


Swivel Hook
Eye Hook
Oval Hook
Breaking Strength of New Wire Rope (lb)

| wire rope diameter | | 7 x 19 Galvanized Aircraft Cable | 7 x 19 304 Stainless Steel wire rope |
|--------------------|-------|----------------------------------|--------------------------------------|
| 1/8 in | (.13) | 2,000 | 1,760 |
| 3/16 in | (.19) | 4,200 | 3,700 |
| 1/4 in | (.25) | 7,000 | 6,400 |
| 5/16 in | (.31) | 9,800 | 9,000 |
| 3/8 in | (.38) | 14,400 | 12,000 |

Values shown are for reference only. When selecting a wire rope, use the breaking strength specified by the rope manufacturer.

Breaking Strength of New Wire Rope (lb)

| wire rope diameter | | 6 x 37 IWRC IPS (Improved Plow Steel) wire rope | 6 x 37 IWRC EIPS (Extra Improved Plow Steel) wire rope |
|--------------------|--------|---|--|
| 3/8 in | (.38) | 12,400 | 15,100 |
| 7/16 in | (.44) | 16,500 | 20,400 |
| 1/2 in | (.50) | 23,000 | 26,600 |
| 9/16 in | (.56) | 29,000 | 33,600 |
| 5/8 in | (.63) | 35,800 | 41,200 |
| 3/4 in | (.75) | 51,200 | 58,800 |
| 7/8 in | (.88) | 69,200 | 79,600 |
| 1 in | (1.00) | 89,800 | 103,400 |
| 1-1/8 in | (1.13) | 113,000 | 130,000 |
| 1-1/4 in | (1.25) | 138,800 | 159,800 |
| 1-1/2 in | (1.50) | 197,800 | 228,000 |

Values shown are for reference only. When selecting a wire rope, use the breaking strength specified by the rope manufacturer.

Important:

It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it.

Wire Rope Assemblies
How to Order Wire Rope

Thern winches are sold without wire rope.

Order wire rope separately from the factory or a reputable supplier. The breaking strength of new wire rope should be 5 times the size of the largest load for lifting applications, and 3 times the size of the largest load for pulling applications. Contact a reputable wire rope supplier for more information.

Wire Rope Assemblies – Section 9

| model number | wire rope diameter x length | approx. ship weight |
|--|-----------------------------|---------------------|
| galvanized aircraft cable with swivel hook and swaged ball fitting | | |
| WA19-20NS | 3/16 in x 20 ft | 3 lb |
| WA19-28NS | 3/16 in x 28 ft | 4 lb |
| WA19-36NS | 3/16 in x 36 ft | 4 lb |
| WA19-45NS | 3/16 in x 45 ft | 7 lb |
| WA25-20NS | 1/4 in x 20 ft | 4 lb |
| WA25-28NS | 1/4 in x 28 ft | 5 lb |
| WA25-36NS | 1/4 in x 36 ft | 6 lb |
| WA25-45NS | 1/4 in x 45 ft | 7 lb |
| WA25-60NS | 1/4 in x 60 ft | 9 lb |
| WA25-75NS | 1/4 in x 75 ft | 11 lb |

galvanized aircraft cable with swivel hook and unfinished end

| | | |
|-----------|-----------------|-------|
| WA31-20DS | 5/16 in x 20 ft | 6 lb |
| WA31-28DS | 5/16 in x 28 ft | 7 lb |
| WA31-36DS | 5/16 in x 36 ft | 8 lb |
| WA31-45DS | 5/16 in x 45 ft | 10 lb |
| WA31-60DS | 5/16 in x 60 ft | 12 lb |
| WA31-75DS | 5/16 in x 75 ft | 15 lb |

304 stainless steel wire rope with SS oval hook and swaged ball fitting - swivel hook also available please call factory

| | | |
|-----------|-----------------|-------|
| WS19-20NO | 3/16 in x 20 ft | 3 lb |
| WS19-28NO | 3/16 in x 28 ft | 3 lb |
| WS19-36NO | 3/16 in x 36 ft | 4 lb |
| WS19-45NO | 3/16 in x 45 ft | 7 lb |
| WS19-60NO | 3/16 in x 60 ft | 9 lb |
| WS19-75NO | 3/16 in x 75 ft | 11 lb |

304 stainless steel wire rope with SS eye hook and swaged ball fitting - swivel hook also available please call factory

| | | |
|-----------|----------------|-------|
| WS25-20NE | 1/4 in x 20 ft | 5 lb |
| WS25-28NE | 1/4 in x 28 ft | 5 lb |
| WS25-36NE | 1/4 in x 36 ft | 6 lb |
| WS25-45NE | 1/4 in x 45 ft | 7 lb |
| WS25-60NE | 1/4 in x 60 ft | 9 lb |
| WS25-75NE | 1/4 in x 75 ft | 11 lb |

304 stainless steel wire rope with SS eye hook and unfinished end - swivel hook also available please call factory

| | | |
|-----------|-----------------|-------|
| WS31-20DE | 5/16 in x 20 ft | 6 lb |
| WS31-28DE | 5/16 in x 28 ft | 7 lb |
| WS31-36DE | 5/16 in x 36 ft | 9 lb |
| WS31-45DE | 5/16 in x 45 ft | 11 lb |
| WS31-60DE | 5/16 in x 60 ft | 14 lb |
| WS31-75DE | 5/16 in x 75 ft | 17 lb |

Please contact factory or nearest Thern Distributor for firm fixed price and delivery.