
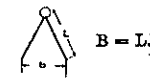


Table No. 22.—Galvanized-wire-rope Slings.

TABLE OF SAFE-WORKING LOADS FOR GALVANIZED-WIRE-ROPE SLINGS ON WHICH THE LOAD IS CARRIED ON TWO PARTS OR LEGS OF THE SLING, MADE OF ROPE HAVING THE BREAKING-LOAD SPECIFIED IN APPENDIX III.

| Size of Rope. | | Safe-working Loads for various Distances between Legs. | | | | | | | | | | | |
|---------------------------|------------------------------------|---|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|--|--------------------------|----------------------------|--------------------------|----------------------------|--------------------------|
| | |  Legs Parallel. | | | | | |  B = L. | | | | | |
| Circumference, in Inches. | Diameter, in Inches (approximate). | Strands and Wires 6/12. | | Strands and Wires 6/24. | | Strands and Wires 6/30. | | Strands and Wires 6/12. | | Strands and Wires 6/24. | | Strands and Wires 6/30. | |
| | | Working-load, in Tons, &c. | Working-load, in Pounds. | Working-load, in Tons, &c. | Working-load, in Pounds. | Working-load, in Tons, &c. | Working-load, in Pounds. | Working-load, in Tons, &c. | Working-load, in Pounds. | Working-load, in Tons, &c. | Working-load, in Pounds. | Working-load, in Tons, &c. | Working-load, in Pounds. |
| 1 | 5/16 | T. cwt. qr. lb. | | T. cwt. qr. lb. | | T. cwt. qr. lb. | | T. cwt. qr. lb. | | T. cwt. qr. lb. | | T. cwt. qr. lb. | |
| | 13/32 | 0 11 1 20 | 1,280 | 0 14 3 12 | 1,664 | 0 14 3 12 | 1,664 | 0 9 3 17 | 1,109 | 0 12 3 13 | 1,441 | 0 12 3 13 | 1,441 |
| | 16/32 | 0 17 2 24 | 1,984 | 1 5 0 16 | 2,816 | 1 0 2 8 | 2,304 | 0 15 1 10 | 1,718 | 1 1 3 2 | 2,438 | 0 17 3 7 | 1,995 |
| | 9/16 | 1 7 1 20 | 3,072 | 1 14 3 12 | 3,904 | 1 10 3 8 | 3,452 | 1 3 3 0 | 2,660 | 1 10 0 21 | 3,381 | 1 6 2 22 | 2,990 |
| 2 | 5/8 | 2 7 1 20 | 5,312 | 3 4 0 0 | 7,168 | 2 17 0 16 | 6,400 | 2 1 0 8 | 4,600 | 2 15 1 20 | 6,208 | 2 9 1 27 | 5,543 |
| | 23/32 | 3 1 2 24 | 6,912 | 4 4 0 0 | 9,408 | 3 13 0 16 | 8,192 | 2 13 1 22 | 5,986 | 3 12 3 0 | 8,148 | 3 3 1 11 | 7,095 |
| | 13/10 | 3 15 1 20 | 8,448 | 5 1 0 16 | 11,328 | 4 6 3 12 | 9,728 | 3 5 1 8 | 7,316 | 4 7 2 10 | 9,810 | 3 15 0 25 | 8,425 |
| | 7/8 | 4 6 3 12 | 9,728 | 6 0 2 8 | 13,504 | 5 12 0 0 | 12,544 | 3 15 0 23 | 8,423 | 5 4 1 19 | 11,695 | 4 16 3 27 | 10,863 |
| 3 | 15/16 | 5 6 1 4 | 11,904 | 7 6 3 12 | 16,448 | 6 14 1 4 | 15,040 | 4 12 0 5 | 10,309 | 6 7 0 20 | 14,244 | 5 16 1 5 | 13,025 |
| | 11/32 | 6 4 0 0 | 13,888 | 8 9 2 24 | 19,008 | 7 6 1 4 | 16,384 | 5 7 1 15 | 12,027 | 7 6 3 25 | 16,461 | 6 6 2 21 | 14,189 |
| | 11/8 | 7 6 3 12 | 16,448 | 10 1 0 16 | 22,528 | 8 12 0 0 | 19,264 | 6 7 0 20 | 14,244 | 8 14 0 22 | 19,510 | 7 8 3 23 | 16,683 |
| | 13/10 | 8 7 1 20 | 18,752 | 11 8 0 0 | 25,536 | 9 19 1 20 | 22,336 | 7 5 0 0 | 16,240 | 9 17 1 26 | 22,115 | 8 12 2 23 | 19,343 |
| 4 | 19/32 | 9 9 2 24 | 21,248 | 12 16 2 8 | 28,736 | 11 9 0 16 | 25,664 | 8 4 1 05 | 18,401 | 11 2 0 22 | 24,886 | 9 18 1 22 | 22,226 |
| | 11/32 | 10 8 0 0 | 23,296 | 14 14 1 4 | 32,960 | 13 0 2 8 | 29,184 | 9 0 0 15 | 20,175 | 12 14 3 12 | 28,544 | 11 5 2 18 | 25,274 |
| | 17/16 | 12 7 1 20 | 27,712 | 16 14 3 10 | 37,502 | 14 13 2 24 | 32,896 | 10 14 1 3 | 23,999 | 14 9 3 25 | 32,477 | 12 14 1 14 | 28,490 |
| | 11/2 | 13 8 2 8 | 30,080 | 18 9 0 16 | 41,344 | 16 9 0 16 | 36,864 | 11 12 2 10 | 26,050 | 15 19 2 21 | 35,805 | 14 5 0 5 | 31,925 |
| 5 | 110/32 | 15 1 2 24 | 33,792 | 20 5 0 14 | 45,374 | 18 6 3 12 | 41,088 | 13 1 1 5 | 29,265 | 17 10 3 13 | 39,295 | 15 17 2 23 | 35,583 |
| | 111/16 | .. | .. | 22 2 3 10 | 49,598 | 20 6 3 12 | 45,568 | .. | .. | 19 3 2 1 | 42,953 | 17 12 1 11 | 39,463 |
| | 13/4 | .. | .. | 24 2 1 4 | 54,016 | 21 17 2 24 | 49,024 | .. | .. | 20 17 2 19 | 46,779 | 18 19 0 8 | 42,456 |
| | 127/32 | .. | .. | 26 2 3 12 | 58,560 | 23 10 1 4 | 52,872 | .. | .. | 22 12 3 6 | 50,714 | 20 7 1 3 | 45,615 |
| 6 | 129/32 | .. | .. | 28 6 1 4 | 63,424 | 26 6 1 4 | 58,944 | .. | .. | 24 10 1 19 | 54,927 | 22 15 3 3 | 51,047 |
| | 2 | .. | .. | 29 17 0 16 | 66,880 | 28 1 2 24 | 62,912 | .. | .. | 25 17 0 16 | 57,920 | 24 6 1 23 | 54,483 |
| | 23/32 | .. | .. | 32 1 2 24 | 71,872 | 29 18 1 4 | 67,008 | .. | .. | 27 15 2 27 | 62,243 | 25 18 0 14 | 58,030 |
| | 25/32 | .. | .. | 34 7 1 20 | 76,992 | 31 15 1 20 | 71,168 | .. | .. | 29 15 1 9 | 66,677 | 27 10 1 5 | 61,633 |
| 7 | 27/32 | .. | .. | 37 6 3 12 | 83,648 | 34 5 2 24 | 76,800 | .. | .. | 32 6 3 5 | 72,441 | 29 13 3 11 | 66,511 |
| | 23/8 | .. | .. | .. | .. | 37 13 0 16 | 84,352 | .. | .. | .. | .. | 32 12 0 27 | 73,051 |
| 8 | 217/32 | .. | .. | .. | .. | 42 10 1 4 | 95,232 | .. | .. | .. | .. | 36 16 1 13 | 82,473 |