,422 | 465,137 | 429,357 | 398,689 |
| 70Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1391,629 | 1252,466 | 1138,605 | 1043,722 | 894,619 | 782,791 | 695,814 | 626,233 | 569,303 | 521,861 | 481,718 | 447,309 |
| 70Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1470,286 | 1336,624 | 1225,238 | 1050,204 | 918,929 | 816,826 | 735,143 | 668,312 | 612,619 | 565,495 | 525,102 |
| 70Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1742,561 | 1584,147 | 1452,134 | 1244,687 | 1089,101 | 968,090 | 871,281 | 792,073 | 726,067 | 670,216 | 622,343 |
| 70Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2011,811 | 1828,919 | 1676,509 | 1437,008 | 1257,382 | 1117,673 | 1005,906 | 914,460 | 838,255 | 773,774 | 718,504 |
| | Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | |
| 15К1 | Оп.реб. | 171,912 | 137,530 | 114,608 | 98,235 | 85,956 | 76,405 | 68,765 | 62,513 | 57,304 | 49,118 | 42,978 | 38,203 | 34,382 | 31,257 | 28,652 | 26,448 | 24,559 |
| 15К2 | Оп.реб. | 200,564 | 160,451 | 133,709 | 114,608 | 100,282 | 89,140 | 80,226 | 72,932 | 66,855 | 57,304 | 50,141 | 44,570 | 40,113 | 36,466 | 33,427 | 30,856 | 28,652 |
| 15К3 | Оп.реб. | 237,133 | 189,706 | 158,089 | 135,505 | 118,567 | 105,392 | 94,853 | 86,230 | 79,044 | 67,752 | 59,283 | 52,696 | 47,427 | 43,115 | 39,522 | 36,482 | 33,876 |
| 15К4 | Оп.реб. | 278,980 | 223,184 | 185,987 | 159,417 | 139,490 | 123,991 | 111,592 | 101,447 | 92,993 | 79,709 | 69,745 | 61,996 | 55,796 | 50,724 | 46,497 | 42,920 | 39,854 |
| 15К5 | Оп.реб. | 334,776 | 267,821 | 223,184 | 191,301 | 167,388 | 148,789 | 133,910 | 121,737 | 111,592 | 95,650 | 83,694 | 74,395 | 66,955 | 60,868 | 55,796 | 51,504 | 47,825 |
| 20К1 | Оп.реб. | Оп.реб. | 201,710 | 168,092 | 144,079 | 126,069 | 112,061 | 100,855 | 91,686 | 84,046 | 72,039 | 63,034 | 56,031 | 50,428 | 45,843 | 42,023 | 38,790 | 36,020 |
| 20К2 | Оп.реб. | Оп.реб. | 241,725 | 201,438 | 172,661 | 151,078 | 134,292 | 120,863 | 109,875 | 100,719 | 86,331 | 75,539 | 67,146 | 60,431 | 54,938 | 50,359 | 46,486 | 43,165 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 20К3 | Оп.реб. | Оп.реб. | Оп.реб. | 226,618 | 194,244 | 169,963 | 151,078 | 135,971 | 123,610 | 113,309 | 97,122 | 84,982 | 75,539 | 67,985 | 61,805 | 56,654 | 52,296 | 48,561 |
| 20К4 | Оп.реб. | Оп.реб. | Оп.реб. | 264,387 | 226,618 | 198,290 | 176,258 | 158,632 | 144,211 | 132,194 | 113,309 | 99,145 | 88,129 | 79,316 | 72,106 | 66,097 | 61,012 | 56,654 |
| 20К5 | Оп.реб. | Оп.реб. | Оп.реб. | 302,157 | 258,992 | 226,618 | 201,438 | 181,294 | 164,813 | 151,078 | 129,496 | 113,309 | 100,719 | 90,647 | 82,406 | 75,539 | 69,728 | 64,748 |
| 20К6 | Оп.реб. | Оп.реб. | Оп.реб. | 352,516 | 302,157 | 264,387 | 235,011 | 211,510 | 192,282 | 176,258 | 151,078 | 132,194 | 117,505 | 105,755 | 96,141 | 88,129 | 81,350 | 75,539 |
| 20К7 | Оп.реб. | Оп.реб. | Оп.реб. | 402,876 | 345,322 | 302,157 | 268,584 | 241,725 | 219,750 | 201,438 | 172,661 | 151,078 | 134,292 | 120,863 | 109,875 | 100,719 | 92,971 | 86,331 |
| 20К8 | Оп.реб. | Оп.реб. | Оп.реб. | 453,235 | 388,487 | 339,926 | 302,157 | 271,941 | 247,219 | 226,618 | 194,244 | 169,963 | 151,078 | 135,971 | 123,610 | 113,309 | 104,593 | 97,122 |
| 25К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 217,788 | 190,565 | 169,391 | 152,452 | 138,593 | 127,043 | 108,894 | 95,282 | 84,695 | 76,226 | 69,296 | 63,522 | 58,635 | 54,447 |
| 25К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 245,012 | 214,385 | 190,565 | 171,508 | 155,917 | 142,924 | 122,506 | 107,193 | 95,282 | 85,754 | 77,958 | 71,462 | 65,965 | 61,253 |
| 25К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 272,235 | 238,206 | 211,739 | 190,565 | 173,241 | 158,804 | 136,118 | 119,103 | 105,869 | 95,282 | 86,620 | 79,402 | 73,294 | 68,059 |
| 25К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 299,459 | 262,027 | 232,913 | 209,621 | 190,565 | 174,684 | 149,729 | 131,013 | 116,456 | 104,811 | 95,282 | 87,342 | 80,624 | 74,865 |
| 25К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 340,294 | 297,758 | 264,673 | 238,206 | 216,551 | 198,505 | 170,147 | 148,879 | 132,337 | 119,103 | 108,275 | 99,253 | 91,618 | 85,074 |
| 25К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 381,130 | 333,488 | 296,434 | 266,791 | 242,537 | 222,326 | 190,565 | 166,744 | 148,217 | 133,395 | 121,269 | 111,163 | 102,612 | 95,282 |
| 25К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 435,577 | 381,130 | 338,782 | 304,904 | 277,185 | 254,086 | 217,788 | 190,565 | 169,391 | 152,452 | 138,593 | 127,043 | 117,271 | 108,894 |
| 25К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 490,024 | 428,771 | 381,130 | 343,017 | 311,833 | 285,847 | 245,012 | 214,385 | 190,565 | 171,508 | 155,917 | 142,924 | 131,929 | 122,506 |
| 25К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 529,755 | 463,536 | 412,032 | 370,829 | 337,117 | 309,024 | 264,878 | 231,768 | 206,016 | 185,414 | 168,559 | 154,512 | 142,626 | 132,439 |
| 25К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 609,219 | 533,066 | 473,837 | 426,453 | 387,685 | 355,378 | 304,609 | 266,533 | 236,918 | 213,227 | 193,842 | 177,689 | 164,020 | 152,305 |
| 30К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 260,739 | 231,768 | 208,591 | 189,628 | 173,826 | 148,994 | 130,370 | 115,884 | 104,296 | 94,814 | 86,913 | 80,227 | 74,497 |
| 30К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 289,710 | 257,520 | 231,768 | 210,698 | 193,140 | 165,549 | 144,855 | 128,760 | 115,884 | 105,349 | 96,570 | 89,142 | 82,774 |
| 30К3 | Оп.реб. | Оп.реб. | Оп.реб. | 579,420 | 496,646 | 434,565 | 386,280 | 347,652 | 316,047 | 289,710 | 248,323 | 217,283 | 193,140 | 173,826 | 158,024 | 144,855 | 133,712 | 124,161 |
| 30К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 318,681 | 283,272 | 254,945 | 231,768 | 212,454 | 182,103 | 159,341 | 141,636 | 127,472 | 115,884 | 106,227 | 98,056 | 91,052 |
| 30К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 347,652 | 309,024 | 278,122 | 252,838 | 231,768 | 198,658 | 173,826 | 154,512 | 139,061 | 126,419 | 115,884 | 106,970 | 99,329 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



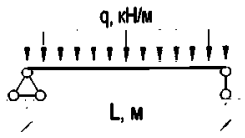



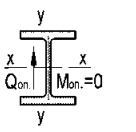
Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **30К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 376,623 | 334,776 | 301,298 | 273,908 | 251,082 | 215,213 | 188,312 | 167,388 | 150,649 | 136,954 | 125,541 | 115,884 | 107,607 |
| **30К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 420,080 | 373,404 | 336,064 | 305,512 | 280,053 | 240,045 | 210,040 | 186,702 | 168,032 | 152,756 | 140,027 | 129,255 | 120,023 |
| **30К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 373,404 | 336,064 | 305,512 | 280,053 | 240,045 | 210,040 | 186,702 | 168,032 | 152,756 | 140,027 | 129,255 | 120,023 |
| **30К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 370,829 | 337,117 | 309,024 | 264,878 | 231,768 | 206,016 | 185,414 | 168,559 | 154,512 | 142,626 | 132,439 |
| **30К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 463,536 | 417,182 | 379,257 | 347,652 | 297,987 | 260,739 | 231,768 | 208,591 | 189,628 | 173,826 | 160,455 | 148,994 |
| **30К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 501,120 | 451,008 | 410,007 | 375,840 | 322,149 | 281,880 | 250,560 | 225,504 | 205,004 | 187,920 | 173,465 | 161,074 |
| **30К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 496,109 | 451,008 | 413,424 | 354,363 | 310,068 | 275,616 | 248,054 | 225,504 | 206,712 | 190,811 | 177,182 |
| **30К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 541,210 | 492,009 | 451,008 | 386,578 | 338,256 | 300,672 | 270,605 | 246,004 | 225,504 | 208,158 | 193,289 |
| **30К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 608,861 | 553,510 | 507,384 | 434,901 | 380,538 | 338,256 | 304,430 | 276,755 | 253,692 | 234,177 | 217,450 |
| **30К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 676,512 | 615,011 | 563,760 | 483,223 | 422,820 | 375,840 | 338,256 | 307,505 | 281,880 | 260,197 | 241,611 |
| **30К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 744,163 | 676,512 | 620,136 | 531,545 | 465,102 | 413,424 | 372,082 | 338,256 | 310,068 | 286,217 | 265,773 |
| **30К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 811,814 | 738,013 | 676,512 | 579,867 | 507,384 | 451,008 | 405,907 | 369,007 | 338,256 | 312,236 | 289,934 |
| **30К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 855,036 | 777,305 | 712,530 | 610,740 | 534,398 | 475,020 | 427,518 | 388,653 | 356,265 | 328,860 | 305,370 |
| **30К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 942,732 | 857,029 | 785,610 | 673,380 | 589,208 | 523,740 | 471,366 | 428,515 | 392,805 | 362,589 | 336,690 |
| **30К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1030,428 | 936,753 | 858,690 | 736,020 | 644,018 | 572,460 | 515,214 | 468,376 | 429,345 | 396,318 | 368,010 |
| **30К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1006,796 | 922,896 | 791,054 | 692,172 | 615,264 | 553,738 | 503,398 | 461,448 | 425,952 | 395,527 |
| **35К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 297,579 | 267,821 | 243,473 | 223,184 | 191,301 | 167,388 | 148,789 | 133,910 | 121,737 | 111,592 | 103,008 | 95,650 |
| **35К1,5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 327,337 | 294,603 | 267,821 | 245,502 | 210,431 | 184,127 | 163,668 | 147,301 | 133,910 | 122,751 | 113,309 | 105,215 |
| **35К2** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 357,094 | 321,385 | 292,168 | 267,821 | 229,561 | 200,866 | 178,547 | 160,692 | 146,084 | 133,910 | 123,610 | 114,780 |
| **35К3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 401,731 | 361,558 | 328,689 | 301,298 | 258,256 | 225,974 | 200,866 | 180,779 | 164,345 | 150,649 | 139,061 | 129,128 |
| **35К4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 446,368 | 401,731 | 365,210 | 334,776 | 286,951 | 251,082 | 223,184 | 200,866 | 182,605 | 167,388 | 154,512 | 143,475 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **35К5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 441,904 | 401,731 | 368,254 | 315,646 | 276,190 | 245,502 | 220,952 | 200,866 | 184,127 | 169,963 | 157,823 |
| **35К6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 482,077 | 438,252 | 401,731 | 344,341 | 301,298 | 267,821 | 241,039 | 219,126 | 200,866 | 185,414 | 172,171 |
| **35К7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 521,165 | 473,786 | 434,304 | 372,261 | 325,728 | 289,536 | 260,582 | 236,893 | 217,152 | 200,448 | 186,130 |
| **35К8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 573,281 | 521,165 | 477,734 | 409,487 | 358,301 | 318,490 | 286,641 | 260,582 | 238,867 | 220,493 | 204,743 |
| **35К9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 625,398 | 568,543 | 521,165 | 446,713 | 390,874 | 347,443 | 312,699 | 284,272 | 260,582 | 240,538 | 223,356 |
| **35К10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 690,543 | 627,767 | 575,453 | 493,245 | 431,590 | 383,635 | 345,272 | 313,883 | 287,726 | 265,594 | 246,623 |
| **35К11** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 755,689 | 686,990 | 629,741 | 539,778 | 472,306 | 419,827 | 377,844 | 343,495 | 314,870 | 290,650 | 269,889 |
| **35К12** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 833,864 | 758,058 | 694,886 | 595,617 | 521,165 | 463,258 | 416,932 | 379,029 | 347,443 | 320,717 | 297,808 |
| **35К13** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 912,038 | 829,126 | 760,032 | 651,456 | 570,024 | 506,688 | 456,019 | 414,563 | 380,016 | 350,784 | 325,728 |
| **35К14** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 962,707 | 875,188 | 802,256 | 687,648 | 601,692 | 534,837 | 481,354 | 437,594 | 401,128 | 370,272 | 343,824 |
| **35К15** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1064,045 | 967,313 | 886,704 | 760,032 | 665,028 | 591,136 | 532,022 | 483,657 | 443,352 | 409,248 | 380,016 |
| **35К16** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1165,382 | 1059,439 | 971,152 | 832,416 | 728,364 | 647,435 | 582,691 | 529,719 | 485,576 | 448,224 | 416,208 |
| **35К17** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1151,564 | 1055,600 | 904,800 | 791,700 | 703,733 | 633,360 | 575,782 | 527,800 | 487,200 | 452,400 |
| **35К18** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1230,528 | 1127,984 | 966,843 | 845,988 | 751,989 | 676,790 | 615,264 | 563,992 | 520,608 | 483,422 |
| **35К19** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1342,394 | 1230,528 | 1054,738 | 922,896 | 820,352 | 738,317 | 671,197 | 615,264 | 567,936 | 527,369 |
| **35К20** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1368,716 | 1254,656 | 1075,419 | 940,992 | 836,437 | 752,794 | 684,358 | 627,328 | 579,072 | 537,710 |
| **35К21** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1495,059 | 1370,470 | 1174,689 | 1027,853 | 913,647 | 822,282 | 747,529 | 685,235 | 632,525 | 587,344 |
| **35К22** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1486,285 | 1273,958 | 1114,714 | 990,857 | 891,771 | 810,701 | 743,142 | 685,978 | 636,979 |
| **35К23** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1621,402 | 1389,773 | 1216,051 | 1080,934 | 972,841 | 884,401 | 810,701 | 748,339 | 694,886 |
| **35К24** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1775,821 | 1522,132 | 1331,866 | 1183,881 | 1065,492 | 968,630 | 887,910 | 819,610 | 761,066 |
| **40К1** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 307,307 | 281,698 | 241,456 | 211,274 | 187,799 | 169,019 | 153,654 | 140,849 | 130,015 | 120,728 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



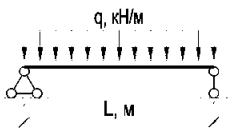



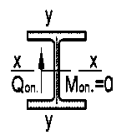
Таблица 6.4.4

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 363,181 | 332,916 | 285,357 | 249,687 | 221,944 | 199,750 | 181,591 | 166,458 | 153,654 | 142,678 |
| 40К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 491,692 | 446,992 | 409,743 | 351,208 | 307,307 | 273,162 | 245,846 | 223,496 | 204,871 | 189,112 | 175,604 |
| 40К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 502,866 | 460,961 | 395,109 | 345,721 | 307,307 | 276,576 | 251,433 | 230,480 | 212,751 | 197,555 |
| 40К4,5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 598,003 | 543,639 | 498,336 | 427,145 | 373,752 | 332,224 | 299,002 | 271,820 | 249,168 | 230,001 | 213,573 |
| 40К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 687,704 | 625,185 | 573,086 | 491,217 | 429,815 | 382,058 | 343,852 | 312,593 | 286,543 | 264,501 | 245,608 |
| 40К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 747,504 | 679,549 | 622,920 | 533,931 | 467,190 | 415,280 | 373,752 | 339,775 | 311,460 | 287,502 | 266,966 |
| 40К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 837,204 | 761,095 | 697,670 | 598,003 | 523,253 | 465,114 | 418,602 | 380,547 | 348,835 | 322,002 | 299,002 |
| 40К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 926,905 | 842,641 | 772,421 | 662,075 | 579,316 | 514,947 | 463,452 | 421,320 | 386,210 | 356,502 | 331,037 |
| 40К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1046,506 | 951,369 | 872,088 | 747,504 | 654,066 | 581,392 | 523,253 | 475,684 | 436,044 | 402,502 | 373,752 |
| 40К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1133,714 | 1030,649 | 944,762 | 809,796 | 708,572 | 629,841 | 566,857 | 515,325 | 472,381 | 436,044 | 404,898 |
| 40К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1249,993 | 1136,357 | 1041,661 | 892,852 | 781,246 | 694,440 | 624,996 | 568,179 | 520,830 | 480,766 | 446,426 |
| 40К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1268,492 | 1162,784 | 996,672 | 872,088 | 775,189 | 697,670 | 634,246 | 581,392 | 536,670 | 498,336 |
| 40К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1360,608 | 1247,224 | 1069,049 | 935,418 | 831,483 | 748,335 | 680,304 | 623,612 | 575,642 | 534,525 |
| 40К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1514,639 | 1388,419 | 1190,074 | 1041,315 | 925,613 | 833,052 | 757,320 | 694,210 | 640,809 | 595,037 |
| 40К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1570,513 | 1439,637 | 1233,975 | 1079,728 | 959,758 | 863,782 | 785,257 | 719,819 | 664,448 | 616,987 |
| 40К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1739,646 | 1594,675 | 1366,864 | 1196,006 | 1063,117 | 956,805 | 869,823 | 797,338 | 736,004 | 683,432 |
| 40К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1771,861 | 1518,738 | 1328,896 | 1181,241 | 1063,117 | 966,470 | 885,931 | 817,782 | 759,369 |
| 40К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1926,899 | 1651,628 | 1445,174 | 1284,599 | 1156,140 | 1051,036 | 963,450 | 889,338 | 825,814 |
| 40К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2126,234 | 1822,486 | 1594,675 | 1417,489 | 1275,740 | 1159,764 | 1063,117 | 981,339 | 911,243 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 290,928 | 218,196 | 174,557 | 145,464 | 124,683 | 109,098 | 96,976 | 87,278 | 79,344 | 72,732 | 62,342 | 54,549 | 48,488 | 43,639 | 39,672 | 36,366 | 33,569 | 31,171 |

| С390Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 20С1 | Оп.реб. | 453,235 | 362,588 | 302,157 | 258,992 | 226,618 | 201,438 | 181,294 | 164,813 | 151,078 | 129,496 | 113,309 | 100,719 | 90,647 | 82,406 | 75,539 | 69,728 | 64,748 |
| 25С1 | Оп.реб. | Оп.реб. | 419,243 | 349,369 | 299,459 | 262,027 | 232,913 | 209,621 | 190,565 | 174,684 | 149,729 | 131,013 | 116,456 | 104,811 | 95,282 | 87,342 | 80,624 | 74,865 |
| 25С2 | Оп.реб. | Оп.реб. | 533,581 | 444,651 | 381,130 | 333,488 | 296,434 | 266,791 | 242,537 | 222,326 | 190,565 | 166,744 | 148,217 | 133,395 | 121,269 | 111,163 | 102,612 | 95,282 |
| 30С1 | Оп.реб. | Оп.реб. | Оп.реб. | 463,536 | 397,317 | 347,652 | 309,024 | 278,122 | 252,838 | 231,768 | 198,658 | 173,826 | 154,512 | 139,061 | 126,419 | 115,884 | 106,970 | 99,329 |
| 30С2 | Оп.реб. | Оп.реб. | Оп.реб. | 579,420 | 496,646 | 434,565 | 386,280 | 347,652 | 316,047 | 289,710 | 248,323 | 217,283 | 193,140 | 173,826 | 158,024 | 144,855 | 133,712 | 124,161 |
| 32С1 | Оп.реб. | Оп.реб. | Оп.реб. | 983,166 | 842,713 | 737,374 | 655,444 | 589,899 | 536,272 | 491,583 | 421,357 | 368,687 | 327,722 | 294,950 | 268,136 | 245,791 | 226,884 | 210,678 |
| 32С2 | Оп.реб. | Оп.реб. | Оп.реб. | 1168,741 | 1001,778 | 876,556 | 779,161 | 701,245 | 637,495 | 584,371 | 500,889 | 438,278 | 389,580 | 350,622 | 318,748 | 292,185 | 269,710 | 250,445 |
| 35С1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 497,381 | 435,209 | 386,852 | 348,167 | 316,515 | 290,139 | 248,691 | 217,604 | 193,426 | 174,084 | 158,258 | 145,070 | 133,910 | 124,345 |
| 35С2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 612,162 | 535,642 | 476,126 | 428,513 | 389,558 | 357,094 | 306,081 | 267,821 | 238,063 | 214,257 | 194,779 | 178,547 | 164,813 | 153,040 |
| 35С3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 726,942 | 636,074 | 565,399 | 508,860 | 462,600 | 424,050 | 363,471 | 318,037 | 282,700 | 254,430 | 231,300 | 212,025 | 195,715 | 181,736 |
| 40С1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 658,515 | 576,201 | 512,179 | 460,961 | 419,055 | 384,134 | 329,258 | 288,101 | 256,089 | 230,480 | 209,528 | 192,067 | 177,293 | 164,629 |
| 40С2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 790,219 | 691,441 | 614,614 | 553,153 | 502,866 | 460,961 | 395,109 | 345,721 | 307,307 | 276,576 | 251,433 | 230,480 | 212,751 | 197,555 |
| 40С3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 921,922 | 806,681 | 717,050 | 645,345 | 586,677 | 537,788 | 460,961 | 403,341 | 358,525 | 322,673 | 293,339 | 268,894 | 248,210 | 230,480 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | Оп.реб. | 243,136 | 194,509 | 162,091 | 138,935 | 121,568 | 108,061 | 97,255 | 88,413 | 81,045 | 69,468 | 60,784 | 54,030 | 48,627 | 44,207 | 40,523 | 37,406 | 34,734 |
| 20ДБ2 | Оп.реб. | 260,404 | 208,323 | 173,603 | 148,802 | 130,202 | 115,735 | 104,162 | 94,692 | 86,801 | 74,401 | 65,101 | 57,868 | 52,081 | 47,346 | 43,401 | 40,062 | 37,201 |
| 25ДБ1 | Оп.реб. | 309,177 | 247,342 | 206,118 | 176,673 | 154,589 | 137,412 | 123,671 | 112,428 | 103,059 | 88,336 | 77,294 | 68,706 | 61,835 | 56,214 | 51,530 | 47,566 | 44,168 |
| 25ДБ2 | Оп.реб. | Оп.реб. | 253,307 | 211,089 | 180,934 | 158,317 | 140,726 | 126,653 | 115,140 | 105,545 | 90,467 | 79,158 | 70,363 | 63,327 | 57,570 | 52,772 | 48,713 | 45,233 |
| 25ДБ3 | Оп.реб. | Оп.реб. | 289,988 | 241,657 | 207,134 | 181,243 | 161,105 | 144,994 | 131,813 | 120,828 | 103,567 | 90,621 | 80,552 | 72,497 | 65,906 | 60,414 | 55,767 | 51,784 |
| 25ДБ4 | Оп.реб. | 322,397 | 257,917 | 214,931 | 184,227 | 161,198 | 143,287 | 128,959 | 117,235 | 107,466 | 92,113 | 80,599 | 71,644 | 64,479 | 58,618 | 53,733 | 49,599 | 46,057 |
| 25ДБ5 | Оп.реб. | Оп.реб. | 271,488 | 226,240 | 193,920 | 169,680 | 150,827 | 135,744 | 123,404 | 113,120 | 96,960 | 84,840 | 75,413 | 67,872 | 61,702 | 56,560 | 52,209 | 48,480 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



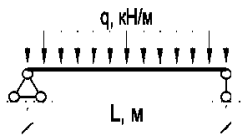



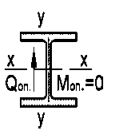
Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | **6,0** | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **25ДБ6** | Оп.реб. | Оп.реб. | 313,144 | 260,954 | 223,675 | 195,715 | 173,969 | 156,572 | 142,338 | 130,477 | 111,837 | 97,858 | 86,985 | 78,286 | 71,169 | 65,238 | 60,220 | 55,919 |
| **30ДБ1** | Оп.реб. | 385,083 | 308,066 | 256,722 | 220,047 | 192,541 | 171,148 | 154,033 | 140,030 | 128,361 | 110,024 | 96,271 | 85,574 | 77,017 | 70,015 | 64,180 | 59,244 | 55,012 |
| **30ДБ2** | Оп.реб. | 412,727 | 330,182 | 275,152 | 235,844 | 206,364 | 183,434 | 165,091 | 150,083 | 137,576 | 117,922 | 103,182 | 91,717 | 82,545 | 75,041 | 68,788 | 63,497 | 58,961 |
| **30ДБ3** | Оп.реб. | Оп.реб. | 297,184 | 247,653 | 212,274 | 185,740 | 165,102 | 148,592 | 135,084 | 123,827 | 106,137 | 92,870 | 82,551 | 74,296 | 67,542 | 61,913 | 57,151 | 53,069 |
| **30ДБ4** | Оп.реб. | Оп.реб. | 329,275 | 274,396 | 235,197 | 205,797 | 182,931 | 164,638 | 149,671 | 137,198 | 117,598 | 102,899 | 91,465 | 82,319 | 74,835 | 68,599 | 63,322 | 58,799 |
| **30ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 315,971 | 270,833 | 236,978 | 210,648 | 189,583 | 172,348 | 157,986 | 135,416 | 118,489 | 105,324 | 94,791 | 86,174 | 78,993 | 72,916 | 67,708 |
| **30ДБ6** | Оп.реб. | Оп.реб. | 291,101 | 242,584 | 207,929 | 181,938 | 161,723 | 145,550 | 132,318 | 121,292 | 103,965 | 90,969 | 80,861 | 72,775 | 66,159 | 60,646 | 55,981 | 51,982 |
| **30ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 271,652 | 232,845 | 203,739 | 181,101 | 162,991 | 148,174 | 135,826 | 116,422 | 101,870 | 90,551 | 81,496 | 74,087 | 67,913 | 62,689 | 58,211 |
| **30ДБ8** | Оп.реб. | Оп.реб. | 383,282 | 319,402 | 273,773 | 239,552 | 212,935 | 191,641 | 174,219 | 159,701 | 136,887 | 119,776 | 106,467 | 95,821 | 87,110 | 79,851 | 73,708 | 68,443 |
| **35ДБ1** | Оп.реб. | 424,402 | 339,522 | 282,935 | 242,516 | 212,201 | 188,623 | 169,761 | 154,328 | 141,467 | 121,258 | 106,101 | 94,312 | 84,880 | 77,164 | 70,734 | 65,293 | 60,629 |
| **35ДБ2** | Оп.реб. | Оп.реб. | 370,039 | 308,366 | 264,314 | 231,274 | 205,577 | 185,020 | 168,200 | 154,183 | 132,157 | 115,637 | 102,789 | 92,510 | 84,100 | 77,091 | 71,161 | 66,078 |
| **35ДБ3** | Оп.реб. | Оп.реб. | 404,400 | 337,000 | 288,857 | 252,750 | 224,667 | 202,200 | 183,818 | 168,500 | 144,429 | 126,375 | 112,333 | 101,100 | 91,909 | 84,250 | 77,769 | 72,214 |
| **35ДБ4** | Оп.реб. | Оп.реб. | 410,137 | 341,781 | 292,955 | 256,335 | 227,854 | 205,068 | 186,426 | 170,890 | 146,477 | 128,168 | 113,927 | 102,534 | 93,213 | 85,445 | 78,872 | 73,239 |
| **35ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 375,009 | 321,436 | 281,257 | 250,006 | 225,006 | 204,550 | 187,505 | 160,718 | 140,628 | 125,003 | 112,503 | 102,275 | 93,752 | 86,541 | 80,359 |
| **35ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 431,712 | 370,039 | 323,784 | 287,808 | 259,027 | 235,479 | 215,856 | 185,020 | 161,892 | 143,904 | 129,514 | 117,740 | 107,928 | 99,626 | 92,510 |
| **35ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 326,396 | 290,130 | 261,117 | 237,379 | 217,597 | 186,512 | 163,198 | 145,065 | 130,558 | 118,689 | 108,799 | 100,429 | 93,256 |
| **35ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 360,979 | 320,870 | 288,783 | 262,530 | 240,652 | 206,274 | 180,489 | 160,435 | 144,391 | 131,265 | 120,326 | 111,070 | 103,137 |
| **35ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 391,675 | 348,156 | 313,340 | 284,855 | 261,117 | 223,814 | 195,838 | 174,078 | 156,670 | 142,427 | 130,558 | 120,515 | 111,907 |
| **35ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 445,810 | 396,276 | 356,648 | 324,225 | 297,207 | 254,749 | 222,905 | 198,138 | 178,324 | 162,113 | 148,603 | 137,172 | 127,374 |
| **40ДБ1** | Оп.реб. | Оп.реб. | 430,390 | 358,658 | 307,421 | 268,994 | 239,106 | 215,195 | 195,632 | 179,329 | 153,711 | 134,497 | 119,553 | 107,598 | 97,816 | 89,665 | 82,767 | 76,855 |
| **40ДБ2** | Оп.реб. | Оп.реб. | 457,390 | 381,158 | 326,707 | 285,869 | 254,105 | 228,695 | 207,904 | 190,579 | 163,354 | 142,934 | 127,053 | 114,347 | 103,952 | 95,290 | 87,960 | 81,677 |

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с **большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса** | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Профиль** | **1,5** | **2,0** | **2,5** | **3,0** | **3,5** | **4,0** | **4,5** | **5,0** | **5,5** | 6,0 | **7,0** | **8,0** | **9,0** | **10,0** | **11,0** | **12,0** | **13,0** | **14,0** |
| **40ДБ3** | Оп.реб. | Оп.реб. | 490,833 | 409,028 | 350,595 | 306,771 | 272,685 | 245,417 | 223,106 | 204,514 | 175,298 | 153,385 | 136,343 | 122,708 | 111,553 | 102,257 | 94,391 | 87,649 |
| **40ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 420,155 | 360,133 | 315,116 | 280,104 | 252,093 | 229,176 | 210,078 | 180,067 | 157,558 | 140,052 | 126,047 | 114,588 | 105,039 | 96,959 | 90,033 |
| **40ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 479,926 | 411,365 | 359,944 | 319,950 | 287,955 | 261,778 | 239,963 | 205,682 | 179,972 | 159,975 | 143,978 | 130,889 | 119,981 | 110,752 | 102,841 |
| **40ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 528,731 | 453,198 | 396,549 | 352,488 | 317,239 | 288,399 | 264,366 | 226,599 | 198,274 | 176,244 | 158,619 | 144,199 | 132,183 | 122,015 | 113,300 |
| **40ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 593,518 | 508,730 | 445,138 | 395,679 | 356,111 | 323,737 | 296,759 | 254,365 | 222,569 | 197,839 | 178,055 | 161,868 | 148,379 | 136,966 | 127,182 |
| **45ДБ1** | Оп.реб. | Оп.реб. | 558,963 | 465,802 | 399,259 | 349,352 | 310,535 | 279,481 | 254,074 | 232,901 | 199,630 | 174,676 | 155,267 | 139,741 | 127,037 | 116,451 | 107,493 | 99,815 |
| **45ДБ2** | Оп.реб. | Оп.реб. | Оп.реб. | 490,318 | 420,273 | 367,739 | 326,879 | 294,191 | 267,446 | 245,159 | 210,136 | 183,869 | 163,439 | 147,095 | 133,723 | 122,580 | 113,150 | 105,068 |
| **45ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | 557,476 | 477,837 | 418,107 | 371,651 | 334,486 | 304,078 | 278,738 | 238,918 | 209,054 | 185,825 | 167,243 | 152,039 | 139,369 | 128,648 | 119,459 |
| **45ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | 587,832 | 503,856 | 440,874 | 391,888 | 352,699 | 320,636 | 293,916 | 251,928 | 220,437 | 195,944 | 176,350 | 160,318 | 146,958 | 135,654 | 125,964 |
| **45ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | 643,242 | 551,350 | 482,432 | 428,828 | 385,945 | 350,859 | 321,621 | 275,675 | 241,216 | 214,414 | 192,973 | 175,430 | 160,811 | 148,440 | 137,838 |
| **45ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | 519,990 | 445,706 | 389,993 | 346,660 | 311,994 | 283,631 | 259,995 | 222,853 | 194,996 | 173,330 | 155,997 | 141,815 | 129,998 | 119,998 | 111,426 |
| **45ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | 551,093 | 472,365 | 413,320 | 367,395 | 330,656 | 300,596 | 275,546 | 236,183 | 206,660 | 183,698 | 165,328 | 150,298 | 137,773 | 127,175 | 118,091 |
| **45ДБ8** | Оп.реб. | Оп.реб. | Оп.реб. | 606,202 | 519,602 | 454,652 | 404,135 | 363,721 | 330,656 | 303,101 | 259,801 | 227,326 | 202,067 | 181,861 | 165,328 | 151,551 | 139,893 | 129,900 |
| **45ДБ9** | Оп.реб. | Оп.реб. | Оп.реб. | 642,341 | 550,578 | 481,756 | 428,227 | 385,404 | 350,368 | 321,170 | 275,289 | 240,878 | 214,114 | 192,702 | 175,184 | 160,585 | 148,232 | 137,644 |
| **45ДБ10** | Оп.реб. | Оп.реб. | Оп.реб. | 698,051 | 598,329 | 523,536 | 465,367 | 418,831 | 380,755 | 349,025 | 299,165 | 261,769 | 232,684 | 209,415 | 190,378 | 174,513 | 161,089 | 149,582 |
| **45ДБ11** | Оп.реб. | Оп.реб. | Оп.реб. | 771,169 | 661,002 | 578,377 | 514,113 | 462,702 | 420,638 | 385,585 | 330,501 | 289,189 | 257,056 | 231,351 | 210,319 | 192,792 | 177,962 | 165,251 |
| **53ДБ3** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 627,657 | 549,200 | 488,178 | 439,360 | 399,418 | 366,133 | 313,829 | 274,600 | 244,089 | 219,680 | 199,709 | 183,067 | 168,985 | 156,914 |
| **53ДБ4** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 671,266 | 587,358 | 522,096 | 469,886 | 427,169 | 391,572 | 335,633 | 293,679 | 261,048 | 234,943 | 213,585 | 195,786 | 180,726 | 167,817 |
| **53ДБ5** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 713,237 | 624,083 | 554,740 | 499,266 | 453,878 | 416,055 | 356,619 | 312,041 | 277,370 | 249,633 | 226,939 | 208,028 | 192,025 | 178,309 |
| **53ДБ6** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 805,787 | 705,064 | 626,724 | 564,051 | 512,774 | 470,043 | 402,894 | 352,532 | 313,362 | 282,026 | 256,387 | 235,021 | 216,943 | 201,447 |
| **53ДБ7** | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 904,565 | 791,494 | 703,550 | 633,195 | 575,632 | 527,663 | 452,282 | 395,747 | 351,775 | 316,598 | 287,816 | 263,831 | 243,537 | 226,141 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



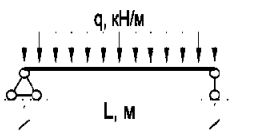
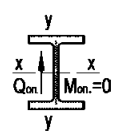



Таблица 6.4.4

| С390Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 60ДБ1 | Оп.реб. | Оп.реб. | Оп.реб. | 820,344 | 703,152 | 615,258 | 546,896 | 492,207 | 447,461 | 410,172 | 351,576 | 307,629 | 273,448 | 246,103 | 223,730 | 205,086 | 189,310 | 175,788 |
| 60ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 893,551 | 765,901 | 670,164 | 595,701 | 536,131 | 487,392 | 446,776 | 382,951 | 335,082 | 297,850 | 268,065 | 243,696 | 223,388 | 206,204 | 191,475 |
| 60ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 738,052 | 645,796 | 574,041 | 516,637 | 469,670 | 430,531 | 369,026 | 322,898 | 287,020 | 258,318 | 234,835 | 215,265 | 198,706 | 184,513 |
| 60ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 787,530 | 689,089 | 612,524 | 551,271 | 501,156 | 459,393 | 393,765 | 344,545 | 306,262 | 275,636 | 250,578 | 229,696 | 212,027 | 196,883 |
| 60ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 731,391 | 650,125 | 585,113 | 531,921 | 487,594 | 417,938 | 365,696 | 325,063 | 292,556 | 265,960 | 243,797 | 225,043 | 208,969 |
| 60ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 804,864 | 715,434 | 643,891 | 585,355 | 536,576 | 459,922 | 402,432 | 357,717 | 321,945 | 292,678 | 268,288 | 247,650 | 229,961 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 117,547 | 88,160 | 70,528 | 58,773 | 50,377 | 44,080 | 39,182 | 35,264 | 32,058 | 29,387 | 25,189 | 22,040 | 19,591 | 17,632 | 16,029 | 14,693 | 13,563 | 12,594 |
| 10ДК2 | 141,056 | 105,792 | 84,634 | 70,528 | 60,453 | 52,896 | 47,019 | 42,317 | 38,470 | 35,264 | 30,226 | 26,448 | 23,509 | 21,158 | 19,235 | 17,632 | 16,276 | 15,113 |
| 10ДК3 | 274,688 | 206,016 | 164,813 | 137,344 | 117,723 | 103,008 | 91,563 | 82,406 | 74,915 | 68,672 | 58,862 | 51,504 | 45,781 | 41,203 | 37,457 | 34,336 | 31,695 | 29,431 |
| 12ДК1 | Оп.реб. | 107,996 | 86,397 | 71,997 | 61,712 | 53,998 | 47,998 | 43,198 | 39,271 | 35,999 | 30,856 | 26,999 | 23,999 | 21,599 | 19,636 | 17,999 | 16,615 | 15,428 |
| 12ДК2 | Оп.реб. | 136,700 | 109,360 | 91,133 | 78,114 | 68,350 | 60,756 | 54,680 | 49,709 | 45,567 | 39,057 | 34,175 | 30,378 | 27,340 | 24,855 | 22,783 | 21,031 | 19,529 |
| 12ДК3 | Оп.реб. | 262,885 | 210,308 | 175,257 | 150,220 | 131,443 | 116,838 | 105,154 | 95,595 | 87,628 | 75,110 | 65,721 | 58,419 | 52,577 | 47,797 | 43,814 | 40,444 | 37,555 |
| 14ДК1 | Оп.реб. | 140,615 | 112,492 | 93,743 | 80,352 | 70,308 | 62,496 | 56,246 | 51,133 | 46,872 | 40,176 | 35,154 | 31,248 | 28,123 | 25,566 | 23,436 | 21,633 | 20,088 |
| 14ДК2 | Оп.реб. | 174,255 | 139,404 | 116,170 | 99,574 | 87,128 | 77,447 | 69,702 | 63,366 | 58,085 | 49,787 | 43,564 | 38,723 | 34,851 | 31,683 | 29,043 | 26,808 | 24,894 |
| 14ДК3 | Оп.реб. | 323,617 | 258,893 | 215,745 | 184,924 | 161,808 | 143,830 | 129,447 | 117,679 | 107,872 | 92,462 | 80,904 | 71,915 | 64,723 | 58,839 | 53,936 | 49,787 | 46,231 |
| 15ДК1 | 236,574 | 177,431 | 141,945 | 118,287 | 101,389 | 88,715 | 78,858 | 70,972 | 64,520 | 59,144 | 50,695 | 44,358 | 39,429 | 35,486 | 32,260 | 29,572 | 27,297 | 25,347 |
| 15ДК2 | Оп.реб. | 201,322 | 161,058 | 134,215 | 115,041 | 100,661 | 89,477 | 80,529 | 73,208 | 67,107 | 57,521 | 50,331 | 44,738 | 40,264 | 36,604 | 33,554 | 30,973 | 28,760 |
| 15ДК3 | Оп.реб. | 241,270 | 193,016 | 160,847 | 137,869 | 120,635 | 107,231 | 96,508 | 87,735 | 80,423 | 68,934 | 60,318 | 53,616 | 48,254 | 43,867 | 40,212 | 37,119 | 34,467 |
| 16ДК1 | Оп.реб. | 177,202 | 141,761 | 118,134 | 101,258 | 88,601 | 78,756 | 70,881 | 64,437 | 59,067 | 50,629 | 44,300 | 39,378 | 35,440 | 32,218 | 29,534 | 27,262 | 25,315 |
| 16ДК2 | Оп.реб. | Оп.реб. | 184,041 | 153,367 | 131,458 | 115,026 | 102,245 | 92,020 | 83,655 | 76,684 | 65,729 | 57,513 | 51,122 | 46,010 | 41,827 | 38,342 | 35,392 | 32,864 |
| 16ДК3 | Оп.реб. | Оп.реб. | 322,072 | 268,393 | 230,051 | 201,295 | 178,929 | 161,036 | 146,396 | 134,197 | 115,026 | 100,647 | 89,464 | 80,518 | 73,198 | 67,098 | 61,937 | 57,513 |
| 18ДК1 | Оп.реб. | Оп.реб. | 160,804 | 134,003 | 114,860 | 100,502 | 89,335 | 80,402 | 73,093 | 67,002 | 57,430 | 50,251 | 44,668 | 40,201 | 36,546 | 33,501 | 30,924 | 28,715 |
| 18ДК2 | Оп.реб. | Оп.реб. | 216,591 | 180,493 | 154,708 | 135,370 | 120,329 | 108,296 | 98,451 | 90,246 | 77,354 | 67,685 | 60,164 | 54,148 | 49,225 | 45,123 | 41,652 | 38,677 |
| 18ДК3 | Оп.реб. | Оп.реб. | 378,383 | 315,319 | 270,273 | 236,489 | 210,213 | 189,191 | 171,992 | 157,659 | 135,137 | 118,245 | 105,106 | 94,596 | 85,996 | 78,830 | 72,766 | 67,568 |
| 20ДК1 | Оп.реб. | Оп.реб. | 223,733 | 186,444 | 159,810 | 139,833 | 124,296 | 111,867 | 101,697 | 93,222 | 79,905 | 69,917 | 62,148 | 55,933 | 50,848 | 46,611 | 43,026 | 39,952 |
| 20ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | 204,345 | 175,153 | 153,259 | 136,230 | 122,607 | 111,461 | 102,172 | 87,576 | 76,629 | 68,115 | 61,303 | 55,730 | 51,086 | 47,157 | 43,788 |
| 20ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | 236,426 | 202,651 | 177,320 | 157,618 | 141,856 | 128,960 | 118,213 | 101,326 | 88,660 | 78,809 | 70,928 | 64,480 | 59,107 | 54,560 | 50,663 |
| 20ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | 264,422 | 226,647 | 198,316 | 176,281 | 158,653 | 144,230 | 132,211 | 113,324 | 99,158 | 88,141 | 79,326 | 72,115 | 66,105 | 61,020 | 56,662 |
| 20ДК5 | Оп.реб. | Оп.реб. | Оп.реб. | 336,264 | 288,226 | 252,198 | 224,176 | 201,758 | 183,417 | 168,132 | 144,113 | 126,099 | 112,088 | 100,879 | 91,708 | 84,066 | 77,599 | 72,057 |
| 20ДК6 | Оп.реб. | Оп.реб. | Оп.реб. | 376,723 | 322,906 | 282,542 | 251,149 | 226,034 | 205,485 | 188,362 | 161,453 | 141,271 | 125,574 | 113,017 | 102,743 | 94,181 | 86,936 | 80,726 |
| 25ДК1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 236,864 | 207,256 | 184,228 | 165,805 | 150,732 | 138,171 | 118,432 | 103,628 | 92,114 | 82,903 | 75,366 | 69,085 | 63,771 | 59,216 |
| 25ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 259,129 | 226,738 | 201,545 | 181,390 | 164,900 | 151,159 | 129,564 | 113,369 | 100,772 | 90,695 | 82,450 | 75,579 | 69,765 | 64,782 |
| 25ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 295,753 | 258,784 | 230,030 | 207,027 | 188,207 | 172,523 | 147,877 | 129,392 | 115,015 | 103,514 | 94,103 | 86,261 | 79,626 | 73,938 |
| 25ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 328,046 | 287,040 | 255,147 | 229,632 | 208,757 | 191,360 | 164,023 | 143,520 | 127,574 | 114,816 | 104,378 | 95,680 | 88,320 | 82,012 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



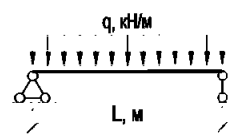
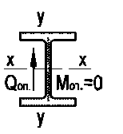



Таблица 6.4.4

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| | Тип Б - Балочные нормальные двутавры | | | | | | | | | | | | | | | | | |
| 10Б1 | 120,796 | 90,597 | 72,478 | 60,398 | 51,770 | 45,299 | 40,265 | 36,239 | 32,944 | 30,199 | 25,885 | 22,649 | 20,133 | 18,119 | 16,472 | 15,100 | 13,938 | 12,942 |
| 12Б1 | 135,714 | 101,785 | 81,428 | 67,857 | 58,163 | 50,893 | 45,238 | 40,714 | 37,013 | 33,928 | 29,081 | 25,446 | 22,619 | 20,357 | 18,506 | 16,964 | 15,659 | 14,541 |
| 12Б2 | 157,142 | 117,856 | 94,285 | 78,571 | 67,347 | 58,928 | 52,381 | 47,143 | 42,857 | 39,285 | 33,673 | 29,464 | 26,190 | 23,571 | 21,428 | 19,643 | 18,132 | 16,837 |
| 14Б1 | 159,470 | 119,602 | 95,682 | 79,735 | 68,344 | 59,801 | 53,157 | 47,841 | 43,492 | 39,867 | 34,172 | 29,901 | 26,578 | 23,920 | 21,746 | 19,934 | 18,400 | 17,086 |
| 14Б2 | 197,239 | 147,929 | 118,343 | 98,619 | 84,531 | 73,965 | 65,746 | 59,172 | 53,792 | 49,310 | 42,265 | 36,982 | 32,873 | 29,586 | 26,896 | 24,655 | 22,758 | 21,133 |
| 16Б1 | 193,135 | 144,852 | 115,881 | 96,568 | 82,772 | 72,426 | 64,378 | 57,941 | 52,673 | 48,284 | 41,386 | 36,213 | 32,189 | 28,970 | 26,337 | 24,142 | 22,285 | 20,693 |
| 16Б2 | 241,419 | 181,064 | 144,852 | 120,710 | 103,465 | 90,532 | 80,473 | 72,426 | 65,842 | 60,355 | 51,733 | 45,266 | 40,237 | 36,213 | 32,921 | 30,177 | 27,856 | 25,866 |
| 18Б1 | 234,503 | 175,877 | 140,702 | 117,251 | 100,501 | 87,938 | 78,168 | 70,351 | 63,955 | 58,626 | 50,251 | 43,969 | 39,084 | 35,175 | 31,978 | 29,313 | 27,058 | 25,125 |
| 18Б2 | 289,038 | 216,778 | 173,423 | 144,519 | 123,873 | 108,389 | 96,346 | 86,711 | 78,829 | 72,259 | 61,937 | 54,195 | 48,173 | 43,356 | 39,414 | 36,130 | 33,351 | 30,968 |
| 20Б0 | 275,338 | 206,503 | 165,203 | 137,669 | 118,002 | 103,252 | 91,779 | 82,601 | 75,092 | 68,834 | 59,001 | 51,626 | 45,890 | 41,301 | 37,546 | 34,417 | 31,770 | 29,500 |
| 20Б1 | 336,524 | 252,393 | 201,914 | 168,262 | 144,224 | 126,196 | 112,175 | 100,957 | 91,779 | 84,131 | 72,112 | 63,098 | 56,087 | 50,479 | 45,890 | 42,065 | 38,830 | 36,056 |
| 20Б2 | 397,710 | 298,282 | 238,626 | 198,855 | 170,447 | 149,141 | 132,570 | 119,313 | 108,466 | 99,427 | 85,224 | 74,571 | 66,285 | 59,656 | 54,233 | 49,714 | 45,890 | 42,612 |
| 20Б3 | 489,489 | 367,117 | 293,693 | 244,745 | 209,781 | 183,558 | 163,163 | 146,847 | 133,497 | 122,372 | 104,891 | 91,779 | 81,582 | 73,423 | 66,749 | 61,186 | 56,480 | 52,445 |
| 25Б1 | Оп.реб | 289,304 | 231,443 | 192,869 | 165,317 | 144,652 | 128,580 | 115,722 | 105,201 | 96,435 | 82,658 | 72,326 | 64,290 | 57,861 | 52,601 | 48,217 | 44,508 | 41,329 |
| 25Б2 | Оп.реб. | 347,165 | 277,732 | 231,443 | 198,380 | 173,582 | 154,295 | 138,866 | 126,242 | 115,722 | 99,190 | 86,791 | 77,148 | 69,433 | 63,121 | 57,861 | 53,410 | 49,595 |
| 25Б3 | Оп.реб | 433,956 | 347,165 | 289,304 | 247,975 | 216,978 | 192,869 | 173,582 | 157,802 | 144,652 | 123,987 | 108,489 | 96,435 | 86,791 | 78,901 | 72,326 | 66,762 | 61,994 |
| 25Б4 | Оп.реб. | 520,747 | 416,598 | 347,165 | 297,570 | 260,374 | 231,443 | 208,299 | 189,363 | 173,582 | 148,785 | 130,187 | 115,722 | 104,149 | 94,681 | 86,791 | 80,115 | 74,392 |
| 30Б1 | Оп.реб | Оп.реб | 309,456 | 257,880 | 221,040 | 193,410 | 171,920 | 154,728 | 140,662 | 128,940 | 110,520 | 96,705 | 85,960 | 77,364 | 70,331 | 64,470 | 59,511 | 55,260 |
| 30Б2 | Оп.реб. | 457,150 | 365,720 | 304,767 | 261,229 | 228,575 | 203,178 | 182,860 | 166,236 | 152,383 | 130,614 | 114,288 | 101,589 | 91,430 | 83,118 | 76,192 | 70,331 | 65,307 |
| 30Б3 | Оп.реб | Оп.реб | 450,117 | 375,098 | 321,512 | 281,323 | 250,065 | 225,059 | 204,599 | 187,549 | 160,756 | 140,662 | 125,033 | 112,529 | 102,299 | 93,774 | 86,561 | 80,378 |
| 30Б4 | Оп.реб. | Оп.реб. | 534,514 | 445,428 | 381,796 | 334,071 | 296,952 | 267,257 | 242,961 | 222,714 | 190,898 | 167,036 | 148,476 | 133,629 | 121,480 | 111,357 | 102,791 | 95,449 |
| 35Б1 | Оп.реб | Оп.реб | 392,655 | 327,213 | 280,468 | 245,410 | 218,142 | 196,328 | 178,480 | 163,606 | 140,234 | 122,705 | 109,071 | 98,164 | 89,240 | 81,803 | 75,511 | 70,117 |
| 35Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 381,748 | 327,213 | 286,311 | 254,499 | 229,049 | 208,226 | 190,874 | 163,606 | 143,156 | 127,249 | 114,524 | 104,113 | 95,437 | 88,096 | 81,803 |
| 35Б3 | Оп.реб | Оп.реб | Оп.реб | 463,551 | 397,330 | 347,664 | 309,034 | 278,131 | 252,846 | 231,776 | 198,665 | 173,832 | 154,517 | 139,065 | 126,423 | 115,888 | 106,973 | 99,332 |
| 35Б4 | Оп.реб. | Оп.реб. | Оп.реб. | 545,355 | 467,447 | 409,016 | 363,570 | 327,213 | 297,466 | 272,677 | 233,723 | 204,508 | 181,785 | 163,606 | 148,733 | 136,339 | 125,851 | 116,862 |
| 40Б1 | Оп.реб | Оп.реб | Оп.реб | 435,286 | 373,102 | 326,465 | 290,191 | 261,172 | 237,429 | 217,643 | 186,551 | 163,232 | 145,095 | 130,586 | 118,714 | 108,822 | 100,451 | 93,276 |
| 40Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 497,470 | 426,403 | 373,102 | 331,647 | 298,482 | 271,347 | 248,735 | 213,201 | 186,551 | 165,823 | 149,241 | 135,674 | 124,367 | 114,801 | 106,601 |
| 40Б3 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 506,353 | 443,059 | 393,830 | 354,447 | 322,225 | 295,373 | 253,177 | 221,530 | 196,915 | 177,224 | 161,112 | 147,686 | 136,326 | 126,588 |
| 40Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 586,304 | 513,016 | 456,014 | 410,413 | 373,102 | 342,011 | 293,152 | 256,508 | 228,007 | 205,206 | 186,551 | 171,005 | 157,851 | 146,576 |
| 45Б1 | Оп.реб | Оп.реб | Оп.реб | 561,316 | 481,128 | 420,987 | 374,211 | 336,790 | 306,173 | 280,658 | 240,564 | 210,494 | 187,105 | 168,395 | 153,086 | 140,329 | 129,535 | 120,282 |
| 45Б2 | Оп.реб. | Оп.реб. | Оп.реб. | 631,481 | 541,269 | 473,611 | 420,987 | 378,888 | 344,444 | 315,740 | 270,635 | 236,805 | 210,494 | 189,444 | 172,222 | 157,870 | 145,726 | 135,317 |
| 45Б3 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 631,481 | 552,546 | 491,152 | 442,037 | 401,851 | 368,364 | 315,740 | 276,273 | 245,576 | 221,018 | 200,926 | 184,182 | 170,014 | 157,870 |
| 45Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 721,692 | 631,481 | 561,316 | 505,185 | 459,259 | 420,987 | 360,846 | 315,740 | 280,658 | 252,592 | 229,629 | 210,494 | 194,302 | 180,423 |
| 50Б1 | Оп.реб. | Оп.реб. | Оп.реб. | 684,753 | 586,931 | 513,564 | 456,502 | 410,852 | 373,501 | 342,376 | 293,465 | 256,782 | 228,251 | 205,426 | 186,751 | 171,188 | 158,020 | 146,733 |
| 50Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 600,270 | 525,236 | 466,877 | 420,189 | 381,990 | 350,158 | 300,135 | 262,618 | 233,438 | 210,095 | 190,995 | 175,079 | 161,611 | 150,068 |
| 50Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 666,967 | 583,596 | 518,752 | 466,877 | 424,433 | 389,064 | 333,483 | 291,798 | 259,376 | 233,438 | 212,217 | 194,532 | 179,568 | 166,742 |
| 50Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 800,360 | 700,315 | 622,502 | 560,252 | 509,320 | 466,877 | 400,180 | 350,158 | 311,251 | 280,126 | 254,660 | 233,438 | 215,482 | 200,090 |
| 50Б5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 977,184 | 855,036 | 760,032 | 684,029 | 621,844 | 570,024 | 488,592 | 427,518 | 380,016 | 342,014 | 310,922 | 285,012 | 263,088 | 244,296 |
| 55Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 698,605 | 611,279 | 543,359 | 489,024 | 444,567 | 407,520 | 349,303 | 305,640 | 271,680 | 244,512 | 222,283 | 203,760 | 188,086 | 174,651 |
| 55Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 735,374 | 643,452 | 571,957 | 514,762 | 467,965 | 428,968 | 367,687 | 321,726 | 285,979 | 257,381 | 233,983 | 214,484 | 197,985 | 183,843 |
| 55Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 882,448 | 772,142 | 686,349 | 617,714 | 561,558 | 514,762 | 441,224 | 386,071 | 343,174 | 308,857 | 280,779 | 257,381 | 237,582 | 220,612 |
| 55Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1005,581 | 879,883 | 782,118 | 703,907 | 639,915 | 586,589 | 502,790 | 439,942 | 391,059 | 351,953 | 319,958 | 293,294 | 270,733 | 251,395 |
| 60Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 806,631 | 705,802 | 627,380 | 564,642 | 513,311 | 470,535 | 403,315 | 352,901 | 313,690 | 282,321 | 256,655 | 235,267 | 217,170 | 201,658 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



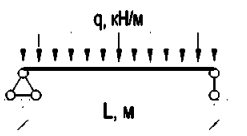
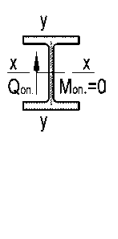



Таблица 6.4.4

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 60Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 887,294 | 776,382 | 690,118 | 621,106 | 564,642 | 517,588 | 443,647 | 388,191 | 345,059 | 310,553 | 282,321 | 258,794 | 238,887 | 221,823 |
| 60Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1008,289 | 882,253 | 784,224 | 705,802 | 641,638 | 588,168 | 504,144 | 441,126 | 392,112 | 352,901 | 320,819 | 294,084 | 271,462 | 252,072 |
| 60Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1181,808 | 1034,082 | 919,184 | 827,266 | 752,060 | 689,388 | 590,904 | 517,041 | 459,592 | 413,633 | 376,030 | 344,694 | 318,179 | 295,452 |
| 70Б1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 987,624 | 877,888 | 790,099 | 718,272 | 658,416 | 564,357 | 493,812 | 438,944 | 395,050 | 359,136 | 329,208 | 303,884 | 282,178 |
| 70Б2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1069,926 | 951,045 | 855,941 | 778,128 | 713,284 | 611,386 | 534,963 | 475,523 | 427,970 | 389,064 | 356,642 | 329,208 | 305,693 |
| 70Б3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1165,626 | 1036,112 | 932,501 | 847,728 | 777,084 | 666,072 | 582,813 | 518,056 | 466,250 | 423,864 | 388,542 | 358,654 | 333,036 |
| 70Б4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1366,596 | 1214,752 | 1093,277 | 993,888 | 911,064 | 780,912 | 683,298 | 607,376 | 546,638 | 496,944 | 455,532 | 420,491 | 390,456 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | Оп.реб. | 219,472 | 175,578 | 146,315 | 125,413 | 109,736 | 97,543 | 87,789 | 79,808 | 73,157 | 62,706 | 54,868 | 48,772 | 43,894 | 39,904 | 36,579 | 33,765 | 31,353 |
| 20Ш1 | Оп.реб. | 263,366 | 210,693 | 175,578 | 150,495 | 131,683 | 117,052 | 105,347 | 95,770 | 87,789 | 75,248 | 65,842 | 58,526 | 52,673 | 47,885 | 43,894 | 40,518 | 37,624 |
| 20Ш2 | Оп.реб. | 329,208 | 263,366 | 219,472 | 188,119 | 164,604 | 146,315 | 131,683 | 119,712 | 109,736 | 94,059 | 82,302 | 73,157 | 65,842 | 59,856 | 54,868 | 50,647 | 47,030 |
| 20Ш3 | Оп.реб. | 395,050 | 316,040 | 263,366 | 225,743 | 197,525 | 175,578 | 158,020 | 143,654 | 131,683 | 112,871 | 98,762 | 87,789 | 79,010 | 71,827 | 65,842 | 60,777 | 56,436 |
| 20Ш4 | Оп.реб. | Оп.реб. | 386,271 | 321,892 | 275,908 | 241,419 | 214,595 | 193,135 | 175,578 | 160,946 | 137,954 | 120,710 | 107,297 | 96,568 | 87,789 | 80,473 | 74,283 | 68,977 |
| 20Ш5 | Оп.реб. | Оп.реб. | 445,885 | 371,571 | 318,490 | 278,678 | 247,714 | 222,943 | 202,675 | 185,786 | 159,245 | 139,339 | 123,857 | 111,471 | 101,338 | 92,893 | 85,747 | 79,622 |
| 20Ш6 | Оп.реб. | Оп.реб. | 548,782 | 457,318 | 391,987 | 342,989 | 304,879 | 274,391 | 249,446 | 228,659 | 195,994 | 171,494 | 152,439 | 137,196 | 124,723 | 114,330 | 105,535 | 97,997 |
| 25Ш0 | Оп.реб. | Оп.реб. | 265,761 | 221,467 | 189,829 | 166,100 | 147,645 | 132,880 | 120,800 | 110,734 | 94,915 | 83,050 | 73,822 | 66,440 | 60,400 | 55,367 | 51,108 | 47,457 |
| 25Ш1 | Оп.реб | Оп.реб. | 310,054 | 258,378 | 221,467 | 193,784 | 172,252 | 155,027 | 140,934 | 129,189 | 110,734 | 96,892 | 86,126 | 77,514 | 70,467 | 64,595 | 59,626 | 55,367 |
| 25Ш2 | Оп.реб. | Оп.реб. | 376,494 | 313,745 | 268,924 | 235,309 | 209,163 | 188,247 | 171,134 | 156,873 | 134,462 | 117,654 | 104,582 | 94,124 | 85,567 | 78,436 | 72,403 | 67,231 |
| 25Ш3 | Оп.реб. | Оп.реб. | 465,081 | 387,568 | 332,201 | 290,676 | 258,378 | 232,541 | 211,401 | 193,784 | 166,100 | 145,338 | 129,189 | 116,270 | 105,700 | 96,892 | 89,439 | 83,050 |
| 25Ш4 | Оп.реб. | Оп.реб. | 562,424 | 468,686 | 401,731 | 351,515 | 312,458 | 281,212 | 255,647 | 234,343 | 200,866 | 175,757 | 156,229 | 140,606 | 127,824 | 117,172 | 108,158 | 100,433 |
| 25Ш5 | Оп.реб | Оп.реб. | 692,214 | 576,845 | 494,438 | 432,634 | 384,563 | 346,107 | 314,643 | 288,422 | 247,219 | 216,317 | 192,282 | 173,053 | 157,321 | 144,211 | 133,118 | 123,610 |
| 25Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | 668,694 | 573,166 | 501,520 | 445,796 | 401,216 | 364,742 | 334,347 | 286,583 | 250,760 | 222,898 | 200,608 | 182,371 | 167,173 | 154,314 | 143,291 |
| 30Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | 314,244 | 269,352 | 235,683 | 209,496 | 188,546 | 171,406 | 157,122 | 134,676 | 117,842 | 104,748 | 94,273 | 85,703 | 78,561 | 72,518 | 67,338 |
| 30Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | 359,136 | 307,831 | 269,352 | 239,424 | 215,482 | 195,892 | 179,568 | 153,915 | 134,676 | 119,712 | 107,741 | 97,946 | 89,784 | 82,878 | 76,958 |
| 30Ш2 | Оп.реб | Оп.реб | Оп.реб | 404,028 | 346,310 | 303,021 | 269,352 | 242,417 | 220,379 | 202,014 | 173,155 | 151,511 | 134,676 | 121,208 | 110,189 | 101,007 | 93,237 | 86,577 |
| 30Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | 493,812 | 423,267 | 370,359 | 329,208 | 296,287 | 269,352 | 246,906 | 211,634 | 185,180 | 164,604 | 148,144 | 134,676 | 123,453 | 113,957 | 105,817 |
| 30Ш4 | Оп.реб | Оп.реб | Оп.реб | 570,024 | 488,592 | 427,518 | 380,016 | 342,014 | 310,922 | 285,012 | 244,296 | 213,759 | 190,008 | 171,007 | 155,461 | 142,506 | 131,544 | 122,148 |
| 30Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 601,344 | 526,176 | 467,712 | 420,941 | 382,673 | 350,784 | 300,672 | 263,088 | 233,856 | 210,470 | 191,337 | 175,392 | 161,900 | 150,336 |
| 30Ш6 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 733,783 | 642,060 | 570,720 | 513,648 | 466,953 | 428,040 | 366,891 | 321,030 | 285,360 | 256,824 | 233,476 | 214,020 | 197,557 | 183,446 |
| 35Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 355,716 | 311,251 | 276,668 | 249,001 | 226,365 | 207,501 | 177,858 | 155,626 | 138,334 | 124,500 | 113,182 | 103,750 | 95,770 | 88,929 |
| 35Ш2 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 400,180 | 350,158 | 311,251 | 280,126 | 254,660 | 233,438 | 200,090 | 175,079 | 155,626 | 140,063 | 127,330 | 116,719 | 107,741 | 100,045 |
| 35Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 489,109 | 427,970 | 380,418 | 342,376 | 311,251 | 285,314 | 244,555 | 213,985 | 190,209 | 171,188 | 155,626 | 142,657 | 131,683 | 122,277 |
| 35Ш4 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 564,595 | 494,021 | 439,130 | 395,217 | 359,288 | 329,347 | 282,298 | 247,010 | 219,565 | 197,608 | 179,644 | 164,674 | 152,006 | 141,149 |
| 35Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 694,886 | 608,026 | 540,467 | 486,420 | 442,200 | 405,350 | 347,443 | 304,013 | 270,234 | 243,210 | 221,100 | 202,675 | 187,085 | 173,722 |
| 35Ш6 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 704,839 | 626,524 | 563,871 | 512,610 | 469,893 | 402,765 | 352,420 | 313,262 | 281,936 | 256,305 | 234,946 | 216,874 | 201,383 |
| 35Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 853,226 | 758,423 | 682,581 | 620,528 | 568,818 | 487,558 | 426,613 | 379,212 | 341,291 | 310,264 | 284,409 | 262,531 | 243,779 |
| 40Ш1 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 484,691 | 424,105 | 376,982 | 339,284 | 308,440 | 282,736 | 242,346 | 212,052 | 188,491 | 169,642 | 154,220 | 141,368 | 130,494 | 121,173 |
| 40Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 396,823 | 357,141 | 324,673 | 297,617 | 255,101 | 223,213 | 198,412 | 178,570 | 162,337 | 148,809 | 137,362 | 127,550 |
| 40Ш3 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 476,188 | 428,569 | 389,608 | 357,141 | 306,121 | 267,856 | 238,094 | 214,284 | 194,804 | 178,570 | 164,834 | 153,060 |
| 40Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 562,012 | 505,811 | 459,828 | 421,509 | 361,294 | 316,132 | 281,006 | 252,906 | 229,914 | 210,755 | 194,543 | 180,647 |
| 40Ш5 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 678,291 | 610,462 | 554,965 | 508,718 | 436,044 | 381,539 | 339,145 | 305,231 | 277,483 | 254,359 | 234,793 | 218,022 |
| 40Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 794,569 | 715,112 | 650,102 | 595,927 | 510,794 | 446,945 | 397,285 | 357,556 | 325,051 | 297,963 | 275,043 | 255,397 |
| 40Ш7 | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | Оп.реб | 945,916 | 851,324 | 773,931 | 709,437 | 608,089 | 532,078 | 472,958 | 425,662 | 386,965 | 354,718 | 327,432 | 304,044 |
| 45Ш0 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 503,788 | 447,812 | 403,030 | 366,391 | 335,859 | 287,879 | 251,894 | 223,906 | 201,515 | 183,196 | 167,929 | 155,012 | 143,939 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



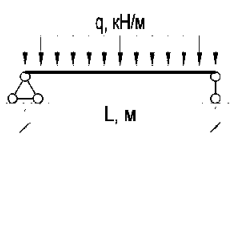
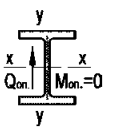



Таблица 6.4.4

| С440Б | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 45Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 492,593 | 443,333 | 403,030 | 369,445 | 316,667 | 277,083 | 246,296 | 221,667 | 201,515 | 184,722 | 170,513 | 158,333 |
| 45Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 568,617 | 511,755 | 465,232 | 426,462 | 365,539 | 319,847 | 284,308 | 255,877 | 232,616 | 213,231 | 196,829 | 182,770 |
| 45Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 656,096 | 590,486 | 536,806 | 492,072 | 421,776 | 369,054 | 328,048 | 295,243 | 268,403 | 246,036 | 227,110 | 210,888 |
| 45Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 787,315 | 708,584 | 644,167 | 590,486 | 506,131 | 442,865 | 393,658 | 354,292 | 322,083 | 295,243 | 272,532 | 253,066 |
| 45Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 896,665 | 806,998 | 733,635 | 672,498 | 576,427 | 504,374 | 448,332 | 403,499 | 366,817 | 336,249 | 310,384 | 288,214 |
| 45Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 960,712 | 873,375 | 800,593 | 686,223 | 600,445 | 533,729 | 480,356 | 436,687 | 400,297 | 369,505 | 343,111 |
| 50Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 620,008 | 551,119 | 496,007 | 450,915 | 413,339 | 354,291 | 310,004 | 275,559 | 248,003 | 225,458 | 206,669 | 190,772 | 177,145 |
| 50Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 934,039 | 817,284 | 726,474 | 653,827 | 594,388 | 544,856 | 467,019 | 408,642 | 363,237 | 326,914 | 297,194 | 272,428 | 251,472 | 233,510 |
| 50Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 853,331 | 758,516 | 682,665 | 620,604 | 568,887 | 487,618 | 426,665 | 379,258 | 341,332 | 310,302 | 284,444 | 262,563 | 243,809 |
| 50Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 908,384 | 807,453 | 726,708 | 660,643 | 605,590 | 519,077 | 454,192 | 403,726 | 363,354 | 330,322 | 302,795 | 279,503 | 259,538 |
| 50Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1046,018 | 929,794 | 836,815 | 760,741 | 697,346 | 597,725 | 523,009 | 464,897 | 418,407 | 380,370 | 348,673 | 321,852 | 298,862 |
| 50Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1050,970 | 945,873 | 859,885 | 788,228 | 675,624 | 591,171 | 525,485 | 472,937 | 429,942 | 394,114 | 363,797 | 337,812 |
| 50Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1242,056 | 1117,850 | 1016,227 | 931,542 | 798,464 | 698,656 | 621,028 | 558,925 | 508,114 | 465,771 | 429,942 | 399,232 |
| 50Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1433,141 | 1289,827 | 1172,570 | 1074,856 | 921,305 | 806,142 | 716,571 | 644,914 | 586,285 | 537,428 | 496,087 | 460,653 |
| 60Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 728,913 | 656,022 | 596,383 | 546,685 | 468,587 | 410,014 | 364,457 | 328,011 | 298,192 | 273,342 | 252,316 | 234,293 |
| 60Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1067,942 | 949,282 | 854,354 | 776,685 | 711,962 | 610,253 | 533,971 | 474,641 | 427,177 | 388,343 | 355,981 | 328,598 | 305,126 |
| 60Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1201,435 | 1067,942 | 961,148 | 873,771 | 800,957 | 686,534 | 600,718 | 533,971 | 480,574 | 436,886 | 400,478 | 369,672 | 343,267 |
| 60Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1334,928 | 1186,603 | 1067,942 | 970,857 | 889,952 | 762,816 | 667,464 | 593,301 | 533,971 | 485,428 | 444,976 | 410,747 | 381,408 |
| 60Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1332,103 | 1198,892 | 1089,902 | 999,077 | 856,352 | 749,308 | 666,051 | 599,446 | 544,951 | 499,539 | 461,112 | 428,176 |
| 60Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1563,773 | 1407,396 | 1279,450 | 1172,830 | 1005,283 | 879,622 | 781,886 | 703,698 | 639,725 | 586,415 | 541,306 | 502,641 |
| 60Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1795,443 | 1615,899 | 1468,999 | 1346,582 | 1154,213 | 1009,937 | 897,721 | 807,949 | 734,499 | 673,291 | 621,499 | 577,107 |
| 60Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2085,030 | 1876,527 | 1705,934 | 1563,773 | 1340,377 | 1172,830 | 1042,515 | 938,264 | 852,967 | 781,886 | 721,741 | 670,188 |
| 70Ш1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 939,518 | 845,566 | 768,696 | 704,638 | 603,976 | 528,479 | 469,759 | 422,783 | 384,348 | 352,319 | 325,218 | 301,988 |
| 70Ш2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1058,848 | 952,963 | 866,330 | 794,136 | 680,688 | 595,602 | 529,424 | 476,482 | 433,165 | 397,068 | 366,524 | 340,344 |
| 70Ш3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1270,618 | 1143,556 | 1039,596 | 952,963 | 816,826 | 714,722 | 635,309 | 571,778 | 519,798 | 476,482 | 439,829 | 408,413 |
| 70Ш4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1412,638 | 1271,374 | 1155,794 | 1059,478 | 908,124 | 794,609 | 706,319 | 635,687 | 577,897 | 529,739 | 488,990 | 454,062 |
| 70Ш5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1584,911 | 1426,420 | 1296,745 | 1188,683 | 1018,871 | 891,512 | 792,455 | 713,210 | 648,373 | 594,341 | 548,623 | 509,436 |
| 70Ш6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1674,492 | 1522,266 | 1395,410 | 1196,066 | 1046,558 | 930,274 | 837,246 | 761,133 | 697,705 | 644,036 | 598,033 |
| 70Ш7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1984,584 | 1804,167 | 1653,820 | 1417,560 | 1240,365 | 1102,546 | 992,292 | 902,083 | 826,910 | 763,301 | 708,780 |
| 70Ш8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2356,693 | 2142,448 | 1963,911 | 1683,352 | 1472,933 | 1309,274 | 1178,347 | 1071,224 | 981,955 | 906,420 | 841,676 |
| Тип К - Колонные двутавры | | | | | | | | | | | | | | | | | | |
| 15К1 | Оп.реб. | 194,532 | 155,626 | 129,688 | 111,161 | 97,266 | 86,459 | 77,813 | 70,739 | 64,844 | 55,581 | 48,633 | 43,229 | 38,906 | 35,369 | 32,422 | 29,928 | 27,790 |
| 15К2 | Оп.реб. | 226,954 | 181,563 | 151,303 | 129,688 | 113,477 | 100,868 | 90,782 | 82,529 | 75,651 | 64,844 | 56,739 | 50,434 | 45,391 | 41,264 | 37,826 | 34,916 | 32,422 |
| 15К3 | Оп.реб. | 275,587 | 220,470 | 183,725 | 157,478 | 137,794 | 122,483 | 110,235 | 100,213 | 91,862 | 78,739 | 68,897 | 61,242 | 55,117 | 50,107 | 45,931 | 42,398 | 39,370 |
| 15К4 | Оп.реб. | 324,220 | 259,376 | 216,147 | 185,269 | 162,110 | 144,098 | 129,688 | 117,898 | 108,073 | 92,634 | 81,055 | 72,049 | 64,844 | 58,949 | 54,037 | 49,880 | 46,317 |
| 15К5 | Оп.реб. | 389,064 | 311,251 | 259,376 | 222,322 | 194,532 | 172,917 | 155,626 | 141,478 | 129,688 | 111,161 | 97,266 | 86,459 | 77,813 | 70,739 | 64,844 | 59,856 | 55,581 |
| 20К1 | Оп.реб. | Оп.реб. | 228,251 | 190,209 | 163,036 | 142,657 | 126,806 | 114,125 | 103,750 | 95,105 | 81,518 | 71,328 | 63,403 | 57,063 | 51,875 | 47,552 | 43,894 | 40,759 |
| 20К2 | Оп.реб. | Оп.реб. | 280,924 | 234,103 | 200,660 | 175,578 | 156,069 | 140,462 | 127,693 | 117,052 | 100,330 | 87,789 | 78,034 | 70,231 | 63,846 | 58,526 | 54,024 | 50,165 |
| 20К3 | Оп.реб. | Оп.реб. | Оп.реб. | 263,366 | 225,743 | 197,525 | 175,578 | 158,020 | 143,654 | 131,683 | 112,871 | 98,762 | 87,789 | 79,010 | 71,827 | 65,842 | 60,777 | 56,436 |
| 20К4 | Оп.реб. | Оп.реб. | Оп.реб. | 307,261 | 263,366 | 230,446 | 204,841 | 184,356 | 167,597 | 153,630 | 131,683 | 115,223 | 102,420 | 92,178 | 83,798 | 76,815 | 70,906 | 65,842 |
| 20К5 | Оп.реб. | Оп.реб. | Оп.реб. | 351,155 | 300,990 | 263,366 | 234,103 | 210,693 | 191,539 | 175,578 | 150,495 | 131,683 | 117,052 | 105,347 | 95,770 | 87,789 | 81,036 | 75,248 |
| 20К6 | Оп.реб. | Оп.реб. | Оп.реб. | 400,154 | 342,989 | 300,115 | 266,769 | 240,092 | 218,266 | 200,077 | 171,494 | 150,058 | 133,385 | 120,046 | 109,133 | 100,038 | 92,343 | 85,747 |
| 20К7 | Оп.реб. | Оп.реб. | Оп.реб. | 457,318 | 391,987 | 342,989 | 304,879 | 274,391 | 249,446 | 228,659 | 195,994 | 171,494 | 152,439 | 137,196 | 124,723 | 114,330 | 105,535 | 97,997 |
| 20К8 | Оп.реб. | Оп.реб. | Оп.реб. | 514,483 | 440,986 | 385,862 | 342,989 | 308,690 | 280,627 | 257,242 | 220,493 | 192,931 | 171,494 | 154,345 | 140,314 | 128,621 | 118,727 | 110,246 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



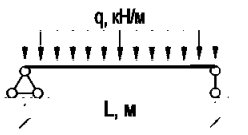
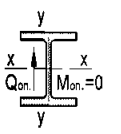



Таблица 6.4.4

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 25К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 253,105 | 221,467 | 196,860 | 177,174 | 161,067 | 147,645 | 126,553 | 110,734 | 98,430 | 88,587 | 80,534 | 73,822 | 68,144 | 63,276 |
| 25К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 284,744 | 249,151 | 221,467 | 199,320 | 181,200 | 166,100 | 142,372 | 124,575 | 110,734 | 99,660 | 90,600 | 83,050 | 76,662 | 71,186 |
| 25К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 316,382 | 276,834 | 246,075 | 221,467 | 201,334 | 184,556 | 158,191 | 138,417 | 123,037 | 110,734 | 100,667 | 92,278 | 85,180 | 79,095 |
| 25К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 348,020 | 304,517 | 270,682 | 243,614 | 221,467 | 203,012 | 174,010 | 152,259 | 135,341 | 121,807 | 110,734 | 101,506 | 93,698 | 87,005 |
| 25К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 395,477 | 346,043 | 307,593 | 276,834 | 251,667 | 230,695 | 197,739 | 173,021 | 153,797 | 138,417 | 125,834 | 115,348 | 106,475 | 98,869 |
| 25К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 432,634 | 378,554 | 336,493 | 302,844 | 275,312 | 252,370 | 216,317 | 189,277 | 168,246 | 151,422 | 137,656 | 126,185 | 116,478 | 108,158 |
| 25К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 494,438 | 432,634 | 384,563 | 346,107 | 314,643 | 288,422 | 247,219 | 216,317 | 192,282 | 173,053 | 157,321 | 144,211 | 133,118 | 123,610 |
| 25К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 556,243 | 486,713 | 432,634 | 389,370 | 353,973 | 324,475 | 278,122 | 243,356 | 216,317 | 194,685 | 176,986 | 162,238 | 149,758 | 139,061 |
| 25К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 603,333 | 527,916 | 469,259 | 422,333 | 383,939 | 351,944 | 301,666 | 263,958 | 234,629 | 211,166 | 191,969 | 175,972 | 162,436 | 150,833 |
| 25К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 693,832 | 607,103 | 539,647 | 485,683 | 441,530 | 404,736 | 346,916 | 303,552 | 269,824 | 242,841 | 220,765 | 202,368 | 186,801 | 173,458 |
| 30К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 303,021 | 269,352 | 242,417 | 220,379 | 202,014 | 173,155 | 151,511 | 134,676 | 121,208 | 110,189 | 101,007 | 93,237 | 86,577 |
| 30К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 336,690 | 299,280 | 269,352 | 244,865 | 224,460 | 192,394 | 168,345 | 149,640 | 134,676 | 122,433 | 112,230 | 103,597 | 96,197 |
| 30К3 | Оп.реб. | Оп.реб. | Оп.реб. | 673,380 | 577,183 | 505,035 | 448,920 | 404,028 | 367,298 | 336,690 | 288,591 | 252,518 | 224,460 | 202,014 | 183,649 | 168,345 | 155,395 | 144,296 |
| 30К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 370,359 | 329,208 | 296,287 | 269,352 | 246,906 | 211,634 | 185,180 | 164,604 | 148,144 | 134,676 | 123,453 | 113,957 | 105,817 |
| 30К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 404,028 | 359,136 | 323,222 | 293,839 | 269,352 | 230,873 | 202,014 | 179,568 | 161,611 | 146,919 | 134,676 | 124,316 | 115,437 |
| 30К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 427,518 | 380,016 | 342,014 | 310,922 | 285,012 | 244,296 | 213,759 | 190,008 | 171,007 | 155,461 | 142,506 | 131,544 | 122,148 |
| 30К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 476,847 | 423,864 | 381,478 | 346,798 | 317,898 | 272,484 | 238,424 | 211,932 | 190,739 | 173,399 | 158,949 | 146,722 | 136,242 |
| 30К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 423,864 | 381,478 | 346,798 | 317,898 | 272,484 | 238,424 | 211,932 | 190,739 | 173,399 | 158,949 | 146,722 | 136,242 |
| 30К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 420,941 | 382,673 | 350,784 | 300,672 | 263,088 | 233,856 | 210,470 | 191,337 | 175,392 | 161,900 | 150,336 |
| 30К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 526,176 | 473,558 | 430,508 | 394,632 | 338,256 | 295,974 | 263,088 | 236,779 | 215,254 | 197,316 | 182,138 | 169,128 |
| 30К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 570,720 | 513,648 | 466,953 | 428,040 | 366,891 | 321,030 | 285,360 | 256,824 | 233,476 | 214,020 | 197,557 | 183,446 |
| 30К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 565,013 | 513,648 | 470,844 | 403,581 | 353,133 | 313,896 | 282,506 | 256,824 | 235,422 | 217,313 | 201,790 |
| 30К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 616,378 | 560,343 | 513,648 | 440,270 | 385,236 | 342,432 | 308,189 | 280,172 | 256,824 | 237,068 | 220,135 |
| 30К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 693,425 | 630,386 | 577,854 | 495,303 | 433,391 | 385,236 | 346,712 | 315,193 | 288,927 | 266,702 | 247,652 |
| 30К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 770,472 | 700,429 | 642,060 | 550,337 | 481,545 | 428,040 | 385,236 | 350,215 | 321,030 | 296,335 | 275,169 |
| 30К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 847,519 | 770,472 | 706,266 | 605,371 | 529,700 | 470,844 | 423,760 | 385,236 | 353,133 | 325,969 | 302,685 |
| 30К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 924,566 | 840,515 | 770,472 | 660,405 | 577,854 | 513,648 | 462,283 | 420,257 | 385,236 | 355,602 | 330,202 |
| 30К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1001,614 | 910,558 | 834,678 | 715,438 | 626,009 | 556,452 | 500,807 | 455,279 | 417,339 | 385,236 | 357,719 |
| 30К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1104,343 | 1003,948 | 920,286 | 788,817 | 690,215 | 613,524 | 552,172 | 501,974 | 460,143 | 424,747 | 394,408 |
| 30К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1207,073 | 1097,339 | 1005,894 | 862,195 | 754,421 | 670,596 | 603,536 | 548,669 | 502,947 | 464,259 | 431,097 |
| 30К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1154,854 | 1058,616 | 907,385 | 793,962 | 705,744 | 635,170 | 577,427 | 529,308 | 488,592 | 453,693 |
| 35К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 345,835 | 311,251 | 282,956 | 259,376 | 222,322 | 194,532 | 172,917 | 155,626 | 141,478 | 129,688 | 119,712 | 111,161 |
| 35К1,5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 380,418 | 342,376 | 311,251 | 285,314 | 244,555 | 213,985 | 190,209 | 171,188 | 155,626 | 142,657 | 131,683 | 122,277 |
| 35К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 415,002 | 373,501 | 339,547 | 311,251 | 266,787 | 233,438 | 207,501 | 186,751 | 169,773 | 155,626 | 143,654 | 133,393 |
| 35К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 456,019 | 410,417 | 373,107 | 342,014 | 293,155 | 256,511 | 228,010 | 205,209 | 186,553 | 171,007 | 157,853 | 146,578 |
| 35К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 506,688 | 456,019 | 414,563 | 380,016 | 325,728 | 285,012 | 253,344 | 228,010 | 207,281 | 190,008 | 175,392 | 162,864 |
| 35К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 501,621 | 456,019 | 418,018 | 358,301 | 313,513 | 278,678 | 250,811 | 228,010 | 209,009 | 192,931 | 179,150 |
| 35К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 547,223 | 497,475 | 456,019 | 390,874 | 342,014 | 304,013 | 273,612 | 248,738 | 228,010 | 210,470 | 195,437 |
| 35К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 593,549 | 539,590 | 494,624 | 423,963 | 370,968 | 329,749 | 296,774 | 269,795 | 247,312 | 228,288 | 211,982 |
| 35К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 652,904 | 593,549 | 544,086 | 466,360 | 408,065 | 362,724 | 326,452 | 296,774 | 272,043 | 251,117 | 233,180 |
| 35К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 712,259 | 647,508 | 593,549 | 508,756 | 445,162 | 395,699 | 356,129 | 323,754 | 296,774 | 273,946 | 254,378 |
| 35К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 786,452 | 714,957 | 655,377 | 561,752 | 491,533 | 436,918 | 393,226 | 357,478 | 327,688 | 302,482 | 280,876 |
| 35К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 860,646 | 782,405 | 717,205 | 614,747 | 537,904 | 478,137 | 430,323 | 391,203 | 358,602 | 331,018 | 307,373 |
| 35К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 949,678 | 863,344 | 791,398 | 678,341 | 593,549 | 527,599 | 474,839 | 431,672 | 395,699 | 365,261 | 339,171 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



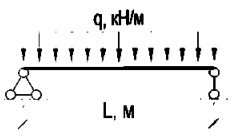
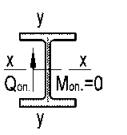



Таблица 6.4.4

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 35К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1038,710 | 944,282 | 865,592 | 741,936 | 649,194 | 577,061 | 519,355 | 472,141 | 432,796 | 399,504 | 370,968 |
| 35К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1127,743 | 1025,221 | 939,786 | 805,531 | 704,839 | 626,524 | 563,871 | 512,610 | 469,893 | 433,747 | 402,765 |
| 35К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1246,452 | 1133,139 | 1038,710 | 890,323 | 779,033 | 692,474 | 623,226 | 566,569 | 519,355 | 479,405 | 445,162 |
| 35К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1365,162 | 1241,057 | 1137,635 | 975,116 | 853,226 | 758,423 | 682,581 | 620,528 | 568,818 | 525,062 | 487,558 |
| 35К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1348,975 | 1236,560 | 1059,909 | 927,420 | 824,373 | 741,936 | 674,487 | 618,280 | 570,720 | 529,954 |
| 35К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1411,488 | 1293,864 | 1109,026 | 970,398 | 862,576 | 776,318 | 705,744 | 646,932 | 597,168 | 554,513 |
| 35К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1539,805 | 1411,488 | 1209,847 | 1058,616 | 940,992 | 846,893 | 769,903 | 705,744 | 651,456 | 604,923 |
| 35К20 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1582,577 | 1450,696 | 1243,454 | 1088,022 | 967,131 | 870,418 | 791,289 | 725,348 | 669,552 | 621,727 |
| 35К21 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1728,662 | 1584,606 | 1358,234 | 1188,455 | 1056,404 | 950,764 | 864,331 | 792,303 | 731,357 | 679,117 |
| 35К22 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1718,517 | 1473,014 | 1288,888 | 1145,678 | 1031,110 | 937,373 | 859,258 | 793,162 | 736,507 |
| 35К23 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1874,746 | 1606,925 | 1406,059 | 1249,830 | 1124,847 | 1022,589 | 937,373 | 865,267 | 803,462 |
| 35К24 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2053,293 | 1759,965 | 1539,970 | 1368,862 | 1231,976 | 1119,978 | 1026,646 | 947,674 | 879,983 |
| 40К1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 357,141 | 327,379 | 280,611 | 245,534 | 218,253 | 196,427 | 178,570 | 163,690 | 151,098 | 140,305 |
| 40К2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 412,260 | 377,905 | 323,918 | 283,429 | 251,937 | 226,743 | 206,130 | 188,952 | 174,418 | 161,959 |
| 40К3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 558,136 | 507,397 | 465,114 | 398,669 | 348,835 | 310,076 | 279,068 | 253,698 | 232,557 | 214,668 | 199,334 |
| 40К4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 570,821 | 523,253 | 448,502 | 392,440 | 348,835 | 313,952 | 285,411 | 261,626 | 241,501 | 224,251 |
| 40К4,5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 681,059 | 619,145 | 567,549 | 486,471 | 425,662 | 378,366 | 340,530 | 309,572 | 283,775 | 261,946 | 243,235 |
| 40К5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 783,218 | 712,016 | 652,682 | 559,441 | 489,511 | 435,121 | 391,609 | 356,008 | 326,341 | 301,238 | 279,721 |
| 40К6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 851,324 | 773,931 | 709,437 | 608,089 | 532,078 | 472,958 | 425,662 | 386,965 | 354,718 | 327,432 | 304,044 |
| 40К7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 953,483 | 866,803 | 794,569 | 681,059 | 595,927 | 529,713 | 476,741 | 433,401 | 397,285 | 366,724 | 340,530 |
| 40К8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1055,642 | 959,674 | 879,701 | 754,030 | 659,776 | 586,468 | 527,821 | 479,837 | 439,851 | 406,016 | 377,015 |
| 40К9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1191,854 | 1083,503 | 993,211 | 851,324 | 744,909 | 662,141 | 595,927 | 541,752 | 496,606 | 458,405 | 425,662 |
| 40К10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1328,065 | 1207,332 | 1106,721 | 948,618 | 830,041 | 737,814 | 664,033 | 603,666 | 553,361 | 510,794 | 474,309 |
| 40К11 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1464,277 | 1331,161 | 1220,231 | 1045,912 | 915,173 | 813,487 | 732,139 | 665,581 | 610,116 | 563,184 | 522,956 |
| 40К12 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1485,947 | 1362,118 | 1167,530 | 1021,589 | 908,079 | 817,271 | 742,974 | 681,059 | 628,670 | 583,765 |
| 40К13 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1560,698 | 1430,640 | 1226,263 | 1072,980 | 953,760 | 858,384 | 780,349 | 715,320 | 660,295 | 613,131 |
| 40К14 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1737,381 | 1592,599 | 1365,085 | 1194,449 | 1061,733 | 955,559 | 868,690 | 796,299 | 735,046 | 682,542 |
| 40К15 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1815,906 | 1664,581 | 1426,783 | 1248,436 | 1109,720 | 998,748 | 907,953 | 832,290 | 768,268 | 713,392 |
| 40К16 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2011,465 | 1843,843 | 1580,437 | 1382,882 | 1229,229 | 1106,306 | 1005,733 | 921,922 | 851,005 | 790,219 |
| 40К17 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2048,715 | 1756,041 | 1536,536 | 1365,810 | 1229,229 | 1117,481 | 1024,357 | 945,561 | 878,021 |
| 40К18 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2227,977 | 1909,695 | 1670,983 | 1485,318 | 1336,786 | 1215,260 | 1113,989 | 1028,297 | 954,847 |
| 40К19 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 2458,458 | 2107,249 | 1843,843 | 1638,972 | 1475,075 | 1340,977 | 1229,229 | 1134,673 | 1053,625 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 329,208 | 246,906 | 197,525 | 164,604 | 141,089 | 123,453 | 109,736 | 98,762 | 89,784 | 82,302 | 70,545 | 61,727 | 54,868 | 49,381 | 44,892 | 41,151 | 37,986 | 35,272 |
| 20С1 | Оп.реб. | 526,733 | 421,386 | 351,155 | 300,990 | 263,366 | 234,103 | 210,693 | 191,539 | 175,578 | 150,495 | 131,683 | 117,052 | 105,347 | 95,770 | 87,789 | 81,036 | 75,248 |
| 25С1 | Оп.реб. | Оп.реб. | 487,228 | 406,023 | 348,020 | 304,517 | 270,682 | 243,614 | 221,467 | 203,012 | 174,010 | 152,259 | 135,341 | 121,807 | 110,734 | 101,506 | 93,698 | 87,005 |
| 25С2 | Оп.реб. | Оп.реб. | 620,108 | 516,757 | 442,934 | 387,568 | 344,505 | 310,054 | 281,867 | 258,378 | 221,467 | 193,784 | 172,252 | 155,027 | 140,934 | 129,189 | 119,252 | 110,734 |
| 30С1 | Оп.реб. | Оп.реб. | Оп.реб. | 538,704 | 461,746 | 404,028 | 359,136 | 323,222 | 293,839 | 269,352 | 230,873 | 202,014 | 179,568 | 161,611 | 146,919 | 134,676 | 124,316 | 115,437 |
| 30С2 | Оп.реб. | Оп.реб. | Оп.реб. | 673,380 | 577,183 | 505,035 | 448,920 | 404,028 | 367,298 | 336,690 | 288,591 | 252,518 | 224,460 | 202,014 | 183,649 | 168,345 | 155,395 | 144,296 |
| 32С1 | Оп.реб. | Оп.реб. | Оп.реб. | 1116,026 | 956,594 | 837,019 | 744,017 | 669,615 | 608,741 | 558,013 | 478,297 | 418,510 | 372,009 | 334,808 | 304,371 | 279,006 | 257,544 | 239,148 |
| 32С2 | Оп.реб. | Оп.реб. | Оп.реб. | 1331,066 | 1140,914 | 998,300 | 887,378 | 798,640 | 726,036 | 665,533 | 570,457 | 499,150 | 443,689 | 399,320 | 363,018 | 332,767 | 307,169 | 285,229 |
| 35С1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 578,038 | 505,783 | 449,585 | 404,627 | 367,842 | 337,189 | 289,019 | 252,892 | 224,793 | 202,313 | 183,921 | 168,594 | 155,626 | 144,509 |
| 35С2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 711,431 | 622,502 | 553,335 | 498,002 | 452,729 | 415,002 | 355,716 | 311,251 | 276,668 | 249,001 | 226,365 | 207,501 | 191,539 | 177,858 |
| 35С3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 844,825 | 739,222 | 657,086 | 591,377 | 537,616 | 492,814 | 422,412 | 369,611 | 328,543 | 295,689 | 268,808 | 246,407 | 227,453 | 211,206 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



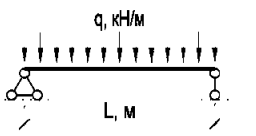
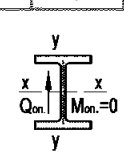



Таблица 6.4.4

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 40С1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 765,302 | 669,639 | 595,235 | 535,711 | 487,010 | 446,426 | 382,651 | 334,820 | 297,617 | 267,856 | 243,505 | 223,213 | 206,043 | 191,325 |
| 40С2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 918,362 | 803,567 | 714,282 | 642,853 | 584,412 | 535,711 | 459,181 | 401,783 | 357,141 | 321,427 | 292,206 | 267,856 | 247,251 | 229,591 |
| 40С3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1046,506 | 915,692 | 813,949 | 732,554 | 665,958 | 610,462 | 523,253 | 457,846 | 406,974 | 366,277 | 332,979 | 305,231 | 281,752 | 261,626 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | Оп.реб. | 275,128 | 220,102 | 183,419 | 157,216 | 137,564 | 122,279 | 110,051 | 100,047 | 91,709 | 78,608 | 68,782 | 61,140 | 55,026 | 50,023 | 45,855 | 42,327 | 39,304 |
| 20ДБ2 | Оп.реб. | 302,632 | 242,106 | 201,755 | 172,933 | 151,316 | 134,503 | 121,053 | 110,048 | 100,877 | 86,466 | 75,658 | 67,252 | 60,526 | 55,024 | 50,439 | 46,559 | 43,233 |
| 25ДБ1 | Оп.реб. | 349,858 | 279,887 | 233,239 | 199,919 | 174,929 | 155,493 | 139,943 | 127,221 | 116,619 | 99,960 | 87,465 | 77,746 | 69,972 | 63,611 | 58,310 | 53,824 | 49,980 |
| 25ДБ2 | Оп.реб. | Оп.реб. | 294,384 | 245,320 | 210,274 | 183,990 | 163,547 | 147,192 | 133,811 | 122,660 | 105,137 | 91,995 | 81,773 | 73,596 | 66,905 | 61,330 | 56,612 | 52,569 |
| 25ДБ3 | Оп.реб. | Оп.реб. | 337,013 | 280,844 | 240,724 | 210,633 | 187,230 | 168,507 | 153,188 | 140,422 | 120,362 | 105,317 | 93,615 | 84,253 | 76,594 | 70,211 | 64,810 | 60,181 |
| 25ДБ4 | Оп.реб. | 364,817 | 291,854 | 243,212 | 208,467 | 182,409 | 162,141 | 145,927 | 132,661 | 121,606 | 104,234 | 91,204 | 81,071 | 72,963 | 66,330 | 60,803 | 56,126 | 52,117 |
| 25ДБ5 | Оп.реб. | Оп.реб. | 315,513 | 262,927 | 225,366 | 197,196 | 175,285 | 157,756 | 143,415 | 131,464 | 112,683 | 98,598 | 87,642 | 78,878 | 71,707 | 65,732 | 60,676 | 56,342 |
| 25ДБ6 | Оп.реб. | Оп.реб. | 363,924 | 303,270 | 259,946 | 227,453 | 202,180 | 181,962 | 165,420 | 151,635 | 129,973 | 113,726 | 101,090 | 90,981 | 82,710 | 75,818 | 69,985 | 64,987 |
| 30ДБ1 | Оп.реб. | 435,752 | 348,601 | 290,501 | 249,001 | 217,876 | 193,667 | 174,301 | 158,455 | 145,251 | 124,500 | 108,938 | 96,834 | 87,150 | 79,228 | 72,625 | 67,039 | 62,250 |
| 30ДБ2 | Оп.реб. | 479,656 | 383,725 | 319,771 | 274,089 | 239,828 | 213,180 | 191,862 | 174,420 | 159,885 | 137,045 | 119,914 | 106,590 | 95,931 | 87,210 | 79,943 | 73,793 | 68,522 |
| 30ДБ3 | Оп.реб. | Оп.реб. | 336,287 | 280,239 | 240,205 | 210,179 | 186,826 | 168,143 | 152,858 | 140,120 | 120,102 | 105,090 | 93,413 | 84,072 | 76,429 | 70,060 | 64,671 | 60,051 |
| 30ДБ4 | Оп.реб. | Оп.реб. | 382,671 | 318,893 | 273,337 | 239,170 | 212,595 | 191,336 | 173,942 | 159,446 | 136,668 | 119,585 | 106,298 | 95,668 | 86,971 | 79,723 | 73,591 | 68,334 |
| 30ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 367,210 | 314,751 | 275,407 | 244,807 | 220,326 | 200,296 | 183,605 | 157,376 | 137,704 | 122,403 | 110,163 | 100,148 | 91,802 | 84,741 | 78,688 |
| 30ДБ6 | Оп.реб. | Оп.реб. | 338,306 | 281,922 | 241,647 | 211,441 | 187,948 | 169,153 | 153,776 | 140,961 | 120,824 | 105,721 | 93,974 | 84,577 | 76,888 | 70,480 | 65,059 | 60,412 |
| 30ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 315,704 | 270,603 | 236,778 | 210,469 | 189,422 | 172,202 | 157,852 | 135,302 | 118,389 | 105,235 | 94,711 | 86,101 | 78,926 | 72,855 | 67,651 |
| 30ДБ8 | Оп.реб. | Оп.реб. | 445,436 | 371,197 | 318,169 | 278,398 | 247,465 | 222,718 | 202,471 | 185,598 | 159,084 | 139,199 | 123,732 | 111,359 | 101,236 | 92,799 | 85,661 | 79,542 |
| 35ДБ1 | Оп.реб. | 480,245 | 384,196 | 320,163 | 274,426 | 240,122 | 213,442 | 192,098 | 174,634 | 160,082 | 137,213 | 120,061 | 106,721 | 96,049 | 87,317 | 80,041 | 73,884 | 68,606 |
| 35ДБ2 | Оп.реб. | Оп.реб. | 430,045 | 358,371 | 307,175 | 268,778 | 238,914 | 215,023 | 195,475 | 179,186 | 153,588 | 134,389 | 119,457 | 107,511 | 97,738 | 89,593 | 82,701 | 76,794 |
| 35ДБ3 | Оп.реб. | Оп.реб. | 457,611 | 381,343 | 326,865 | 286,007 | 254,228 | 228,806 | 208,005 | 190,671 | 163,433 | 143,003 | 127,114 | 114,403 | 104,003 | 95,336 | 88,002 | 81,716 |
| 35ДБ4 | Оп.реб. | Оп.реб. | 476,645 | 397,204 | 340,461 | 297,903 | 264,803 | 238,323 | 216,657 | 198,602 | 170,230 | 148,952 | 132,401 | 119,161 | 108,328 | 99,301 | 91,663 | 85,115 |
| 35ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 435,822 | 373,561 | 326,866 | 290,548 | 261,493 | 237,721 | 217,911 | 186,781 | 163,433 | 145,274 | 130,746 | 118,860 | 108,955 | 100,574 | 93,390 |
| 35ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 501,720 | 430,045 | 376,290 | 334,480 | 301,032 | 273,665 | 250,860 | 215,023 | 188,145 | 167,240 | 150,516 | 136,833 | 125,430 | 115,781 | 107,511 |
| 35ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 379,325 | 337,178 | 303,460 | 275,873 | 252,883 | 216,757 | 189,662 | 168,589 | 151,730 | 137,936 | 126,442 | 116,715 | 108,379 |
| 35ДБ8 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 419,516 | 372,903 | 335,613 | 305,102 | 279,677 | 239,723 | 209,758 | 186,451 | 167,806 | 152,551 | 139,839 | 129,082 | 119,862 |
| 35ДБ9 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 455,190 | 404,613 | 364,152 | 331,047 | 303,460 | 260,109 | 227,595 | 202,307 | 182,076 | 165,524 | 151,730 | 140,058 | 130,054 |
| 35ДБ10 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 506,055 | 449,826 | 404,844 | 368,040 | 337,370 | 289,174 | 253,027 | 224,913 | 202,422 | 184,020 | 168,685 | 155,709 | 144,587 |
| 40ДБ1 | Оп.реб. | Оп.реб. | 487,020 | 405,850 | 347,872 | 304,388 | 270,567 | 243,510 | 221,373 | 202,925 | 173,936 | 152,194 | 135,283 | 121,755 | 110,686 | 101,463 | 93,658 | 86,968 |
| 40ДБ2 | Оп.реб. | Оп.реб. | 531,561 | 442,968 | 379,687 | 332,226 | 295,312 | 265,781 | 241,619 | 221,484 | 189,843 | 166,113 | 147,656 | 132,890 | 120,809 | 110,742 | 102,223 | 94,922 |
| 40ДБ3 | Оп.реб. | Оп.реб. | 570,428 | 475,356 | 407,448 | 356,517 | 316,904 | 285,214 | 259,285 | 237,678 | 203,724 | 178,259 | 158,452 | 142,607 | 129,643 | 118,839 | 109,698 | 101,862 |
| 40ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | 488,289 | 418,533 | 366,216 | 325,526 | 292,973 | 266,339 | 244,144 | 209,267 | 183,108 | 162,763 | 146,487 | 133,170 | 122,072 | 112,682 | 104,633 |
| 40ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 557,752 | 478,073 | 418,314 | 371,834 | 334,651 | 304,228 | 278,876 | 239,036 | 209,157 | 185,917 | 167,325 | 152,114 | 139,438 | 128,712 | 119,518 |
| 40ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 614,472 | 526,690 | 460,854 | 409,648 | 368,683 | 335,166 | 307,236 | 263,345 | 230,427 | 204,824 | 184,342 | 167,583 | 153,618 | 141,801 | 131,673 |
| 40ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 689,764 | 591,226 | 517,323 | 459,843 | 413,858 | 376,235 | 344,882 | 295,613 | 258,661 | 229,921 | 206,929 | 188,117 | 172,441 | 159,176 | 147,807 |
| 45ДБ1 | Оп.реб. | Оп.реб. | 649,605 | 541,338 | 464,004 | 406,003 | 360,892 | 324,803 | 295,275 | 270,669 | 232,002 | 203,002 | 180,446 | 162,401 | 147,638 | 135,334 | 124,924 | 116,001 |
| 45ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 569,829 | 488,425 | 427,372 | 379,886 | 341,897 | 310,816 | 284,915 | 244,212 | 213,686 | 189,943 | 170,949 | 155,408 | 142,457 | 131,499 | 122,106 |
| 45ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | 647,878 | 555,324 | 485,909 | 431,919 | 388,727 | 353,388 | 323,939 | 277,662 | 242,954 | 215,959 | 194,363 | 176,694 | 161,970 | 149,510 | 138,831 |
| 45ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | 683,156 | 585,563 | 512,367 | 455,438 | 409,894 | 372,631 | 341,578 | 292,781 | 256,184 | 227,719 | 204,947 | 186,315 | 170,789 | 157,651 | 146,391 |
| 45ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | 747,552 | 640,758 | 560,664 | 498,368 | 448,531 | 407,755 | 373,776 | 320,379 | 280,332 | 249,184 | 224,265 | 203,878 | 186,888 | 172,512 | 160,190 |
| 45ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | 604,313 | 517,982 | 453,235 | 402,875 | 362,588 | 329,625 | 302,156 | 258,991 | 226,617 | 201,438 | 181,294 | 164,813 | 151,078 | 139,457 | 129,496 |
| 45ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | 640,459 | 548,965 | 480,344 | 426,973 | 384,276 | 349,341 | 320,230 | 274,483 | 240,172 | 213,486 | 192,138 | 174,671 | 160,115 | 147,798 | 137,241 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



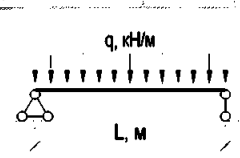
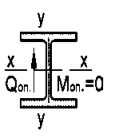



Таблица 6.4.4

| С440Б | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $Q_{max}$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Профиль | 1,5 | 2,0 | 2,5 | 3,0 | 3,5 | 4,0 | 4,5 | 5,0 | 5,5 | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | 13,0 | 14,0 |
| 45ДБ8 | Оп.реб. | Оп.реб. | Оп.реб. | 704,505 | 603,862 | 528,379 | 469,670 | 422,703 | 384,276 | 352,253 | 301,931 | 264,189 | 234,835 | 211,352 | 192,138 | 176,126 | 162,578 | 150,965 |
| 45ДБ9 | Оп.реб. | Оп.реб. | Оп.реб. | 746,504 | 639,861 | 559,878 | 497,669 | 447,902 | 407,184 | 373,252 | 319,930 | 279,939 | 248,835 | 223,951 | 203,592 | 186,626 | 172,270 | 159,965 |
| 45ДБ10 | Оп.реб. | Оп.реб. | Оп.реб. | 811,248 | 695,356 | 608,436 | 540,832 | 486,749 | 442,499 | 405,624 | 347,678 | 304,218 | 270,416 | 243,374 | 221,250 | 202,812 | 187,211 | 173,839 |
| 45ДБ11 | Оп.реб. | Оп.реб. | Оп.реб. | 875,381 | 750,327 | 656,536 | 583,588 | 525,229 | 477,481 | 437,691 | 375,163 | 328,268 | 291,794 | 262,614 | 238,740 | 218,845 | 202,011 | 187,582 |
| 53ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 729,439 | 638,259 | 567,342 | 510,608 | 464,189 | 425,506 | 364,720 | 319,130 | 283,671 | 255,304 | 232,094 | 212,753 | 196,388 | 182,360 |
| 53ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 780,120 | 682,605 | 606,760 | 546,084 | 496,440 | 455,070 | 390,060 | 341,303 | 303,380 | 273,042 | 248,220 | 227,535 | 210,032 | 195,030 |
| 53ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 828,897 | 725,285 | 644,698 | 580,228 | 527,480 | 483,523 | 414,449 | 362,643 | 322,349 | 290,114 | 263,740 | 241,762 | 223,165 | 207,224 |
| 53ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 914,678 | 800,343 | 711,416 | 640,274 | 582,068 | 533,562 | 457,339 | 400,171 | 355,708 | 320,137 | 291,034 | 266,781 | 246,259 | 228,669 |
| 53ДБ7 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 1026,803 | 898,453 | 798,625 | 718,762 | 653,420 | 598,969 | 513,402 | 449,226 | 399,312 | 359,381 | 326,710 | 299,484 | 276,447 | 256,701 |
| 60ДБ1 | Оп.реб. | Оп.реб. | Оп.реб. | 953,373 | 817,177 | 715,030 | 635,582 | 572,024 | 520,022 | 476,687 | 408,588 | 357,515 | 317,791 | 286,012 | 260,011 | 238,343 | 220,009 | 204,294 |
| 60ДБ2 | Оп.реб. | Оп.реб. | Оп.реб. | 1038,452 | 890,101 | 778,839 | 692,301 | 623,071 | 566,428 | 519,226 | 445,051 | 389,419 | 346,151 | 311,536 | 283,214 | 259,613 | 239,643 | 222,525 |
| 60ДБ3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 857,736 | 750,519 | 667,128 | 600,416 | 545,832 | 500,346 | 428,868 | 375,260 | 333,564 | 300,208 | 272,916 | 250,173 | 230,929 | 214,434 |
| 60ДБ4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 915,238 | 800,833 | 711,852 | 640,667 | 582,424 | 533,889 | 457,619 | 400,417 | 355,926 | 320,333 | 291,212 | 266,944 | 246,410 | 228,810 |
| 60ДБ5 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 849,995 | 755,551 | 679,996 | 618,178 | 566,663 | 485,711 | 424,998 | 377,776 | 339,998 | 309,089 | 283,332 | 261,537 | 242,856 |
| 60ДБ6 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 913,629 | 812,115 | 730,903 | 664,458 | 609,086 | 522,074 | 456,815 | 406,057 | 365,452 | 332,229 | 304,543 | 281,117 | 261,037 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 133,013 | 99,760 | 79,808 | 66,507 | 57,006 | 49,880 | 44,338 | 39,904 | 36,276 | 33,253 | 28,503 | 24,940 | 22,169 | 19,952 | 18,138 | 16,627 | 15,348 | 14,251 |
| 10ДК2 | 159,616 | 119,712 | 95,770 | 79,808 | 68,407 | 59,856 | 53,205 | 47,885 | 43,532 | 39,904 | 34,203 | 29,928 | 26,603 | 23,942 | 21,766 | 19,952 | 18,417 | 17,102 |
| 10ДК3 | 319,232 | 239,424 | 191,539 | 159,616 | 136,814 | 119,712 | 106,411 | 95,770 | 87,063 | 79,808 | 68,407 | 59,856 | 53,205 | 47,885 | 43,532 | 39,904 | 36,834 | 34,203 |
| 12ДК1 | Оп.реб. | 122,206 | 97,765 | 81,471 | 69,832 | 61,103 | 54,314 | 48,882 | 44,439 | 40,735 | 34,916 | 30,552 | 27,157 | 24,441 | 22,219 | 20,368 | 18,801 | 17,458 |
| 12ДК2 | Оп.реб. | 158,868 | 127,094 | 105,912 | 90,782 | 79,434 | 70,608 | 63,547 | 57,770 | 52,956 | 45,391 | 39,717 | 35,304 | 31,774 | 28,885 | 26,478 | 24,441 | 22,695 |
| 12ДК3 | Оп.реб. | 298,410 | 238,728 | 198,940 | 170,520 | 149,205 | 132,627 | 119,364 | 108,513 | 99,470 | 85,260 | 74,603 | 66,313 | 59,682 | 54,256 | 49,735 | 45,909 | 42,630 |
| 14ДК1 | Оп.реб. | 159,117 | 127,294 | 106,078 | 90,924 | 79,559 | 70,719 | 63,647 | 57,861 | 53,039 | 45,462 | 39,779 | 35,359 | 31,823 | 28,930 | 26,520 | 24,480 | 22,731 |
| 14ДК2 | Оп.реб. | 202,513 | 162,010 | 135,009 | 115,722 | 101,256 | 90,006 | 81,005 | 73,641 | 67,504 | 57,861 | 50,628 | 45,003 | 40,503 | 36,821 | 33,752 | 31,156 | 28,930 |
| 14ДК3 | Оп.реб. | 367,349 | 293,879 | 244,899 | 209,914 | 183,674 | 163,266 | 146,940 | 133,581 | 122,450 | 104,957 | 91,837 | 81,633 | 73,470 | 66,791 | 61,225 | 56,515 | 52,478 |
| 15ДК1 | 267,703 | 200,777 | 160,622 | 133,851 | 114,730 | 100,388 | 89,234 | 80,311 | 73,010 | 66,926 | 57,365 | 50,194 | 44,617 | 40,155 | 36,505 | 33,463 | 30,889 | 28,682 |
| 15ДК2 | Оп.реб. | 227,812 | 182,250 | 151,875 | 130,178 | 113,906 | 101,250 | 91,125 | 82,841 | 75,937 | 65,089 | 56,953 | 50,625 | 45,562 | 41,420 | 37,969 | 35,048 | 32,545 |
| 15ДК3 | Оп.реб. | 280,395 | 224,316 | 186,930 | 160,226 | 140,198 | 124,620 | 112,158 | 101,962 | 93,465 | 80,113 | 70,099 | 62,310 | 56,079 | 50,981 | 46,733 | 43,138 | 40,056 |
| 16ДК1 | Оп.реб. | 200,518 | 160,414 | 133,678 | 114,581 | 100,259 | 89,119 | 80,207 | 72,915 | 66,839 | 57,291 | 50,129 | 44,559 | 40,104 | 36,458 | 33,420 | 30,849 | 28,645 |
| 16ДК2 | Оп.реб. | Оп.реб. | 213,885 | 178,238 | 152,775 | 133,678 | 118,825 | 106,943 | 97,221 | 89,119 | 76,388 | 66,839 | 59,413 | 53,471 | 48,610 | 44,559 | 41,132 | 38,194 |
| 16ДК3 | Оп.реб. | Оп.реб. | 365,595 | 304,662 | 261,139 | 228,497 | 203,108 | 182,797 | 166,179 | 152,331 | 130,570 | 114,248 | 101,554 | 91,399 | 83,090 | 76,166 | 70,307 | 65,285 |
| 18ДК1 | Оп.реб. | Оп.реб. | 181,962 | 151,635 | 129,973 | 113,726 | 101,090 | 90,981 | 82,710 | 75,818 | 64,987 | 56,863 | 50,545 | 45,491 | 41,355 | 37,909 | 34,993 | 32,493 |
| 18ДК2 | Оп.реб. | Оп.реб. | 251,714 | 209,762 | 179,796 | 157,322 | 139,841 | 125,857 | 114,416 | 104,881 | 89,898 | 78,661 | 69,921 | 62,929 | 57,208 | 52,441 | 48,407 | 44,949 |
| 18ДК3 | Оп.реб. | Оп.реб. | 429,516 | 357,930 | 306,797 | 268,447 | 238,620 | 214,758 | 195,234 | 178,965 | 153,398 | 134,224 | 119,310 | 107,379 | 97,617 | 89,482 | 82,599 | 76,699 |
| 20ДК1 | Оп.реб. | Оп.реб. | 260,014 | 216,679 | 185,725 | 162,509 | 144,452 | 130,007 | 118,188 | 108,339 | 92,862 | 81,255 | 72,226 | 65,004 | 59,094 | 54,170 | 50,003 | 46,431 |
| 20ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | 237,482 | 203,556 | 178,112 | 158,321 | 142,489 | 129,536 | 118,741 | 101,778 | 89,056 | 79,161 | 71,245 | 64,768 | 59,371 | 54,804 | 50,889 |
| 20ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | 274,766 | 235,513 | 206,074 | 183,177 | 164,859 | 149,872 | 137,383 | 117,757 | 103,037 | 91,589 | 82,430 | 74,936 | 68,691 | 63,407 | 58,878 |
| 20ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | 307,301 | 263,401 | 230,476 | 204,867 | 184,380 | 167,619 | 153,650 | 131,700 | 115,238 | 102,434 | 92,190 | 83,809 | 76,825 | 70,916 | 65,850 |
| 20ДК5 | Оп.реб. | Оп.реб. | Оп.реб. | 381,705 | 327,176 | 286,279 | 254,470 | 229,023 | 208,203 | 190,852 | 163,588 | 143,139 | 127,235 | 114,511 | 104,101 | 95,426 | 88,086 | 81,794 |
| 20ДК6 | Оп.реб. | Оп.реб. | Оп.реб. | 427,632 | 366,541 | 320,724 | 285,088 | 256,579 | 233,254 | 213,816 | 183,271 | 160,362 | 142,544 | 128,290 | 116,627 | 106,908 | 98,684 | 91,635 |
| 25ДК1 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 275,275 | 240,866 | 214,103 | 192,692 | 175,175 | 160,577 | 137,637 | 120,433 | 107,051 | 96,346 | 87,587 | 80,289 | 74,112 | 68,819 |
| 25ДК2 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 301,150 | 263,506 | 234,228 | 210,805 | 191,641 | 175,671 | 150,575 | 131,753 | 117,114 | 105,402 | 95,820 | 87,835 | 81,079 | 75,287 |
| 25ДК3 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 343,713 | 300,749 | 267,332 | 240,599 | 218,727 | 200,499 | 171,857 | 150,374 | 133,666 | 120,300 | 109,363 | 100,250 | 92,538 | 85,928 |
| 25ДК4 | Оп.реб. | Оп.реб. | Оп.реб. | Оп.реб. | 381,243 | 333,587 | 296,522 | 266,870 | 242,609 | 222,392 | 190,621 | 166,794 | 148,261 | 133,435 | 121,305 | 111,196 | 102,642 | 95,311 |

Примечание:

- Описание таблицы приведено в п. 6.4.8 руководства
- «Оп.реб.» отмечены элементы для которых требуется укрепление опорной части ребром
- Промежуточные значения допустимо определять линейной интерполяцией



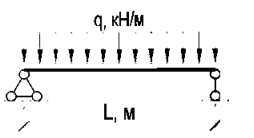
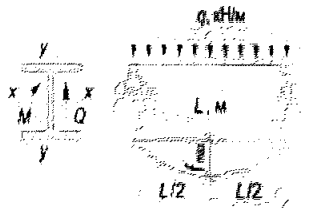



**ТАБЛИЦА 6.4.5 –** Предельная нормативная равномерно распределённая нагрузка ( *q* ) на балку по максимальному прогибу в середине пролёта $f_{max}=f_u$ при расчётах по деформациям шарнирно опёртых балок 2-го класса (с учетом развития пластических деформаций), при изгибе в плоскости с наибольшей жёсткостью *y-y*. Настоящая таблица действительна для сечений любой стали по ГОСТ 27772




| Про-филь | Значения предельной *q*, кН/м при пролёте *L*, м в плоскости с большей жёсткостью *y-y*, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| | **Тип Б - Балочные нормальные двутавры** | | | | | | | | | | | | | | | | | |
| 10Б1 | 62.873 | 25.051 | 12.151 | 6.680 | 3.985 | 2.536 | 1.697 | 1.181 | 0.848 | 0.626 | 0.379 | 0.244 | 0.165 | 0.116 | 0.084 | 0.063 | 0.048 | 0.038 |
| 12Б1 | 94.621 | 37.700 | 18.287 | 10.053 | 5.998 | 3.817 | 2.553 | 1.777 | 1.277 | 0.943 | 0.570 | 0.367 | 0.248 | 0.174 | 0.127 | 0.094 | 0.073 | 0.057 |
| 12Б2 | 116.823 | 46.547 | 22.578 | 12.412 | 7.405 | 4.713 | 3.152 | 2.194 | 1.576 | 1.164 | 0.703 | 0.453 | 0.306 | 0.215 | 0.156 | 0.116 | 0.090 | 0.071 |
| 14Б1 | 159.880 | 63.702 | 30.899 | 16.987 | 10.134 | 6.450 | 4.314 | 3.002 | 2.157 | 1.593 | 0.963 | 0.620 | 0.419 | 0.295 | 0.214 | 0.159 | 0.123 | 0.097 |
| 14Б2 | 198.984 | 79.283 | 38.456 | 21.142 | 12.613 | 8.027 | 5.369 | 3.736 | 2.685 | 1.982 | 1.198 | 0.772 | 0.522 | 0.367 | 0.266 | 0.198 | 0.153 | 0.121 |
| 16Б1 | 253.420 | 100.972 | 48.977 | 26.926 | 16.064 | 10.223 | 6.838 | 4.759 | 3.420 | 2.524 | 1.526 | 0.983 | 0.665 | 0.467 | 0.339 | 0.252 | 0.195 | 0.154 |
| 16Б2 | 319.602 | 127.341 | 61.767 | 33.958 | 20.259 | 12.893 | 8.624 | 6.001 | 4.313 | 3.184 | 1.925 | 1.240 | 0.838 | 0.589 | 0.428 | 0.318 | 0.246 | 0.194 |
| 18Б1 | 390.725 | 155.680 | 75.513 | 41.515 | 24.767 | 15.763 | 10.543 | 7.337 | 5.273 | 3.892 | 2.353 | 1.516 | 1.025 | 0.721 | 0.523 | 0.389 | 0.301 | 0.237 |
| 18Б2 | 484.191 | 192.920 | 93.576 | 51.445 | 30.692 | 19.533 | 13.065 | 9.092 | 6.534 | 4.823 | 2.916 | 1.878 | 1.270 | 0.893 | 0.648 | 0.482 | 0.373 | 0.294 |
| 20Б0 | 581.474 | 231.681 | 112.377 | 61.782 | 36.858 | 23.458 | 15.691 | 10.918 | 7.847 | 5.792 | 3.502 | 2.256 | 1.525 | 1.072 | 0.778 | 0.579 | 0.448 | 0.353 |
| 20Б1 | 678.058 | 270.164 | 131.044 | 72.044 | 42.981 | 27.354 | 18.297 | 12.732 | 9.150 | 6.754 | 4.083 | 2.630 | 1.779 | 1.250 | 0.907 | 0.675 | 0.523 | 0.412 |
| 20Б2 | 815.646 | 324.984 | 157.634 | 86.662 | 51.702 | 32.905 | 22.010 | 15.316 | 11.007 | 8.125 | 4.912 | 3.164 | 2.140 | 1.504 | 1.091 | 0.812 | 0.629 | 0.495 |
| 20Б3 | 1048.790 | 417.877 | 202.692 | 111.434 | 66.481 | 42.310 | 28.301 | 19.693 | 14.153 | 10.447 | 6.316 | 4.068 | 2.751 | 1.934 | 1.403 | 1.045 | 0.808 | 0.637 |
| 25Б1 | 1300.448 | 518.147 | 251.329 | 138.173 | 82.433 | 52.462 | 35.091 | 24.419 | 17.549 | 12.954 | 7.831 | 5.044 | 3.412 | 2.398 | 1.740 | 1.295 | 1.002 | 0.789 |
| 25Б2 | 1489.653 | 593.533 | 287.895 | 158.276 | 94.426 | 60.095 | 40.197 | 27.972 | 20.102 | 14.838 | 8.970 | 5.778 | 3.908 | 2.747 | 1.993 | 1.484 | 1.148 | 0.904 |
| 25Б3 | 1925.853 | 767.332 | 372.197 | 204.622 | 122.076 | 77.692 | 51.967 | 36.162 | 25.988 | 19.183 | 11.597 | 7.470 | 5.052 | 3.552 | 2.576 | 1.918 | 1.484 | 1.169 |
| 25Б4 | 2382.798 | 949.396 | 460.507 | 253.172 | 151.041 | 96.126 | 64.298 | 44.742 | 32.154 | 23.735 | 14.349 | 9.243 | 6.251 | 4.394 | 3.188 | 2.373 | 1.836 | 1.446 |
| 30Б1 | 2322.947 | 925.549 | 448.940 | 246.813 | 147.247 | 93.712 | 62.683 | 43.619 | 31.346 | 23.139 | 13.988 | 9.011 | 6.094 | 4.284 | 3.108 | 2.314 | 1.790 | 1.410 |
| 30Б2 | 2650.545 | 1056.076 | 512.253 | 281.620 | 168.013 | 106.928 | 71.523 | 49.770 | 35.767 | 26.402 | 15.961 | 10.282 | 6.954 | 4.888 | 3.546 | 2.640 | 2.043 | 1.609 |
| 30Б3 | 3402.653 | 1355.744 | 657.607 | 361.532 | 215.688 | 137.269 | 91.818 | 63.893 | 45.916 | 33.894 | 20.490 | 13.199 | 8.927 | 6.275 | 4.552 | 3.389 | 2.622 | 2.066 |
| 30Б4 | 4184.471 | 1667.250 | 808.704 | 444.600 | 265.245 | 168.809 | 112.914 | 78.573 | 56.466 | 41.681 | 25.198 | 16.232 | 10.978 | 7.717 | 5.598 | 4.168 | 3.225 | 2.540 |
| 35Б1 | 4078.982 | 1625.220 | 788.317 | 433.392 | 258.559 | 164.553 | 110.068 | 76.592 | 55.043 | 40.630 | 24.563 | 15.822 | 10.701 | 7.522 | 5.457 | 4.063 | 3.143 | 2.476 |
| 35Б2 | 4985.084 | 1986.244 | 963.433 | 529.665 | 315.995 | 201.107 | 134.518 | 93.606 | 67.270 | 49.656 | 30.020 | 19.337 | 13.078 | 9.193 | 6.669 | 4.966 | 3.842 | 3.026 |
| 35Б3 | 6175.565 | 2460.577 | 1193.509 | 656.154 | 391.457 | 249.133 | 166.642 | 115.960 | 83.335 | 61.514 | 37.188 | 23.955 | 16.201 | 11.389 | 8.262 | 6.151 | 4.759 | 3.749 |
| 35Б4 | 7617.775 | 3035.207 | 1472.235 | 809.389 | 482.876 | 307.315 | 205.559 | 143.041 | 102.796 | 75.880 | 45.873 | 29.549 | 19.985 | 14.049 | 10.191 | 7.588 | 5.870 | 4.624 |
| 40Б1 | 7360.091 | 2932.536 | 1422.434 | 782.010 | 466.542 | 296.919 | 198.606 | 138.202 | 99.319 | 73.313 | 44.321 | 28.550 | 19.309 | 13.573 | 9.846 | 7.331 | 5.672 | 4.468 |
| 40Б2 | 8715.133 | 3472.436 | 1684.314 | 925.983 | 552.435 | 351.584 | 235.170 | 163.646 | 117.604 | 86.811 | 52.481 | 33.806 | 22.864 | 16.072 | 11.659 | 8.681 | 6.716 | 5.290 |
| 40Б3 | 10791.678 | 4299.809 | 2085.634 | 1146.616 | 684.064 | 435.356 | 291.204 | 202.638 | 145.626 | 107.495 | 64.986 | 41.861 | 28.312 | 19.902 | 14.437 | 10.750 | 8.316 | 6.551 |
| 40Б4 | 12940.410 | 5155.945 | 2500.904 | 1374.919 | 820.267 | 522.039 | 349.186 | 242.986 | 174.621 | 128.899 | 77.925 | 50.196 | 33.949 | 23.865 | 17.312 | 12.890 | 9.972 | 7.855 |
| 45Б1 | 10550.821 | 4203.843 | 2039.085 | 1121.025 | 668.796 | 425.639 | 284.705 | 198.116 | 142.376 | 105.096 | 63.536 | 40.927 | 27.680 | 19.458 | 14.115 | 10.510 | 8.131 | 6.405 |
| 45Б2 | 12298.452 | 4900.165 | 2376.838 | 1306.711 | 779.575 | 496.142 | 331.863 | 230.931 | 165.959 | 122.504 | 74.060 | 47.706 | 32.264 | 22.681 | 16.453 | 12.250 | 9.477 | 7.466 |
| 45Б3 | 14967.524 | 5963.623 | 2892.671 | 1590.299 | 948.762 | 603.817 | 403.886 | 281.049 | 201.976 | 149.091 | 90.132 | 58.059 | 39.267 | 27.603 | 20.023 | 14.909 | 11.534 | 9.086 |
| 45Б4 | 17720.186 | 7060.387 | 3424.659 | 1882.770 | 1123.248 | 714.864 | 478.164 | 332.737 | 239.121 | 176.510 | 106.709 | 68.737 | 46.488 | 32.680 | 23.706 | 17.651 | 13.655 | 10.757 |
| 50Б1 | 13545.234 | 5396.929 | 2617.795 | 1439.181 | 858.606 | 546.439 | 365.506 | 254.343 | 182.783 | 134.923 | 81.568 | 52.542 | 35.535 | 24.980 | 18.121 | 13.492 | 10.438 | 8.223 |
| 50Б2 | 15393.518 | 6133.355 | 2975.000 | 1635.561 | 975.765 | 621.002 | 415.381 | 289.048 | 207.724 | 153.334 | 92.698 | 59.712 | 40.384 | 28.389 | 20.593 | 15.333 | 11.862 | 9.345 |
| 50Б3 | 17591.005 | 7008.916 | 3399.693 | 1869.044 | 1115.060 | 709.653 | 474.678 | 330.311 | 237.378 | 175.223 | 105.931 | 68.236 | 46.149 | 32.441 | 23.533 | 17.522 | 13.556 | 10.678 |
| 50Б4 | 22042.433 | 8782.532 | 4259.990 | 2342.008 | 1397.227 | 889.231 | 594.796 | 413.897 | 297.446 | 219.563 | 132.737 | 85.503 | 57.827 | 40.651 | 29.488 | 21.956 | 16.986 | 13.381 |
| 50Б5 | 26966.004 | 10744.267 | 5211.535 | 2865.138 | 1709.323 | 1087.857 | 727.654 | 506.348 | 363.886 | 268.607 | 162.386 | 104.602 | 70.744 | 49.731 | 36.075 | 26.861 | 20.780 | 16.370 |
| 55Б1 | 20470.274 | 8156.125 | 3956.150 | 2174.967 | 1297.571 | 825.808 | 552.372 | 384.376 | 276.231 | 203.903 | 123.269 | 79.405 | 53.703 | 37.751 | 27.385 | 20.390 | 15.775 | 12.426 |
| 55Б2 | 23083.233 | 9197.226 | 4461.139 | 2452.594 | 1463.201 | 931.219 | 622.881 | 433.440 | 311.491 | 229.931 | 139.004 | 89.540 | 60.558 | 42.570 | 30.881 | 22.993 | 17.788 | 14.013 |
| 55Б3 | 27692.482 | 11033.723 | 5351.937 | 2942.326 | 1755.373 | 1117.164 | 747.257 | 519.989 | 373.690 | 275.843 | 166.760 | 107.420 | 72.650 | 51.070 | 37.047 | 27.584 | 21.340 | 16.811 |
| 55Б4 | 33055.103 | 13170.393 | 6388.334 | 3512.105 | 2095.299 | 1333.502 | 891.963 | 620.685 | 446.054 | 329.260 | 199.053 | 128.221 | 86.719 | 60.960 | 44.221 | 32.926 | 25.473 | 20.066 |
| 60Б1 | 25263.984 | 10066.119 | 4882.597 | 2684.298 | 1601.435 | 1019.195 | 681.727 | 474.389 | 340.919 | 251.653 | 152.136 | 97.999 | 66.279 | 46.592 | 33.798 | 25.165 | 19.469 | 15.336 |
| 60Б2 | 28542.152 | 11372.264 | 5516.146 | 3032.604 | 1809.232 | 1151.442 | 770.185 | 535.944 | 385.155 | 284.307 | 171.877 | 110.716 | 74.879 | 52.637 | 38.184 | 28.431 | 21.995 | 17.326 |
| 60Б3 | 32159.859 | 12813.694 | 6215.316 | 3416.985 | 2038.551 | 1297.386 | 867.806 | 603.874 | 433.974 | 320.342 | 193.662 | 124.749 | 84.370 | 59.309 | 43.023 | 32.034 | 24.783 | 19.522 |

Примечание:

- Описание таблицы приведено в п. 6.4.9 руководства
- Настоящая таблица действительна для сечений любой стали по ГОСТ 27772
- Промежуточные значения допустимо определять линейной интерполяцией

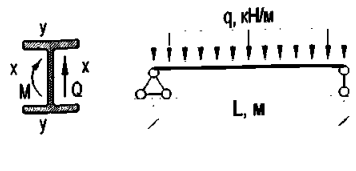


Таблица 6.4.5

| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 60Б4 | 39159.118 | 15602.461 | 7568.015 | 4160.656 | 2482.221 | 1579.749 | 1056.675 | 735.301 | 528.424 | 390.062 | 235.811 | 151.899 | 102.732 | 72.217 | 52.387 | 39.006 | 30.176 | 23.771 |
| 70Б1 | 46296.360 | 18446.206 | 8947.381 | 4918.988 | 2934.637 | 1867.678 | 1249.267 | 869.319 | 624.735 | 461.155 | 278.790 | 179.584 | 121.457 | 85.380 | 61.935 | 46.116 | 35.676 | 28.104 |
| 70Б2 | 54083.262 | 21548.800 | 10452.302 | 5746.347 | 3428.233 | 2181.816 | 1459.390 | 1015.536 | 729.814 | 538.720 | 325.682 | 209.790 | 141.885 | 99.740 | 72.352 | 53.872 | 41.677 | 32.831 |
| 70Б3 | 61430.227 | 24476.106 | 11872.200 | 6526.962 | 3893.943 | 2478.206 | 1657.641 | 1153.492 | 828.956 | 611.903 | 369.925 | 238.289 | 161.160 | 113.289 | 82.181 | 61.190 | 47.339 | 37.291 |
| 70Б4 | 73414.027 | 29250.901 | 14188.227 | 7800.240 | 4653.573 | 2961.654 | 1981.013 | 1378.515 | 990.668 | 731.273 | 442.089 | 284.774 | 192.599 | 135.390 | 98.213 | 73.127 | 56.574 | 44.565 |
| | Тип Ш - Балочные широкополочные двутавры | | | | | | | | | | | | | | | | | |
| 20Ш0 | 764.582 | 304.638 | 147.766 | 81.237 | 48.465 | 30.845 | 20.632 | 14.357 | 10.317 | 7.616 | 4.604 | 2.966 | 2.006 | 1.410 | 1.023 | 0.762 | 0.589 | 0.464 |
| 20Ш1 | 988.905 | 394.017 | 191.119 | 105.071 | 62.685 | 39.894 | 26.685 | 18.569 | 13.345 | 9.850 | 5.955 | 3.836 | 2.594 | 1.824 | 1.323 | 0.985 | 0.762 | 0.600 |
| 20Ш2 | 1287.591 | 513.025 | 248.844 | 136.807 | 81.618 | 51.944 | 34.745 | 24.177 | 17.375 | 12.826 | 7.754 | 4.995 | 3.378 | 2.375 | 1.723 | 1.283 | 0.992 | 0.782 |
| 20Ш3 | 1603.730 | 638.986 | 309.942 | 170.396 | 101.657 | 64.697 | 43.275 | 30.114 | 21.641 | 15.975 | 9.657 | 6.221 | 4.207 | 2.958 | 2.145 | 1.597 | 1.236 | 0.974 |
| 20Ш4 | 2094.487 | 834.522 | 404.787 | 222.539 | 132.765 | 84.495 | 56.518 | 39.329 | 28.264 | 20.863 | 12.613 | 8.125 | 5.495 | 3.863 | 2.802 | 2.086 | 1.614 | 1.271 |
| 20Ш5 | 2616.860 | 1042.655 | 505.743 | 278.041 | 165.878 | 105.569 | 70.614 | 49.137 | 35.313 | 26.066 | 15.758 | 10.151 | 6.865 | 4.826 | 3.501 | 2.607 | 2.017 | 1.589 |
| 20Ш6 | 3423.929 | 1364.222 | 661.719 | 363.792 | 217.036 | 138.127 | 92.392 | 64.292 | 46.203 | 34.106 | 20.618 | 13.281 | 8.983 | 6.314 | 4.581 | 3.411 | 2.639 | 2.078 |
| 25Ш0 | 1831.354 | 729.680 | 353.933 | 194.581 | 116.086 | 73.880 | 49.417 | 34.388 | 24.713 | 18.242 | 11.028 | 7.104 | 4.804 | 3.377 | 2.450 | 1.824 | 1.411 | 1.112 |
| 25Ш1 | 2250.522 | 896.692 | 434.943 | 239.118 | 142.656 | 90.790 | 60.728 | 42.259 | 30.369 | 22.417 | 13.552 | 8.730 | 5.904 | 4.150 | 3.011 | 2.242 | 1.734 | 1.366 |
| 25Ш2 | 2803.281 | 1116.932 | 541.771 | 297.849 | 177.695 | 113.089 | 75.644 | 52.638 | 37.828 | 27.923 | 16.881 | 10.874 | 7.354 | 5.170 | 3.750 | 2.792 | 2.160 | 1.702 |
| 25Ш3 | 3610.218 | 1438.446 | 697.722 | 383.586 | 228.845 | 145.643 | 97.419 | 67.790 | 48.717 | 35.961 | 21.740 | 14.004 | 9.471 | 6.658 | 4.830 | 3.596 | 2.782 | 2.192 |
| 25Ш4 | 4688.174 | 1867.944 | 906.051 | 498.118 | 297.174 | 189.129 | 126.506 | 88.031 | 63.263 | 46.699 | 28.232 | 18.186 | 12.299 | 8.646 | 6.272 | 4.670 | 3.613 | 2.846 |
| 25Ш5 | 6058.371 | 2413.882 | 1170.860 | 643.702 | 384.028 | 244.406 | 163.480 | 113.760 | 81.753 | 60.347 | 36.483 | 23.501 | 15.894 | 11.173 | 8.105 | 6.035 | 4.669 | 3.678 |
| 25Ш6 | 7826.594 | 3118.409 | 1512.592 | 831.576 | 496.113 | 315.739 | 211.194 | 146.962 | 105.614 | 77.960 | 47.131 | 30.360 | 20.533 | 14.434 | 10.470 | 7.796 | 6.031 | 4.751 |
| 30Ш0 | 3466.927 | 1381.354 | 670.029 | 368.361 | 219.762 | 139.862 | 93.552 | 65.099 | 46.784 | 34.534 | 20.877 | 13.448 | 9.095 | 6.394 | 4.638 | 3.453 | 2.672 | 2.105 |
| 30Ш1 | 4168.621 | 1660.935 | 805.641 | 442.916 | 264.241 | 168.170 | 112.487 | 78.275 | 56.252 | 41.523 | 25.103 | 16.170 | 10.936 | 7.688 | 5.577 | 4.152 | 3.212 | 2.531 |
| 30Ш2 | 5224.301 | 2081.557 | 1009.665 | 555.082 | 331.158 | 210.758 | 140.973 | 98.098 | 70.498 | 52.039 | 31.460 | 20.265 | 13.706 | 9.635 | 6.989 | 5.204 | 4.026 | 3.171 |
| 30Ш3 | 6417.598 | 2557.012 | 1240.285 | 681.870 | 406.799 | 258.897 | 173.173 | 120.505 | 86.601 | 63.925 | 38.646 | 24.894 | 16.836 | 11.835 | 8.585 | 6.393 | 4.945 | 3.896 |
| 30Ш4 | 8076.411 | 3217.945 | 1560.873 | 858.119 | 511.948 | 325.817 | 217.935 | 151.653 | 108.985 | 80.449 | 48.635 | 31.329 | 21.188 | 14.894 | 10.805 | 8.045 | 6.224 | 4.903 |
| 30Ш5 | 10675.947 | 4253.697 | 2063.267 | 1134.319 | 676.728 | 430.687 | 288.081 | 200.465 | 144.064 | 106.342 | 64.289 | 41.412 | 28.008 | 19.689 | 14.282 | 10.634 | 8.227 | 6.481 |
| 30Ш6 | 14454.732 | 5759.307 | 2793.567 | 1535.815 | 916.257 | 583.130 | 390.048 | 271.420 | 195.056 | 143.983 | 87.044 | 56.070 | 37.921 | 26.657 | 19.337 | 14.398 | 11.139 | 8.775 |

| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 35Ш1 | 6289.550 | 2505.993 | 1215.538 | 668.265 | 398.682 | 253.732 | 169.718 | 118.101 | 84.873 | 62.650 | 37.875 | 24.397 | 16.500 | 11.599 | 8.414 | 6.265 | 4.847 | 3.818 |
| 35Ш2 | 7969.547 | 3175.366 | 1540.220 | 846.764 | 505.174 | 321.506 | 215.051 | 149.646 | 107.543 | 79.384 | 47.992 | 30.914 | 20.908 | 14.697 | 10.662 | 7.938 | 6.141 | 4.838 |
| 35Ш3 | 10123.551 | 4033.602 | 1956.509 | 1075.627 | 641.712 | 408.402 | 273.175 | 190.093 | 136.610 | 100.840 | 60.963 | 39.269 | 26.559 | 18.670 | 13.543 | 10.084 | 7.801 | 6.145 |
| 35Ш4 | 12387.312 | 4935.570 | 2394.011 | 1316.152 | 785.208 | 499.726 | 334.261 | 232.600 | 167.158 | 123.389 | 74.595 | 48.051 | 32.498 | 22.845 | 16.572 | 12.339 | 9.546 | 7.520 |
| 35Ш5 | 15894.402 | 6332.926 | 3071.802 | 1688.780 | 1007.515 | 641.209 | 428.897 | 298.454 | 214.483 | 158.323 | 95.714 | 61.655 | 41.698 | 29.312 | 21.263 | 15.832 | 12.248 | 9.649 |
| 35Ш6 | 20209.255 | 8052.125 | 3905.704 | 2147.233 | 1281.026 | 815.278 | 545.329 | 379.475 | 272.709 | 201.303 | 121.697 | 78.392 | 53.018 | 37.270 | 27.036 | 20.130 | 15.573 | 12.268 |
| 35Ш7 | 26403.479 | 10520.136 | 5102.820 | 2805.370 | 1673.665 | 1065.164 | 712.475 | 495.785 | 356.296 | 263.003 | 158.998 | 102.420 | 69.268 | 48.693 | 35.322 | 26.300 | 20.347 | 16.028 |
| 40Ш1 | 11233.552 | 4475.868 | 2171.032 | 1193.565 | 712.073 | 453.182 | 303.128 | 210.935 | 151.589 | 111.897 | 67.647 | 43.575 | 29.471 | 20.717 | 15.028 | 11.190 | 8.657 | 6.819 |
| 40Ш2 | 14218.857 | 5665.326 | 2747.981 | 1510.754 | 901.306 | 573.614 | 383.683 | 266.991 | 191.873 | 141.633 | 85.624 | 55.155 | 37.303 | 26.222 | 19.022 | 14.163 | 10.957 | 8.631 |
| 40Ш3 | 17591.123 | 7008.963 | 3399.716 | 1869.057 | 1115.067 | 709.658 | 474.681 | 330.313 | 237.379 | 175.224 | 105.931 | 68.236 | 46.150 | 32.441 | 23.533 | 17.522 | 13.556 | 10.679 |
| 40Ш4 | 22098.879 | 8805.022 | 4270.899 | 2348.006 | 1400.805 | 891.509 | 596.319 | 414.957 | 298.208 | 220.126 | 133.076 | 85.722 | 57.975 | 40.755 | 29.564 | 22.013 | 17.030 | 13.415 |
| 40Ш5 | 28628.548 | 11406.687 | 5532.844 | 3041.783 | 1814.708 | 1154.927 | 772.516 | 537.566 | 386.321 | 285.167 | 172.397 | 111.051 | 75.106 | 52.797 | 38.299 | 28.517 | 22.061 | 17.379 |
| 40Ш6 | 35454.122 | 14126.252 | 6851.976 | 3767.000 | 2247.368 | 1430.283 | 956.699 | 665.732 | 478.427 | 353.156 | 213.500 | 137.527 | 93.012 | 65.384 | 47.430 | 35.316 | 27.321 | 21.522 |
| 40Ш7 | 45054.186 | 17951.277 | 8707.314 | 4787.007 | 2855.898 | 1817.567 | 1215.748 | 845.995 | 607.973 | 448.782 | 271.310 | 174.766 | 118.198 | 83.089 | 60.273 | 44.878 | 34.719 | 27.350 |
| 45Ш0 | 17204.269 | 6854.826 | 3324.951 | 1827.954 | 1090.545 | 694.051 | 464.242 | 323.049 | 232.159 | 171.371 | 103.602 | 66.736 | 45.135 | 31.728 | 23.016 | 17.137 | 13.258 | 10.444 |
| 45Ш1 | 20614.286 | 8213.505 | 3983.982 | 2190.268 | 1306.700 | 831.617 | 556.259 | 387.080 | 278.175 | 205.338 | 124.136 | 79.963 | 54.081 | 38.017 | 27.578 | 20.534 | 15.886 | 12.514 |
| 45Ш2 | 24404.826 | 9723.798 | 4716.554 | 2593.013 | 1546.975 | 984.535 | 658.543 | 458.256 | 329.325 | 243.095 | 146.963 | 94.667 | 64.025 | 45.007 | 32.649 | 24.309 | 18.807 | 14.815 |
| 45Ш3 | 28328.384 | 11287.090 | 5474.833 | 3009.891 | 1795.681 | 1142.818 | 764.417 | 531.930 | 382.271 | 282.177 | 170.590 | 109.886 | 74.318 | 52.243 | 37.898 | 28.218 | 21.830 | 17.197 |
| 45Ш4 | 36384.511 | 14496.954 | 7031.785 | 3865.854 | 2306.344 | 1467.817 | 981.804 | 683.202 | 490.982 | 362.424 | 219.103 | 141.136 | 95.453 | 67.100 | 48.675 | 36.242 | 28.038 | 22.087 |
| 45Ш5 | 44752.147 | 17830.934 | 8648.941 | 4754.916 | 2836.752 | 1805.382 | 1207.598 | 840.323 | 603.897 | 445.773 | 269.491 | 173.594 | 117.405 | 82.532 | 59.869 | 44.577 | 34.487 | 27.166 |
| 45Ш6 | 56566.592 | 22538.252 | 10932.238 | 6010.200 | 3585.647 | 2281.998 | 1526.400 | 1062.166 | 763.325 | 563.456 | 340.636 | 219.423 | 148.400 | 104.320 | 75.674 | 56.346 | 43.591 | 34.338 |
| 50Ш1 | 22194.346 | 8843.060 | 4289.349 | 2358.149 | 1406.857 | 895.360 | 598.895 | 416.749 | 299.496 | 221.076 | 133.651 | 86.092 | 58.226 | 40.931 | 29.691 | 22.108 | 17.103 | 13.473 |
| 50Ш2 | 26421.038 | 10527.132 | 5106.213 | 2807.235 | 1674.778 | 1065.872 | 712.949 | 496.115 | 356.533 | 263.178 | 159.104 | 102.488 | 69.314 | 48.726 | 35.346 | 26.318 | 20.360 | 16.039 |
| 50Ш3 | 30676.383 | 12222.621 | 5928.615 | 3259.366 | 1944.516 | 1237.540 | 827.775 | 576.019 | 413.955 | 305.566 | 184.729 | 118.994 | 80.478 | 56.573 | 41.039 | 30.557 | 23.640 | 18.622 |
| 50Ш4 | 35029.605 | 13957.108 | 6769.932 | 3721.896 | 2220.459 | 1413.157 | 945.243 | 657.760 | 472.699 | 348.928 | 210.944 | 135.881 | 91.899 | 64.601 | 46.862 | 34.893 | 26.994 | 21.264 |
| 50Ш5 | 42265.946 | 16840.338 | 8168.450 | 4490.757 | 2679.156 | 1705.084 | 1140.510 | 793.639 | 570.348 | 421.008 | 254.520 | 163.950 | 110.883 | 77.947 | 56.543 | 42.101 | 32.571 | 25.657 |
| 50Ш6 | 51563.398 | 20544.791 | 9965.305 | 5478.611 | 3268.504 | 2080.160 | 1391.393 | 968.220 | 695.810 | 513.620 | 310.508 | 200.015 | 135.274 | 95.093 | 68.981 | 51.362 | 39.735 | 31.301 |

Примечание:

- Описание таблицы приведено в п. 6.4.9 руководства
- Настоящая таблица действительна для сечений любой стали по ГОСТ 27772
- Промежуточные значения допустимо определять линейной интерполяцией

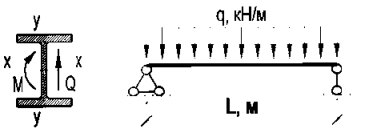


Таблица 6.4.5

| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 50Ш7 | 64047.477 | 25518.917 | 12378.018 | 6805.044 | 4059.845 | 2583.790 | 1728.265 | 1202.637 | 864.274 | 637.973 | 385.685 | 248.441 | 168.026 | 118.116 | 85.682 | 63.797 | 49.356 | 38.880 |
| 50Ш8 | 79002.427 | 31477.530 | 15268.259 | 8394.008 | 5007.811 | 3187.100 | 2131.812 | 1483.450 | 1066.080 | 786.938 | 475.742 | 306.452 | 207.259 | 145.696 | 105.689 | 78.694 | 60.880 | 47.958 |
| 60Ш1 | 37762.186 | 15045.871 | 7298.039 | 4012.232 | 2393.672 | 1523.394 | 1018.980 | 709.071 | 509.573 | 376.147 | 227.399 | 146.480 | 99.067 | 69.641 | 50.518 | 37.615 | 29.100 | 22.923 |
| 60Ш2 | 46396.018 | 18485.913 | 8966.641 | 4929.577 | 2940.954 | 1871.699 | 1251.956 | 871.191 | 626.080 | 462.148 | 279.391 | 179.971 | 121.718 | 85.563 | 62.068 | 46.215 | 35.753 | 28.164 |
| 60Ш3 | 55161.744 | 21978.507 | 10660.733 | 5860.935 | 3496.596 | 2225.324 | 1488.492 | 1035.787 | 744.367 | 549.463 | 332.177 | 213.973 | 144.714 | 101.729 | 73.795 | 54.946 | 42.508 | 33.486 |
| 60Ш4 | 64138.182 | 25555.057 | 12395.548 | 6814.682 | 4065.595 | 2587.450 | 1730.713 | 1204.340 | 865.498 | 638.876 | 386.232 | 248.793 | 168.264 | 118.283 | 85.804 | 63.888 | 49.426 | 38.935 |
| 60Ш5 | 77379.973 | 30831.083 | 14954.698 | 8221.622 | 4904.967 | 3121.647 | 2088.031 | 1452.985 | 1044.186 | 770.777 | 465.972 | 300.158 | 203.003 | 142.704 | 103.518 | 77.078 | 59.630 | 46.973 |
| 60Ш6 | 97885.343 | 39001.192 | 18917.631 | 10400.318 | 6204.762 | 3948.871 | 2641.351 | 1838.020 | 1320.891 | 975.030 | 589.452 | 379.699 | 256.798 | 180.520 | 130.950 | 97.503 | 75.432 | 59.421 |
| 60Ш7 | 116978.619 | 46608.669 | 22607.657 | 12428.978 | 7415.048 | 4719.128 | 3156.566 | 2196.539 | 1578.541 | 1165.217 | 704.430 | 453.762 | 306.888 | 215.732 | 156.493 | 116.522 | 90.145 | 71.011 |
| 60Ш8 | 145211.728 | 57857.798 | 28064.077 | 15428.746 | 9204.690 | 5858.102 | 3918.412 | 2726.680 | 1959.526 | 1446.445 | 874.446 | 563.279 | 380.957 | 267.799 | 194.263 | 144.644 | 111.902 | 88.150 |
| 70Ш1 | 63393.148 | 25258.208 | 12251.560 | 6735.522 | 4018.369 | 2557.394 | 1710.609 | 1190.350 | 855.444 | 631.455 | 381.745 | 245.903 | 166.309 | 116.909 | 84.807 | 63.146 | 48.851 | 38.482 |
| 70Ш2 | 73083.050 | 29119.028 | 14124.261 | 7765.074 | 4632.593 | 2948.302 | 1972.082 | 1372.300 | 986.202 | 727.976 | 440.096 | 283.491 | 191.730 | 134.779 | 97.770 | 72.798 | 56.319 | 44.365 |
| 70Ш3 | 87878.112 | 35013.935 | 16983.601 | 9337.049 | 5570.423 | 3545.161 | 2371.314 | 1650.111 | 1185.851 | 875.348 | 529.190 | 340.881 | 230.544 | 162.065 | 117.563 | 87.535 | 67.720 | 53.346 |
| 70Ш4 | 101152.753 | 40303.050 | 19549.100 | 10747.480 | 6411.877 | 4080.684 | 2729.519 | 1899.373 | 1364.982 | 1007.576 | 609.128 | 392.373 | 265.370 | 186.546 | 135.322 | 100.758 | 77.949 | 61.404 |
| 70Ш5 | 117570.520 | 46844.504 | 22722.050 | 12491.868 | 7452.567 | 4743.006 | 3172.538 | 2207.654 | 1586.528 | 1171.113 | 707.994 | 456.058 | 308.441 | 216.823 | 157.285 | 117.111 | 90.601 | 71.370 |
| 70Ш6 | 148261.307 | 59072.865 | 28653.448 | 15752.764 | 9397.997 | 5981.128 | 4000.702 | 2783.943 | 2000.678 | 1476.822 | 892.810 | 575.108 | 388.957 | 273.423 | 198.343 | 147.682 | 114.252 | 90.001 |
| 70Ш7 | 182530.249 | 72726.896 | 35276.372 | 19393.839 | 11570.239 | 7363.598 | 4925.419 | 3427.420 | 2463.112 | 1818.172 | 1099.173 | 708.038 | 478.860 | 336.622 | 244.188 | 181.817 | 140.660 | 110.804 |
| 70Ш8 | 226505.281 | 90248.198 | 43775.126 | 24066.186 | 14357.731 | 9137.630 | 6112.047 | 4253.151 | 3056.523 | 2256.205 | 1363.984 | 878.618 | 594.227 | 417.720 | 303.017 | 225.620 | 174.548 | 137.498 |
| **Тип К - Колонные двутавры** | | | | | | | | | | | | | | | | | | |
| 15К1 | 502.501 | 200.215 | 97.115 | 53.391 | 31.853 | 20.272 | 13.560 | 9.436 | 6.781 | 5.005 | 3.026 | 1.949 | 1.318 | 0.927 | 0.672 | 0.501 | 0.387 | 0.305 |
| 15К2 | 603.449 | 240.437 | 116.624 | 64.116 | 38.251 | 24.344 | 16.284 | 11.331 | 8.143 | 6.011 | 3.634 | 2.341 | 1.583 | 1.113 | 0.807 | 0.601 | 0.465 | 0.366 |
| 15К3 | 778.557 | 310.206 | 150.466 | 82.722 | 49.351 | 31.408 | 21.009 | 14.619 | 10.506 | 7.755 | 4.688 | 3.020 | 2.043 | 1.436 | 1.042 | 0.776 | 0.600 | 0.473 |
| 15К4 | 966.633 | 385.143 | 186.814 | 102.705 | 61.273 | 38.996 | 26.084 | 18.151 | 13.044 | 9.629 | 5.821 | 3.750 | 2.536 | 1.783 | 1.293 | 0.963 | 0.745 | 0.587 |
| 15К5 | 1210.122 | 482.158 | 233.872 | 128.575 | 76.707 | 48.818 | 32.654 | 22.723 | 16.330 | 12.054 | 7.287 | 4.694 | 3.175 | 2.232 | 1.619 | 1.205 | 0.933 | 0.735 |
| 20К1 | 1414.036 | 563.405 | 273.281 | 150.241 | 89.633 | 57.045 | 38.157 | 26.552 | 19.081 | 14.085 | 8.515 | 5.485 | 3.710 | 2.608 | 1.892 | 1.409 | 1.090 | 0.858 |
| 20К2 | 1733.741 | 690.787 | 335.068 | 184.210 | 109.898 | 69.942 | 46.783 | 32.555 | 23.396 | 17.270 | 10.440 | 6.725 | 4.548 | 3.197 | 2.319 | 1.727 | 1.336 | 1.052 |
| 20К3 | 2059.799 | 820.701 | 398.083 | 218.854 | 130.567 | 83.096 | 55.582 | 38.677 | 27.795 | 20.518 | 12.404 | 7.990 | 5.404 | 3.799 | 2.756 | 2.052 | 1.587 | 1.250 |
| 20К4 | 2559.866 | 1019.946 | 494.728 | 271.986 | 162.265 | 103.270 | 69.076 | 48.067 | 34.544 | 25.499 | 15.415 | 9.930 | 6.716 | 4.721 | 3.425 | 2.550 | 1.973 | 1.554 |
| 20К5 | 2930.384 | 1167.575 | 566.335 | 311.353 | 185.751 | 118.217 | 79.074 | 55.025 | 39.543 | 29.189 | 17.646 | 11.367 | 7.688 | 5.404 | 3.920 | 2.919 | 2.258 | 1.779 |
| 20К6 | 3488.398 | 1389.909 | 674.179 | 370.642 | 221.123 | 140.728 | 94.131 | 65.503 | 47.073 | 34.748 | 21.007 | 13.532 | 9.152 | 6.433 | 4.667 | 3.475 | 2.688 | 2.118 |
| 20К7 | 4094.486 | 1631.397 | 791.313 | 435.039 | 259.542 | 165.179 | 110.486 | 76.883 | 55.252 | 40.785 | 24.656 | 15.883 | 10.742 | 7.551 | 5.478 | 4.078 | 3.155 | 2.486 |
| 20К8 | 4917.607 | 1959.359 | 950.392 | 522.496 | 311.718 | 198.385 | 132.697 | 92.339 | 66.360 | 48.984 | 29.613 | 19.075 | 12.901 | 9.069 | 6.579 | 4.898 | 3.790 | 2.985 |
| 25К1 | 3371.766 | 1343.438 | 651.638 | 358.250 | 213.730 | 136.023 | 90.984 | 63.313 | 45.500 | 33.586 | 20.304 | 13.079 | 8.846 | 6.218 | 4.511 | 3.359 | 2.598 | 2.047 |
| 25К2 | 3982.700 | 1586.857 | 769.709 | 423.162 | 252.456 | 160.669 | 107.470 | 74.784 | 53.744 | 39.671 | 23.983 | 15.449 | 10.448 | 7.345 | 5.328 | 3.967 | 3.069 | 2.418 |
| 25К3 | 4468.358 | 1780.362 | 863.569 | 474.763 | 283.241 | 180.262 | 120.575 | 83.904 | 60.297 | 44.509 | 26.908 | 17.333 | 11.723 | 8.241 | 5.978 | 4.451 | 3.443 | 2.712 |
| 25К4 | 5120.441 | 2040.176 | 989.593 | 544.047 | 324.575 | 206.568 | 138.171 | 96.148 | 69.097 | 51.004 | 30.835 | 19.862 | 13.433 | 9.443 | 6.850 | 5.100 | 3.946 | 3.108 |
| 25К5 | 5972.213 | 2379.554 | 1154.209 | 634.548 | 378.567 | 240.930 | 161.155 | 112.142 | 80.591 | 59.489 | 35.964 | 23.166 | 15.668 | 11.014 | 7.990 | 5.949 | 4.602 | 3.625 |
| 25К6 | 6835.961 | 2723.703 | 1321.139 | 726.321 | 433.318 | 275.775 | 184.462 | 128.361 | 92.246 | 68.093 | 41.165 | 26.517 | 17.934 | 12.607 | 9.145 | 6.809 | 5.268 | 4.150 |
| 25К7 | 8241.662 | 3283.787 | 1592.810 | 875.677 | 522.423 | 332.483 | 222.394 | 154.756 | 111.215 | 82.095 | 49.630 | 31.970 | 21.622 | 15.199 | 11.026 | 8.209 | 6.351 | 5.003 |
| 25К8 | 9621.517 | 3833.573 | 1859.485 | 1022.286 | 609.889 | 388.149 | 259.628 | 180.666 | 129.835 | 95.839 | 57.939 | 37.322 | 25.242 | 17.744 | 12.872 | 9.584 | 7.414 | 5.841 |
| 25К9 | 11077.091 | 4413.529 | 2140.794 | 1176.941 | 702.155 | 446.870 | 298.906 | 207.998 | 149.477 | 110.338 | 66.705 | 42.968 | 29.060 | 20.428 | 14.819 | 11.034 | 8.536 | 6.724 |
| 25К10 | 13277.016 | 5290.061 | 2565.958 | 1410.683 | 841.604 | 535.619 | 358.269 | 249.306 | 179.164 | 132.252 | 79.952 | 51.502 | 34.832 | 24.485 | 17.762 | 13.225 | 10.231 | 8.060 |
| 30К1 | 6929.868 | 2761.119 | 1339.288 | 736.298 | 439.271 | 279.563 | 186.996 | 130.124 | 93.513 | 69.028 | 41.731 | 26.881 | 18.180 | 12.780 | 9.271 | 6.903 | 5.340 | 4.207 |
| 30К2 | 7503.985 | 2989.869 | 1450.244 | 797.298 | 475.663 | 302.724 | 202.488 | 140.904 | 101.261 | 74.747 | 45.188 | 29.108 | 19.686 | 13.839 | 10.039 | 7.475 | 5.783 | 4.555 |
| 30К3 | 7917.601 | 3154.669 | 1530.180 | 841.245 | 501.881 | 319.410 | 213.650 | 148.671 | 106.842 | 78.867 | 47.679 | 30.713 | 20.771 | 14.602 | 10.592 | 7.887 | 6.101 | 4.806 |
| 30К4 | 8596.033 | 3424.982 | 1661.297 | 913.329 | 544.886 | 346.779 | 231.956 | 161.410 | 115.997 | 85.625 | 51.764 | 33.344 | 22.551 | 15.853 | 11.500 | 8.562 | 6.624 | 5.218 |
| 30К5 | 9692.578 | 3861.887 | 1873.218 | 1029.836 | 614.394 | 391.016 | 261.546 | 182.000 | 130.794 | 96.547 | 58.367 | 37.598 | 25.428 | 17.875 | 12.967 | 9.655 | 7.469 | 5.884 |
| 30К6 | 10849.136 | 4322.703 | 2096.738 | 1152.721 | 687.706 | 437.674 | 292.754 | 203.717 | 146.401 | 108.068 | 65.332 | 42.084 | 28.462 | 20.008 | 14.514 | 10.807 | 8.360 | 6.586 |
| 30К7 | 12034.349 | 4794.936 | 2325.796 | 1278.650 | 762.834 | 485.487 | 324.736 | 225.972 | 162.395 | 119.873 | 72.469 | 46.681 | 31.572 | 22.194 | 16.099 | 11.987 | 9.274 | 7.305 |
| 30К8 | 14034.815 | 5591.997 | 2712.413 | 1491.199 | 889.640 | 566.190 | 378.717 | 263.536 | 189.390 | 139.800 | 84.516 | 54.441 | 36.820 | 25.883 | 18.776 | 13.980 | 10.815 | 8.520 |
| 30К9 | 16170.800 | 6443.053 | 3125.220 | 1718.147 | 1025.036 | 652.359 | 436.355 | 303.644 | 218.213 | 161.076 | 97.378 | 62.727 | 42.423 | 29.822 | 21.633 | 16.108 | 12.461 | 9.816 |
| 30К10 | 18424.660 | 7341.075 | 3560.808 | 1957.620 | 1167.903 | 743.284 | 497.173 | 345.965 | 248.627 | 183.527 | 110.951 | 71.470 | 48.336 | 33.979 | 24.648 | 18.353 | 14.198 | 11.185 |
| 30К11 | 20768.313 | 8274.875 | 4013.750 | 2206.633 | 1316.463 | 837.831 | 560.415 | 389.972 | 280.253 | 206.872 | 125.064 | 80.561 | 54.485 | 38.301 | 27.784 | 20.687 | 16.004 | 12.607 |
| 30К12 | 23588.550 | 9398.563 | 4558.798 | 2506.283 | 1495.232 | 951.605 | 636.516 | 442.929 | 318.310 | 234.964 | 142.047 | 91.500 | 61.884 | 43.502 | 31.557 | 23.496 | 18.178 | 14.319 |

Примечание:

- Описание таблицы приведено в п. 6.4.9 руководства
- Настоящая таблица действительна для сечений любой стали по ГОСТ 27772
- Промежуточные значения допустимо определять линейной интерполяцией

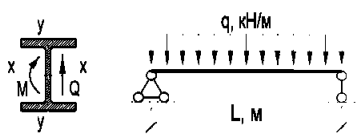


Таблица 6.4.5

| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30К13 | 27345.177 | 10895.344 | 5284.815 | 2905.425 | 1733.358 | 1103.154 | 737.886 | 513.468 | 369.003 | 272.384 | 164.669 | 106.072 | 71.739 | 50.430 | 36.582 | 27.238 | 21.072 | 16.600 |
| 30К14 | 30715.185 | 12238.082 | 5936.114 | 3263.488 | 1946.976 | 1239.106 | 828.822 | 576.747 | 414.479 | 305.952 | 184.963 | 119.145 | 80.580 | 56.645 | 41.091 | 30.595 | 23.669 | 18.645 |
| 30К15 | 34519.225 | 13753.754 | 6671.295 | 3667.668 | 2188.107 | 1392.568 | 931.471 | 648.177 | 465.812 | 343.844 | 207.870 | 133.901 | 90.560 | 63.660 | 46.180 | 34.384 | 26.601 | 20.955 |
| 30К16 | 39456.047 | 15720.769 | 7625.400 | 4192.205 | 2501.042 | 1591.728 | 1064.687 | 740.877 | 532.430 | 393.019 | 237.599 | 153.051 | 103.511 | 72.765 | 52.784 | 39.302 | 30.405 | 23.952 |
| 30К17 | 44675.035 | 17800.209 | 8634.038 | 4746.722 | 2831.864 | 1802.271 | 1205.517 | 838.875 | 602.857 | 445.005 | 269.027 | 173.295 | 117.203 | 82.390 | 59.766 | 44.501 | 34.427 | 27.120 |
| 30К18 | 51260.719 | 20424.193 | 9906.808 | 5446.451 | 3249.318 | 2067.950 | 1383.226 | 962.537 | 691.726 | 510.605 | 308.685 | 198.841 | 134.480 | 94.535 | 68.576 | 51.060 | 39.502 | 31.117 |
| 30К19 | 59664.445 | 23772.552 | 11530.939 | 6339.347 | 3782.014 | 2406.971 | 1609.993 | 1120.336 | 805.128 | 594.314 | 359.291 | 231.440 | 156.527 | 110.033 | 79.819 | 59.431 | 45.978 | 36.219 |
| 30К20 | 68778.730 | 27404.025 | 13292.394 | 7307.740 | 4359.750 | 2774.658 | 1855.934 | 1291.477 | 928.119 | 685.101 | 414.176 | 266.794 | 180.438 | 126.841 | 92.012 | 68.510 | 53.002 | 41.752 |
| 30К21 | 81377.202 | 32423.729 | 15727.215 | 8646.328 | 5158.343 | 3282.903 | 2195.893 | 1528.042 | 1098.126 | 810.593 | 490.043 | 315.664 | 213.490 | 150.076 | 108.866 | 81.059 | 62.710 | 49.399 |
| 35К1 | 11488.556 | 4577.472 | 2220.315 | 1220.659 | 728.237 | 463.469 | 310.009 | 215.724 | 155.030 | 114.437 | 69.183 | 44.564 | 30.140 | 21.187 | 15.369 | 11.444 | 8.853 | 6.974 |
| 35К1,5 | 13129.537 | 5231.300 | 2537.456 | 1395.013 | 832.256 | 529.669 | 354.289 | 246.537 | 177.173 | 130.782 | 79.064 | 50.930 | 34.445 | 24.213 | 17.565 | 13.078 | 10.118 | 7.970 |
| 35К2 | 14814.832 | 5902.784 | 2863.161 | 1574.076 | 939.083 | 597.657 | 399.765 | 278.182 | 199.915 | 147.570 | 89.213 | 57.467 | 38.866 | 27.321 | 19.819 | 14.757 | 11.416 | 8.993 |
| 35К3 | 16997.134 | 6772.296 | 3284.920 | 1805.945 | 1077.415 | 685.695 | 458.653 | 319.160 | 229.364 | 169.307 | 102.354 | 65.932 | 44.591 | 31.346 | 22.739 | 16.931 | 13.098 | 10.318 |
| 35К4 | 19248.281 | 7669.237 | 3719.983 | 2045.130 | 1220.111 | 776.510 | 519.398 | 361.430 | 259.741 | 191.731 | 115.911 | 74.664 | 50.497 | 35.498 | 25.750 | 19.173 | 14.833 | 11.685 |
| 35К5 | 21569.580 | 8594.130 | 4168.605 | 2291.768 | 1367.254 | 870.156 | 582.036 | 405.018 | 291.066 | 214.853 | 129.889 | 83.669 | 56.587 | 39.779 | 28.856 | 21.485 | 16.622 | 13.094 |
| 35К6 | 23883.409 | 9516.046 | 4615.783 | 2537.612 | 1513.923 | 963.500 | 644.473 | 448.465 | 322.289 | 237.901 | 143.823 | 92.644 | 62.657 | 44.046 | 31.951 | 23.790 | 18.405 | 14.498 |
| 35К7 | 27353.358 | 10898.603 | 5286.396 | 2906.294 | 1733.876 | 1103.484 | 738.106 | 513.621 | 369.114 | 272.465 | 164.718 | 106.104 | 71.760 | 50.445 | 36.593 | 27.247 | 21.079 | 16.605 |
| 35К8 | 30476.961 | 12143.164 | 5890.074 | 3238.177 | 1931.876 | 1229.495 | 822.394 | 572.274 | 411.264 | 303.579 | 183.528 | 118.221 | 79.955 | 56.206 | 40.772 | 30.358 | 23.486 | 18.501 |
| 35К9 | 34211.764 | 13631.250 | 6611.874 | 3635.000 | 2168.617 | 1380.164 | 923.175 | 642.404 | 461.663 | 340.781 | 206.019 | 132.708 | 89.753 | 63.093 | 45.768 | 34.078 | 26.364 | 20.768 |
| 35К10 | 38139.760 | 15196.311 | 7371.010 | 4052.349 | 2417.605 | 1538.626 | 1029.168 | 716.161 | 514.668 | 379.908 | 229.673 | 147.945 | 100.058 | 70.337 | 51.023 | 37.991 | 29.391 | 23.152 |
| 35К11 | 43744.752 | 17429.550 | 8454.249 | 4647.880 | 2772.895 | 1764.742 | 1180.414 | 821.407 | 590.303 | 435.739 | 263.425 | 169.687 | 114.762 | 80.674 | 58.521 | 43.574 | 33.710 | 26.555 |
| 35К12 | 49899.008 | 19881.636 | 9643.640 | 5301.770 | 3163.001 | 2013.016 | 1346.481 | 936.967 | 673.351 | 497.041 | 300.485 | 193.559 | 130.908 | 92.024 | 66.755 | 49.704 | 38.453 | 30.291 |
| 35К13 | 56370.171 | 22459.990 | 10894.277 | 5989.331 | 3573.196 | 2274.074 | 1521.100 | 1058.478 | 760.674 | 561.500 | 339.454 | 218.661 | 147.885 | 103.958 | 75.412 | 56.150 | 43.439 | 34.219 |
| 35К14 | 63167.457 | 25168.284 | 12207.942 | 6711.542 | 4004.063 | 2548.289 | 1704.519 | 1186.113 | 852.399 | 629.207 | 380.386 | 245.028 | 165.717 | 116.493 | 84.505 | 62.921 | 48.678 | 38.345 |
| 35К15 | 71769.234 | 28595.554 | 13870.349 | 7625.481 | 4549.313 | 2895.300 | 1936.630 | 1347.630 | 968.473 | 714.889 | 432.185 | 278.394 | 188.283 | 132.357 | 96.012 | 71.489 | 55.306 | 43.567 |
| 35К16 | 83478.006 | 33260.768 | 16133.223 | 8869.538 | 5291.509 | 3367.653 | 2252.581 | 1567.489 | 1126.475 | 831.519 | 502.693 | 323.813 | 219.001 | 153.950 | 111.676 | 83.152 | 64.329 | 50.675 |
| 35К17 | 94987.136 | 37846.437 | 18357.514 | 10092.383 | 6021.050 | 3831.952 | 2563.145 | 1783.599 | 1281.782 | 946.161 | 572.000 | 368.457 | 249.195 | 175.175 | 127.073 | 94.616 | 73.198 | 57.661 |

...

| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 35К18 | 109032.816 | 43442.762 | 21072.026 | 11584.737 | 6911.379 | 4398.580 | 2942.155 | 2047.339 | 1471.318 | 1086.069 | 656.581 | 422.940 | 286.043 | 201.078 | 145.863 | 108.607 | 84.022 | 66.188 |
| 35К19 | 125905.203 | 50165.354 | 24332.837 | 13377.428 | 7980.887 | 5079.242 | 3397.442 | 2364.156 | 1698.998 | 1254.134 | 758.184 | 488.389 | 330.307 | 232.194 | 168.435 | 125.413 | 97.024 | 76.430 |
| 35К20 | 144476.286 | 57564.770 | 27921.943 | 15350.605 | 9158.072 | 5828.433 | 3898.566 | 2712.871 | 1949.602 | 1439.119 | 870.017 | 560.426 | 379.027 | 266.443 | 193.279 | 143.912 | 111.335 | 87.703 |
| 35К21 | 166935.670 | 66513.431 | 32262.515 | 17736.915 | 10581.729 | 6734.485 | 4504.613 | 3134.597 | 2252.675 | 1662.836 | 1005.264 | 647.547 | 437.949 | 307.862 | 223.325 | 166.284 | 128.642 | 101.337 |
| 35К22 | 193630.944 | 77149.829 | 37421.728 | 20573.288 | 12273.890 | 7811.420 | 5224.962 | 3635.861 | 2612.908 | 1928.746 | 1166.020 | 751.098 | 507.982 | 357.093 | 259.038 | 192.875 | 149.214 | 117.542 |
| 35К23 | 223123.875 | 88900.919 | 43121.625 | 23706.912 | 14143.390 | 9001.218 | 6020.803 | 4189.658 | 3010.893 | 2222.523 | 1343.522 | 865.502 | 585.356 | 411.484 | 298.494 | 222.252 | 171.942 | 135.446 |
| 35К24 | 259135.356 | 103249.244 | 50081.317 | 27533.132 | 16426.088 | 10453.986 | 6992.541 | 4865.855 | 3496.842 | 2581.231 | 1560.478 | 1005.191 | 679.830 | 477.896 | 346.670 | 258.123 | 199.693 | 157.306 |
| 40К1 | 20642.298 | 8224.666 | 3989.396 | 2193.244 | 1308.475 | 832.747 | 557.014 | 387.606 | 278.553 | 205.617 | 124.305 | 80.072 | 54.154 | 38.068 | 27.615 | 20.562 | 15.907 | 12.531 |
| 40К2 | 24493.924 | 9759.298 | 4733.773 | 2602.479 | 1552.622 | 988.129 | 660.947 | 459.929 | 330.528 | 243.982 | 147.499 | 95.012 | 64.259 | 45.172 | 32.768 | 24.398 | 18.875 | 14.869 |
| 40К3 | 28691.777 | 11431.880 | 5545.064 | 3048.501 | 1818.716 | 1157.478 | 774.223 | 538.753 | 387.175 | 285.797 | 172.778 | 111.296 | 75.272 | 52.913 | 38.384 | 28.580 | 22.110 | 17.417 |
| 40К4 | 34108.091 | 13589.943 | 6591.837 | 3623.985 | 2162.046 | 1375.982 | 920.377 | 640.457 | 460.264 | 339.749 | 205.394 | 132.306 | 89.481 | 62.902 | 45.630 | 33.975 | 26.284 | 20.705 |
| 40К4,5 | 38100.336 | 15180.603 | 7363.391 | 4048.161 | 2415.106 | 1537.036 | 1028.104 | 715.420 | 514.136 | 379.515 | 229.435 | 147.792 | 99.955 | 70.265 | 50.970 | 37.952 | 29.361 | 23.129 |
| 40К5 | 44225.730 | 17621.189 | 8547.204 | 4698.984 | 2803.383 | 1784.145 | 1193.393 | 830.439 | 596.794 | 440.530 | 266.321 | 171.552 | 116.024 | 81.561 | 59.165 | 44.053 | 34.081 | 26.847 |
| 40К6 | 47219.234 | 18813.914 | 9125.738 | 5017.044 | 2993.136 | 1904.909 | 1274.170 | 886.648 | 637.189 | 470.348 | 284.348 | 183.164 | 123.878 | 87.082 | 63.170 | 47.035 | 36.388 | 28.664 |
| 40К7 | 54450.270 | 21695.029 | 10523.231 | 5785.341 | 3451.497 | 2196.622 | 1469.293 | 1022.428 | 734.766 | 542.376 | 327.892 | 211.214 | 142.848 | 100.417 | 72.843 | 54.238 | 41.960 | 33.054 |
| 40К8 | 62023.746 | 24712.586 | 11986.905 | 6590.023 | 3931.565 | 2502.149 | 1673.657 | 1164.637 | 836.965 | 617.815 | 373.499 | 240.591 | 162.717 | 114.384 | 82.975 | 61.781 | 47.796 | 37.651 |
| 40К9 | 71597.802 | 28527.249 | 13837.217 | 7607.266 | 4538.446 | 2888.384 | 1932.004 | 1344.411 | 966.160 | 713.181 | 431.152 | 277.729 | 187.834 | 132.040 | 95.783 | 71.318 | 55.174 | 43.463 |
| 40К10 | 83288.585 | 33185.296 | 16096.615 | 8849.412 | 5279.502 | 3360.011 | 2247.470 | 1563.932 | 1123.918 | 829.632 | 501.553 | 323.078 | 218.504 | 153.601 | 111.423 | 82.963 | 64.183 | 50.560 |
| 40К11 | 96189.229 | 38325.396 | 18589.834 | 10220.106 | 6097.249 | 3880.446 | 2595.582 | 1806.171 | 1298.003 | 958.135 | 579.239 | 373.120 | 252.348 | 177.392 | 128.681 | 95.813 | 74.124 | 58.391 |
| 40К12 | 111686.923 | 44500.258 | 21584.967 | 11866.736 | 7079.618 | 4505.651 | 3013.774 | 2097.176 | 1507.133 | 1112.506 | 672.564 | 433.236 | 293.006 | 205.973 | 149.414 | 111.251 | 86.067 | 67.799 |
| 40К13 | 130215.928 | 51882.909 | 25165.941 | 13835.442 | 8254.135 | 5253.145 | 3513.763 | 2445.100 | 1757.169 | 1297.073 | 784.143 | 505.110 | 341.616 | 240.144 | 174.202 | 129.707 | 100.346 | 79.047 |
| 40К14 | 152389.479 | 60717.683 | 29451.272 | 16191.382 | 9659.674 | 6147.665 | 4112.097 | 2861.459 | 2056.384 | 1517.942 | 917.669 | 591.122 | 399.787 | 281.036 | 203.866 | 151.794 | 117.433 | 92.507 |
| 40К15 | 177328.269 | 70654.232 | 34271.021 | 18841.129 | 11240.495 | 7153.741 | 4785.049 | 3329.741 | 2392.915 | 1766.356 | 1067.847 | 687.860 | 465.213 | 327.028 | 237.229 | 176.636 | 136.651 | 107.646 |
| 40К16 | 209288.364 | 83388.333 | 40447.730 | 22236.889 | 13266.384 | 8443.069 | 5647.464 | 3929.865 | 2824.193 | 2084.708 | 1260.306 | 811.834 | 549.059 | 385.969 | 279.985 | 208.471 | 161.280 | 127.047 |
| 40К17 | 249997.722 | 99608.467 | 48315.349 | 26562.258 | 15846.871 | 10085.357 | 6745.970 | 4694.275 | 3373.536 | 2490.212 | 1505.453 | 969.746 | 655.858 | 461.045 | 334.445 | 249.021 | 192.651 | 151.759 |
| 40К18 | 294377.519 | 117291.043 | 56892.329 | 31277.611 | 18660.020 | 11875.718 | 7943.520 | 5527.607 | 3972.409 | 2932.276 | 1772.702 | 1141.896 | 772.287 | 542.890 | 393.816 | 293.228 | 226.851 | 178.700 |
| 40К19 | 350074.239 | 139482.705 | 67656.453 | 37195.388 | 22190.528 | 14122.624 | 9446.448 | 6573.439 | 4723.995 | 3487.068 | 2108.100 | 1357.945 | 918.405 | 645.606 | 468.327 | 348.707 | 269.771 | 212.510 |

Примечание:

- Описание таблицы приведено в п. 6.4.9 руководства
- Настоящая таблица действительна для сечений любой стали по ГОСТ 27772
- Промежуточные значения допустимо определять линейной интерполяцией

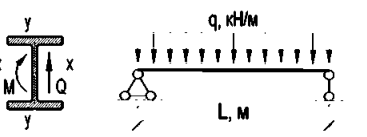


Таблица 6.4.5

| Про-филь | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| | Тип С - Свайные двутавры | | | | | | | | | | | | | | | | | |
| 13С1 | 326.153 | 129.952 | 63.033 | 34.654 | 20.674 | 13.158 | 8.801 | 6.124 | 4.401 | 3.249 | 1.964 | 1.265 | 0.856 | 0.601 | 0.436 | 0.325 | 0.251 | 0.198 |
| 20С1 | 1831.784 | 729.852 | 354.016 | 194.627 | 116.113 | 73.897 | 49.429 | 34.396 | 24.719 | 18.246 | 11.031 | 7.106 | 4.806 | 3.378 | 2.451 | 1.825 | 1.412 | 1.112 |
| 25С1 | 3230.533 | 1287.166 | 624.343 | 343.244 | 204.777 | 130.326 | 87.173 | 60.661 | 43.594 | 32.179 | 19.454 | 12.531 | 8.475 | 5.958 | 4.322 | 3.218 | 2.489 | 1.961 |
| 25С2 | 4222.064 | 1682.229 | 815.969 | 448.594 | 267.628 | 170.326 | 113.929 | 79.279 | 56.974 | 42.056 | 25.425 | 16.377 | 11.076 | 7.786 | 5.648 | 4.206 | 3.254 | 2.563 |
| 30С1 | 6200.268 | 2470.419 | 1198.283 | 658.779 | 393.023 | 250.130 | 167.309 | 116.424 | 83.668 | 61.760 | 37.337 | 24.051 | 16.266 | 11.435 | 8.295 | 6.176 | 4.778 | 3.764 |
| 30С2 | 7917.601 | 3154.669 | 1530.180 | 841.245 | 501.881 | 319.410 | 213.650 | 148.671 | 106.842 | 78.867 | 47.679 | 30.713 | 20.771 | 14.602 | 10.592 | 7.887 | 6.101 | 4.806 |
| 32С1 | 15064.005 | 6002.064 | 2911.317 | 1600.550 | 954.878 | 607.709 | 406.489 | 282.861 | 203.278 | 150.052 | 90.713 | 58.434 | 39.520 | 27.781 | 20.153 | 15.005 | 11.608 | 9.144 |
| 32С2 | 19375.145 | 7719.784 | 3744.502 | 2058.609 | 1228.153 | 781.628 | 522.821 | 363.812 | 261.453 | 192.995 | 116.675 | 75.157 | 50.830 | 35.732 | 25.920 | 19.299 | 14.931 | 11.762 |
| 35С1 | 10364.419 | 4129.573 | 2003.060 | 1101.219 | 656.980 | 418.119 | 279.675 | 194.616 | 139.860 | 103.239 | 62.413 | 40.204 | 27.191 | 19.114 | 13.865 | 10.324 | 7.987 | 6.292 |
| 35С2 | 12989.514 | 5175.510 | 2510.395 | 1380.136 | 823.380 | 524.020 | 350.511 | 243.908 | 175.284 | 129.388 | 78.221 | 50.387 | 34.077 | 23.955 | 17.377 | 12.939 | 10.010 | 7.885 |
| 35С3 | 15734.360 | 6269.159 | 3040.872 | 1671.776 | 997.371 | 634.752 | 424.578 | 295.448 | 212.324 | 156.729 | 94.750 | 61.034 | 41.278 | 29.017 | 21.049 | 15.673 | 12.125 | 9.551 |
| 40С1 | 18002.459 | 7172.855 | 3479.212 | 1912.761 | 1141.141 | 726.252 | 485.781 | 338.037 | 242.930 | 179.321 | 108.408 | 69.832 | 47.229 | 33.200 | 24.084 | 17.932 | 13.873 | 10.928 |
| 40С2 | 21954.044 | 8747.314 | 4242.908 | 2332.617 | 1391.624 | 885.666 | 592.411 | 412.237 | 296.254 | 218.683 | 132.204 | 85.160 | 57.595 | 40.488 | 29.370 | 21.868 | 16.918 | 13.327 |
| 40С3 | 26062.601 | 10384.318 | 5036.941 | 2769.151 | 1652.058 | 1051.412 | 703.277 | 489.385 | 351.696 | 259.608 | 156.945 | 101.097 | 68.374 | 48.065 | 34.866 | 25.961 | 20.084 | 15.821 |
| | Тип ДБ - Дополнительные балочные двутавры | | | | | | | | | | | | | | | | | |
| 20ДБ1 | 948.695 | 377.996 | 183.348 | 100.799 | 60.136 | 38.272 | 25.600 | 17.814 | 12.802 | 9.450 | 5.713 | 3.680 | 2.489 | 1.750 | 1.269 | 0.945 | 0.731 | 0.576 |
| 20ДБ2 | 1153.344 | 459.536 | 222.899 | 122.543 | 73.108 | 46.528 | 31.122 | 21.657 | 15.564 | 11.488 | 6.945 | 4.474 | 3.026 | 2.127 | 1.543 | 1.149 | 0.889 | 0.700 |
| 25ДБ1 | 1615.925 | 643.845 | 312.299 | 171.692 | 102.430 | 65.189 | 43.604 | 30.343 | 21.806 | 16.096 | 9.731 | 6.268 | 4.239 | 2.980 | 2.162 | 1.610 | 1.245 | 0.981 |
| 25ДБ2 | 2030.831 | 809.159 | 392.485 | 215.776 | 128.730 | 81.927 | 54.800 | 38.133 | 27.405 | 20.229 | 12.229 | 7.878 | 5.328 | 3.745 | 2.717 | 2.023 | 1.565 | 1.233 |
| 25ДБ3 | 2409.898 | 960.194 | 465.744 | 256.052 | 152.759 | 97.220 | 65.029 | 45.251 | 32.520 | 24.005 | 14.512 | 9.348 | 6.322 | 4.444 | 3.224 | 2.400 | 1.857 | 1.463 |
| 25ДБ4 | 1796.930 | 715.964 | 347.280 | 190.924 | 113.904 | 72.491 | 48.489 | 33.741 | 24.248 | 17.899 | 10.821 | 6.970 | 4.714 | 3.314 | 2.404 | 1.790 | 1.385 | 1.091 |
| 25ДБ5 | 2208.568 | 879.976 | 426.835 | 234.660 | 139.997 | 89.098 | 59.596 | 41.471 | 29.803 | 21.999 | 13.300 | 8.567 | 5.794 | 4.073 | 2.955 | 2.200 | 1.702 | 1.341 |
| 25ДБ6 | 2613.319 | 1041.244 | 505.058 | 277.665 | 165.653 | 105.426 | 70.518 | 49.071 | 35.265 | 26.031 | 15.737 | 10.137 | 6.856 | 4.819 | 3.496 | 2.603 | 2.014 | 1.586 |
| 30ДБ1 | 1995.047 | 794.901 | 385.569 | 211.974 | 126.462 | 80.484 | 53.835 | 37.462 | 26.922 | 19.873 | 12.014 | 7.739 | 5.234 | 3.679 | 2.669 | 1.987 | 1.537 | 1.211 |
| 30ДБ2 | 2388.331 | 951.601 | 461.576 | 253.760 | 151.392 | 96.350 | 64.447 | 44.846 | 32.229 | 23.790 | 14.382 | 9.264 | 6.266 | 4.405 | 3.195 | 2.379 | 1.840 | 1.450 |
| 30ДБ3 | 3141.630 | 1251.743 | 607.161 | 333.798 | 199.142 | 126.739 | 84.774 | 58.991 | 42.394 | 31.294 | 18.918 | 12.186 | 8.242 | 5.794 | 4.203 | 3.129 | 2.421 | 1.907 |

| Про-филь | Значения предельной q, кН/м при пролёте L, м в плоскости с большей жёсткостью y-y, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 30ДБ4 | 3662.021 | 1459.086 | 707.734 | 389.090 | 232.128 | 147.733 | 98.816 | 68.763 | 49.416 | 36.477 | 22.052 | 14.205 | 9.607 | 6.753 | 4.899 | 3.648 | 2.822 | 2.223 |
| 30ДБ5 | 4365.212 | 1739.264 | 843.635 | 463.804 | 276.702 | 176.100 | 117.791 | 81.967 | 58.905 | 43.482 | 26.287 | 16.933 | 11.452 | 8.050 | 5.840 | 4.348 | 3.364 | 2.650 |
| 30ДБ6 | 3116.898 | 1241.889 | 602.381 | 331.170 | 197.574 | 125.741 | 84.107 | 58.527 | 42.060 | 31.047 | 18.770 | 12.091 | 8.177 | 5.748 | 4.170 | 3.105 | 2.402 | 1.892 |
| 30ДБ7 | 3655.598 | 1456.527 | 706.492 | 388.407 | 231.721 | 147.473 | 98.643 | 68.642 | 49.330 | 36.413 | 22.014 | 14.180 | 9.590 | 6.742 | 4.890 | 3.641 | 2.817 | 2.219 |
| 30ДБ8 | 4289.879 | 1709.248 | 829.075 | 455.800 | 271.927 | 173.061 | 115.759 | 80.552 | 57.889 | 42.731 | 25.833 | 16.641 | 11.254 | 7.911 | 5.739 | 4.273 | 3.306 | 2.604 |
| 35ДБ1 | 3039.553 | 1211.072 | 587.434 | 322.953 | 192.671 | 122.621 | 82.020 | 57.075 | 41.017 | 30.277 | 18.304 | 11.790 | 7.974 | 5.606 | 4.066 | 3.028 | 2.342 | 1.845 |
| 35ДБ2 | 3764.910 | 1500.081 | 727.618 | 400.022 | 238.650 | 151.883 | 101.593 | 70.695 | 50.805 | 37.502 | 22.672 | 14.604 | 9.877 | 6.943 | 5.037 | 3.750 | 2.901 | 2.285 |
| 35ДБ3 | 4473.064 | 1782.237 | 864.479 | 475.263 | 283.539 | 180.451 | 120.702 | 83.992 | 60.361 | 44.556 | 26.936 | 17.351 | 11.735 | 8.249 | 5.984 | 4.456 | 3.447 | 2.715 |
| 35ДБ4 | 5195.359 | 2070.026 | 1004.071 | 552.007 | 329.324 | 209.590 | 140.192 | 97.555 | 70.108 | 51.751 | 31.286 | 20.153 | 13.630 | 9.581 | 6.950 | 5.175 | 4.004 | 3.154 |
| 35ДБ5 | 5901.630 | 2351.431 | 1140.568 | 627.048 | 374.093 | 238.082 | 159.250 | 110.817 | 79.638 | 58.786 | 35.539 | 22.893 | 15.483 | 10.884 | 7.895 | 5.879 | 4.548 | 3.583 |
| 35ДБ6 | 7137.878 | 2843.998 | 1379.489 | 758.400 | 452.456 | 287.955 | 192.609 | 134.030 | 96.320 | 71.100 | 42.983 | 27.688 | 18.726 | 13.164 | 9.549 | 7.110 | 5.501 | 4.333 |
| 35ДБ7 | 9836.446 | 3919.209 | 1901.023 | 1045.122 | 623.513 | 396.820 | 265.428 | 184.702 | 132.736 | 97.980 | 59.234 | 38.156 | 25.805 | 18.140 | 13.159 | 9.798 | 7.580 | 5.971 |
| 35ДБ8 | 11106.890 | 4425.402 | 2146.553 | 1180.107 | 704.044 | 448.072 | 299.710 | 208.557 | 149.879 | 110.635 | 66.884 | 43.084 | 29.138 | 20.483 | 14.859 | 11.064 | 8.559 | 6.742 |
| 35ДБ9 | 12189.339 | 4856.690 | 2355.750 | 1295.117 | 772.659 | 491.740 | 328.919 | 228.883 | 164.486 | 121.417 | 73.403 | 47.283 | 31.978 | 22.480 | 16.307 | 12.142 | 9.393 | 7.399 |
| 35ДБ10 | 13455.687 | 5361.250 | 2600.488 | 1429.667 | 852.930 | 542.827 | 363.090 | 252.661 | 181.575 | 134.031 | 81.028 | 52.195 | 35.300 | 24.815 | 18.001 | 13.403 | 10.369 | 8.168 |
| 40ДБ1 | 4653.320 | 1854.057 | 899.315 | 494.415 | 294.965 | 187.723 | 125.566 | 87.377 | 62.793 | 46.351 | 28.022 | 18.050 | 12.208 | 8.582 | 6.225 | 4.635 | 3.586 | 2.825 |
| 40ДБ2 | 5724.463 | 2280.841 | 1106.328 | 608.224 | 362.863 | 230.935 | 154.470 | 107.490 | 77.247 | 57.021 | 34.472 | 22.205 | 15.018 | 10.557 | 7.658 | 5.702 | 4.411 | 3.475 |
| 40ДБ3 | 6843.387 | 2726.662 | 1322.575 | 727.110 | 433.789 | 276.075 | 184.663 | 128.500 | 92.346 | 68.167 | 41.210 | 26.546 | 17.953 | 12.621 | 9.155 | 6.817 | 5.274 | 4.154 |
| 40ДБ4 | 7936.193 | 3162.077 | 1533.774 | 843.221 | 503.060 | 320.160 | 214.151 | 149.020 | 107.093 | 79.052 | 47.791 | 30.785 | 20.820 | 14.636 | 10.617 | 7.905 | 6.116 | 4.818 |
| 40ДБ5 | 9028.771 | 3597.401 | 1744.929 | 959.307 | 572.316 | 364.237 | 243.633 | 169.536 | 121.837 | 89.935 | 54.370 | 35.023 | 23.687 | 16.651 | 12.079 | 8.994 | 6.958 | 5.481 |
| 40ДБ6 | 10108.771 | 4027.713 | 1953.653 | 1074.057 | 640.775 | 407.806 | 272.776 | 189.815 | 136.410 | 100.693 | 60.874 | 39.212 | 26.520 | 18.643 | 13.523 | 10.069 | 7.790 | 6.136 |
| 40ДБ7 | 11595.030 | 4619.895 | 2240.892 | 1231.972 | 734.986 | 467.764 | 312.882 | 217.723 | 156.466 | 115.497 | 69.824 | 44.977 | 30.419 | 21.384 | 15.512 | 11.550 | 8.935 | 7.039 |
| 45ДБ1 | 7800.505 | 3108.014 | 1507.550 | 828.804 | 494.459 | 314.686 | 210.490 | 146.472 | 105.262 | 77.700 | 46.974 | 30.258 | 20.464 | 14.386 | 10.435 | 7.770 | 6.011 | 4.735 |
| 45ДБ2 | 9374.914 | 3735.317 | 1811.825 | 996.085 | 594.258 | 378.201 | 252.974 | 176.035 | 126.508 | 93.383 | 56.454 | 36.365 | 24.595 | 17.289 | 12.542 | 9.338 | 7.224 | 5.691 |
| 45ДБ3 | 10918.825 | 4350.470 | 2110.207 | 1160.125 | 692.123 | 440.485 | 294.635 | 205.026 | 147.342 | 108.762 | 65.752 | 42.354 | 28.645 | 20.136 | 14.607 | 10.876 | 8.414 | 6.628 |
| 45ДБ4 | 12012.881 | 4786.382 | 2321.647 | 1276.369 | 761.473 | 484.621 | 324.157 | 225.569 | 162.105 | 119.660 | 72.340 | 46.598 | 31.515 | 22.154 | 16.071 | 11.966 | 9.257 | 7.292 |
| 45ДБ5 | 13465.444 | 5365.138 | 2602.374 | 1430.703 | 853.548 | 543.220 | 363.353 | 252.844 | 181.706 | 134.128 | 81.087 | 52.233 | 35.326 | 24.833 | 18.014 | 13.413 | 10.377 | 8.174 |

Примечание:

- Описание таблицы приведено в п. 6.4.9 руководства
- Настоящая таблица действительна для сечений любой стали по ГОСТ 27772
- Промежуточные значения допустимо определять линейной интерполяцией

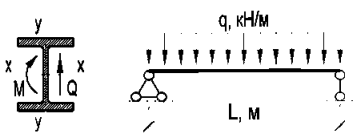


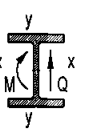
Таблица 6.4.5

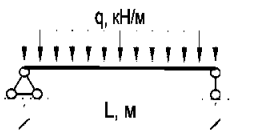
| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 45ДБ6 | 10780.281 | 4295.268 | 2083.431 | 1145.405 | 683.341 | 434.896 | 290.896 | 202.424 | 145.472 | 107.382 | 64.917 | 41.817 | 28.282 | 19.881 | 14.422 | 10.738 | 8.307 | 6.544 |
| 45ДБ7 | 12229.252 | 4872.593 | 2363.464 | 1299.358 | 775.189 | 493.350 | 329.996 | 229.632 | 165.025 | 121.815 | 73.643 | 47.437 | 32.083 | 22.553 | 16.360 | 12.181 | 9.424 | 7.424 |
| 45ДБ8 | 13604.838 | 5420.678 | 2629.314 | 1445.514 | 862.384 | 548.844 | 367.115 | 255.462 | 183.587 | 135.517 | 81.927 | 52.773 | 35.692 | 25.090 | 18.200 | 13.552 | 10.484 | 8.259 |
| 45ДБ9 | 15056.412 | 5999.039 | 2909.850 | 1599.744 | 954.397 | 607.403 | 406.284 | 282.718 | 203.175 | 149.976 | 90.668 | 58.404 | 39.500 | 27.767 | 20.142 | 14.998 | 11.603 | 9.140 |
| 45ДБ10 | 16362.883 | 6519.586 | 3162.342 | 1738.556 | 1037.211 | 660.108 | 441.538 | 307.250 | 220.805 | 162.990 | 98.535 | 63.472 | 42.927 | 30.176 | 21.890 | 16.299 | 12.609 | 9.933 |
| 45ДБ11 | 17951.042 | 7152.368 | 3469.275 | 1907.298 | 1137.882 | 724.177 | 484.393 | 337.072 | 242.236 | 178.809 | 108.099 | 69.632 | 47.094 | 33.105 | 24.015 | 17.881 | 13.833 | 10.897 |
| 53ДБ3 | 20312.346 | 8093.201 | 3925.628 | 2158.187 | 1287.560 | 819.437 | 548.111 | 381.410 | 274.100 | 202.330 | 122.318 | 78.792 | 53.289 | 37.460 | 27.174 | 20.233 | 15.653 | 12.330 |
| 53ДБ4 | 22686.070 | 9038.981 | 4384.382 | 2410.395 | 1438.026 | 915.197 | 612.164 | 425.983 | 306.132 | 225.975 | 136.612 | 88.000 | 59.516 | 41.838 | 30.349 | 22.597 | 17.482 | 13.771 |
| 53ДБ5 | 24534.980 | 9775.656 | 4741.708 | 2606.842 | 1555.225 | 989.785 | 662.055 | 460.700 | 331.082 | 244.391 | 147.746 | 95.172 | 64.366 | 45.247 | 32.823 | 24.439 | 18.907 | 14.894 |
| 53ДБ6 | 27973.013 | 11145.497 | 5406.153 | 2972.133 | 1773.155 | 1128.482 | 754.827 | 525.257 | 377.475 | 278.637 | 168.450 | 108.508 | 73.386 | 51.588 | 37.422 | 27.864 | 21.556 | 16.981 |
| 53ДБ7 | 31650.188 | 12610.622 | 6116.815 | 3362.833 | 2006.244 | 1276.825 | 854.053 | 594.304 | 427.096 | 315.266 | 190.593 | 122.772 | 83.033 | 58.369 | 42.341 | 31.527 | 24.390 | 19.213 |
| 60ДБ1 | 20581.105 | 8200.284 | 3977.569 | 2186.742 | 1304.596 | 830.279 | 555.363 | 386.457 | 277.727 | 205.007 | 123.937 | 79.834 | 53.994 | 37.956 | 27.533 | 20.501 | 15.860 | 12.494 |
| 60ДБ2 | 23761.409 | 9467.436 | 4592.205 | 2524.650 | 1506.190 | 958.578 | 641.181 | 446.174 | 320.643 | 236.686 | 143.088 | 92.171 | 62.337 | 43.821 | 31.788 | 23.669 | 18.311 | 14.424 |
| 60ДБ3 | 28072.332 | 11185.070 | 5425.348 | 2982.685 | 1779.451 | 1132.488 | 757.507 | 527.122 | 378.816 | 279.627 | 169.048 | 108.893 | 73.647 | 51.771 | 37.555 | 27.963 | 21.633 | 17.041 |
| 60ДБ4 | 32187.205 | 12824.590 | 6220.601 | 3419.891 | 2040.285 | 1298.490 | 868.544 | 604.388 | 434.343 | 320.615 | 193.827 | 124.855 | 84.442 | 59.360 | 43.060 | 32.061 | 24.804 | 19.539 |
| 60ДБ5 | 36227.767 | 14434.501 | 7001.493 | 3849.200 | 2296.408 | 1461.493 | 977.575 | 680.259 | 488.867 | 360.863 | 218.159 | 140.528 | 95.042 | 66.811 | 48.465 | 36.086 | 27.918 | 21.992 |
| 60ДБ6 | 41167.136 | 16402.531 | 7956.091 | 4374.008 | 2609.505 | 1660.756 | 1110.859 | 773.007 | 555.520 | 410.063 | 247.903 | 159.688 | 108.000 | 75.920 | 55.073 | 41.006 | 31.724 | 24.990 |
| | Тип ДК - Дополнительные колонные двутавры | | | | | | | | | | | | | | | | | |
| 10ДК1 | 128.313 | 51.125 | 24.798 | 13.633 | 8.133 | 5.176 | 3.462 | 2.409 | 1.731 | 1.278 | 0.773 | 0.498 | 0.337 | 0.237 | 0.172 | 0.128 | 0.099 | 0.078 |
| 10ДК2 | 165.446 | 65.920 | 31.975 | 17.579 | 10.487 | 6.674 | 4.464 | 3.107 | 2.233 | 1.648 | 0.996 | 0.642 | 0.434 | 0.305 | 0.221 | 0.165 | 0.127 | 0.100 |
| 10ДК3 | 420.234 | 167.437 | 81.216 | 44.650 | 26.638 | 16.953 | 11.340 | 7.891 | 5.671 | 4.186 | 2.531 | 1.630 | 1.102 | 0.775 | 0.562 | 0.419 | 0.324 | 0.255 |
| 12ДК1 | 223.536 | 89.065 | 43.201 | 23.751 | 14.170 | 9.018 | 6.032 | 4.197 | 3.016 | 2.227 | 1.346 | 0.867 | 0.586 | 0.412 | 0.299 | 0.223 | 0.172 | 0.136 |
| 12ДК2 | 317.657 | 126.566 | 61.391 | 33.751 | 20.136 | 12.815 | 8.572 | 5.965 | 4.287 | 3.164 | 1.913 | 1.232 | 0.833 | 0.586 | 0.425 | 0.316 | 0.245 | 0.193 |
| 12ДК3 | 741.935 | 295.615 | 143.389 | 78.831 | 47.030 | 29.931 | 20.020 | 13.932 | 10.012 | 7.390 | 4.468 | 2.878 | 1.946 | 1.368 | 0.993 | 0.739 | 0.572 | 0.450 |
| 14ДК1 | 379.791 | 151.323 | 73.400 | 40.353 | 24.074 | 15.321 | 10.248 | 7.131 | 5.125 | 3.783 | 2.287 | 1.473 | 0.996 | 0.700 | 0.508 | 0.378 | 0.293 | 0.231 |
| 14ДК2 | 554.797 | 221.052 | 107.222 | 58.947 | 35.167 | 22.381 | 14.971 | 10.418 | 7.487 | 5.526 | 3.341 | 2.152 | 1.455 | 1.023 | 0.742 | 0.553 | 0.428 | 0.337 |
| 14ДК3 | 1209.964 | 482.095 | 233.841 | 128.559 | 76.697 | 48.812 | 32.650 | 22.720 | 16.328 | 12.052 | 7.286 | 4.693 | 3.174 | 2.231 | 1.619 | 1.205 | 0.932 | 0.734 |

| Про-филь | Значения предельной $q$, кН/м при пролёте $L$, м в плоскости с большей жёсткостью $y$-$y$, в зависимости от $f_{max}=f_u$ для шарнирно опёртых балок 2-го класса | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 |
| 15ДК1 | 446.025 | 177.713 | 86.200 | 47.390 | 28.273 | 17.993 | 12.036 | 8.375 | 6.019 | 4.443 | 2.686 | 1.730 | 1.170 | 0.823 | 0.597 | 0.444 | 0.344 | 0.271 |
| 15ДК2 | 633.295 | 252.329 | 122.393 | 67.288 | 40.143 | 25.548 | 17.089 | 11.892 | 8.546 | 6.308 | 3.814 | 2.457 | 1.661 | 1.168 | 0.847 | 0.631 | 0.488 | 0.384 |
| 15ДК3 | 819.022 | 326.329 | 158.287 | 87.021 | 51.916 | 33.041 | 22.101 | 15.379 | 11.052 | 8.158 | 4.932 | 3.177 | 2.149 | 1.510 | 1.096 | 0.816 | 0.631 | 0.497 |
| 16ДК1 | 615.092 | 245.076 | 118.875 | 65.354 | 38.990 | 24.814 | 16.598 | 11.550 | 8.300 | 6.127 | 3.704 | 2.386 | 1.614 | 1.134 | 0.823 | 0.613 | 0.474 | 0.373 |
| 16ДК2 | 916.205 | 365.050 | 177.069 | 97.347 | 58.076 | 36.961 | 24.723 | 17.204 | 12.364 | 9.126 | 5.517 | 3.554 | 2.404 | 1.690 | 1.226 | 0.913 | 0.706 | 0.556 |
| 16ДК3 | 1874.322 | 746.800 | 362.237 | 199.147 | 118.810 | 75.614 | 50.577 | 35.195 | 25.293 | 18.670 | 11.287 | 7.271 | 4.917 | 3.457 | 2.507 | 1.867 | 1.444 | 1.138 |
| 18ДК1 | 922.823 | 367.687 | 178.348 | 98.050 | 58.496 | 37.228 | 24.902 | 17.328 | 12.453 | 9.192 | 5.557 | 3.580 | 2.421 | 1.702 | 1.235 | 0.919 | 0.711 | 0.560 |
| 18ДК2 | 1408.499 | 561.199 | 272.211 | 149.653 | 89.282 | 56.821 | 38.007 | 26.448 | 19.007 | 14.030 | 8.482 | 5.464 | 3.695 | 2.598 | 1.884 | 1.403 | 1.085 | 0.855 |
| 18ДК3 | 2751.188 | 1096.176 | 531.703 | 292.314 | 174.392 | 110.988 | 74.238 | 51.660 | 37.125 | 27.404 | 16.567 | 10.672 | 7.218 | 5.074 | 3.681 | 2.740 | 2.120 | 1.670 |
| 20ДК1 | 1671.265 | 665.895 | 322.994 | 177.572 | 105.938 | 67.422 | 45.098 | 31.382 | 22.552 | 16.647 | 10.064 | 6.483 | 4.384 | 3.082 | 2.236 | 1.665 | 1.288 | 1.015 |
| 20ДК2 | 1938.431 | 772.344 | 374.627 | 205.958 | 122.873 | 78.200 | 52.307 | 36.398 | 26.158 | 19.309 | 11.673 | 7.519 | 5.085 | 3.575 | 2.593 | 1.931 | 1.494 | 1.177 |
| 20ДК3 | 2247.863 | 895.633 | 434.429 | 238.835 | 142.488 | 90.683 | 60.657 | 42.209 | 30.333 | 22.391 | 13.536 | 8.720 | 5.897 | 4.146 | 3.007 | 2.239 | 1.732 | 1.365 |
| 20ДК4 | 2817.102 | 1122.439 | 544.442 | 299.317 | 178.571 | 113.647 | 76.017 | 52.897 | 38.015 | 28.061 | 16.964 | 10.928 | 7.391 | 5.195 | 3.769 | 2.806 | 2.171 | 1.710 |
| 20ДК5 | 3482.412 | 1387.524 | 673.022 | 370.006 | 220.743 | 140.487 | 93.970 | 65.390 | 46.993 | 34.688 | 20.971 | 13.508 | 9.136 | 6.422 | 4.659 | 3.469 | 2.684 | 2.114 |
| 20ДК6 | 4165.136 | 1659.546 | 804.967 | 442.546 | 264.020 | 168.029 | 112.393 | 78.210 | 56.205 | 41.489 | 25.082 | 16.157 | 10.927 | 7.681 | 5.572 | 4.149 | 3.210 | 2.528 |
| 25ДК1 | 4144.999 | 1651.523 | 801.076 | 440.406 | 262.743 | 167.217 | 111.849 | 77.832 | 55.934 | 41.288 | 24.961 | 16.079 | 10.874 | 7.644 | 5.545 | 4.129 | 3.194 | 2.516 |
| 25ДК2 | 4620.422 | 1840.949 | 892.957 | 490.920 | 292.880 | 186.396 | 124.678 | 86.759 | 62.349 | 46.024 | 27.824 | 17.923 | 12.121 | 8.521 | 6.181 | 4.602 | 3.561 | 2.805 |
| 25ДК3 | 5240.573 | 2088.041 | 1012.810 | 556.811 | 332.190 | 211.414 | 141.412 | 98.404 | 70.718 | 52.201 | 31.558 | 20.328 | 13.748 | 9.665 | 7.011 | 5.220 | 4.038 | 3.181 |
| 25ДК4 | 6018.211 | 2397.881 | 1163.098 | 639.435 | 381.483 | 242.785 | 162.396 | 113.006 | 81.211 | 59.947 | 36.241 | 23.345 | 15.789 | 11.099 | 8.051 | 5.995 | 4.638 | 3.653 |

Примечание:

- Описание таблицы приведено в п. 6.4.9 руководства
- Настоящая таблица действительна для сечений любой стали по ГОСТ 27772
- Промежуточные значения допустимо определять линейной интерполяцией



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