



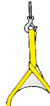



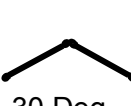


Rigger's Capacity Card

Shackles / Screw Pin Anchor Type				Forged Eye Bolts / Shoulder Nut			
Nominal Shackle Size (Inches)	Working Load Limit (Pounds)	Nominal Shackle Size (Inches)	Working Load Limit (Pounds)	Shank Size (Inches)	 90 Deg. To Horiz.	 60 Deg. To Horiz.	 45 Deg. To Horiz.
3/16	660	1	17000	1/4	500	175	125
1/4	1000	1 1/8	19000	5/16	800	280	200
5/16	1500	1 1/4	24000	3/8	1200	420	300
3/8	2000	1 3/8	27000	1/2	2200	770	550
7/16	3000	1 1/2	34000	5/8	3500	1225	875
1/2	4000	1 3/4	50000	3/4	5200	1820	1300
5/8	6500	2	70000	7/8	7200	2520	1800
3/4	9500	2 1/4	80000	1	10000	3500	2500
7/8	13000	2 1/2	110000	1 1/4	15200	5320	3800
				1 1/2	21400	7490	5350

Wire Rope Slings 6 x 19 or 6 x 37 IWRC IPS

Rope Diameter (Inches)	 Vertical (1)	 Choker (1)	 Vertical Basket (2)	 60 Deg. To Horiz.	 45 Deg. To Horiz.	 30 Deg. To Horiz.	Rope Diameter (Inches)
1/4	1120	840	2200	1940	1580	1120	1/4
3/8	2400	1860	5000	4200	3600	2400	3/8
1/2	4400	3200	8800	7600	6200	4400	1/2
5/8	6800	5000	13600	11800	9600	6800	5/8
3/4	9800	7200	19400	16800	13800	9800	3/4
7/8	13200	9800	26000	22000	18600	13200	7/8
1	17000	12800	34000	30000	24000	17000	1
1 1/8	20000	15600	42000	36600	30000	20000	1 1/8
1 1/4	24000	18400	48000	42000	34000	24000	1 1/4
1 3/8	30000	22000	58000	50000	42000	30000	1 3/8
1 1/2	34000	26000	70000	60000	50000	34000	1 1/2
1 5/8	40000	30000	82000	70000	58000	40000	1 5/8
1 3/4	48000	36000	94000	82000	66000	48000	1 3/4
2	60000	46000	122000	106000	86000	60000	2

Notes: (1) These values are based on slings used vertically. If they are not used vertically the rated load/capacity must be reduced. (2) These values only apply when the D/d ratio is 25 or greater where D = Diameter of the curvature around which the body of the sling is bent and d = the diameter of the rope.

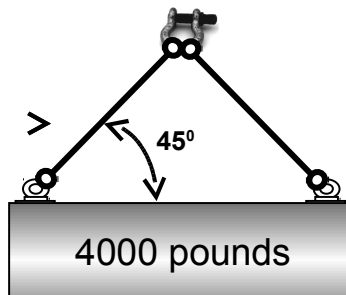
Determining Sling Load

Steps:

1. Determine sling angle.
2. Select the corresponding Load Angle Factor.
3. Multiply the weight of the load by the Load Angle Factor to determine the load on each sling leg.

Example:

1. The sling angle = 45 degrees.
2. The Load Angle Factor = 0.71
3. 4000 x 0.71 = 2840 pounds per sling leg.



Sling Angle	Load Angle Factor
5	5.75
10	2.88
15	1.93
20	1.47
25	1.19
30	1.00
35	0.88
40	0.78
45	0.71
50	0.66
55	0.61
60	0.58
65	0.56
70	0.54
75	0.52
80	0.51

Rigger's Capacity Card

		85	0.51
		90	0.50