


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
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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.