

Galvanized strand products



Our galvanized strand products meet or exceed ASTM Specifications A475 and ASTM A363. Strands are tested for:

- > Minimum breaking force.
- > Elongation (High Strength 5%; Extra High Strength and Utilities Grade 4%).
- > Individual wire tolerances.
- > Wire coating weight – ASTM Method A90.
- > Wire wrap test for coating adherence.
- > Wire wrap test for steel ductility.
- > Preforming check.

PHYSICAL PROPERTIES OF ZINC-COATED STEEL WIRE STRAND

| Nominal diameter of strand (in.) | Number of wires | Nominal diameter of coated wires (in.) | Approx. weight of strand (lb./1000 ft.) | Minimum breaking force of strand (lb.) | | |
|----------------------------------|-----------------|--|---|--|---------------------|---------------------------|
| | | | | UTILITIES GRADE | HIGH STRENGTH GRADE | EXTRA-HIGH STRENGTH GRADE |
| 3/16 | 7 | .062 | 73 | - | 2,850 | 3,990 |
| 7/32 | 7 | .072 | 98 | - | 3,850 | 5,400 |
| 1/4 | 7 | .080 | 121 | - | 4,750 | 6,650 |
| 9/32 | 7 | .093 | 164 | - | 6,400 | 8,950 |
| 5/16 | 7 | .104 | 205 | - | 8,000* | 11,200* |
| 3/8 | 7 | .120 | 273 | 11,500* | 10,800* | 15,400* |
| 7/16 | 7 | .145 | 399 | 18,000 | 14,500* | 20,800* |
| 1/2 | 7 | .165 | 517 | 25,000 | 18,800* | 26,900* |
| 1/2 | 19 | .100 | 504 | - | 19,100 | 26,700 |
| 9/16 | 7 | .188 | 671 | - | 24,500 | 35,000 |
| 9/16 | 19 | .113 | 637 | - | 24,100 | 33,700 |
| 5/8 | 7 | .207 | 813 | - | 29,600 | 42,400 |
| 5/8 | 19 | .125 | 796 | - | 28,100 | 40,200 |
| 3/4 | 19 | .150 | 1,155 | - | 40,800 | 58,300 |
| 7/8 | 19 | .177 | 1,581 | - | 55,800 | 79,700 |
| 1 | 19 | .200 | 2,073 | - | 73,200 | 104,500 |
| 1 1/8 | 37 | .161 | 2,691 | - | 91,600 | 130,800 |
| 1 1/4 | 37 | .179 | 3,248 | - | 113,600 | 162,200 |

*ASTM A363 (weldless) is also available in these sizes and grades upon request.