

Nylon Slings

TECHNICAL INFORMATION

Rated Capacity

The rated capacities of the nylon slings in this catalog are given in pounds. Refer to the maximum recommended weight for which the sling is to be used in one of the standard types of lifts as illustrated:

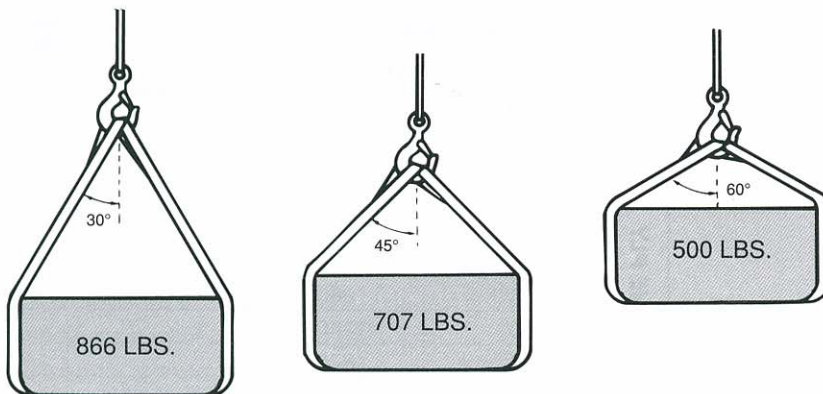
Effect of Angle

When slings are used at an angle (i.e. – two slings or one sling in a basket attached to only one crane hook), sling capacity is reduced. How much it is reduced depends on the degree of the angle. You can determine whether a sling will be rated high enough if you know the angle between the sling leg and the vertical. Once you know this angle, multiply the sling's rating by the appropriate factor in the table. This will give you the sling's reduced rating.

Angle Degrees	Factor
0	1.0000
5	0.9962
10	0.9848
15	0.9659
20	0.9397
25	0.9063
30	0.8660
35	0.8192

Angle Degrees	Factor
40	0.7660
45	0.7071
50	0.6428
55	0.5736
60	0.5000
65	0.4226
70	0.3420
75	0.2588

SLING CAPACITY DECREASES AS THE ANGLE INCREASES.

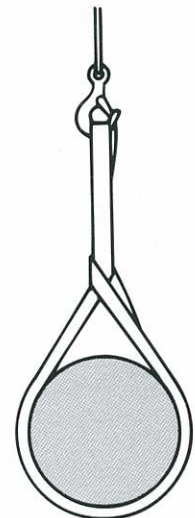


A sling capable of lifting 1,000 lbs. in a 0° vertical basket hitch, can only lift 866 lbs. at a 30° angle, 707 lbs. at a 45° angle and 500 lbs. at a 60° angle.

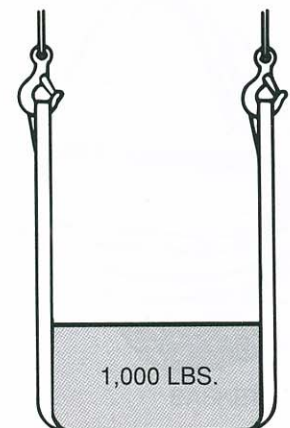
CAUTION!
DO NOT EXCEED RATED CAPACITIES



Vertical Hitch



Choker Hitch



Basket Hitch

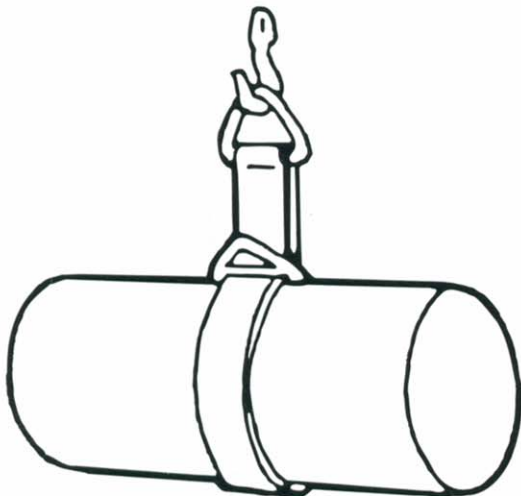
DO NOT EXCEED WORK LOAD LIMIT OR 20% OF THE PRODUCT'S BREAK STRENGTH.

Nylon Slings

CHOKER & TRIANGLE



**TYPE
1**



Ply	Web Width	Rated Capacity in Lbs.*		
		Vertical	Choker	Basket
ONE PLY	2"	3200	2550	6400
	3"	4800	3800	9600
	4"	6500	5200	13000
	5"	8000	6400	16000
	6"	9600	7650	19200
	8"	12400	9900	24800
	10"	16700	13350	33400
	12"	21000	16000	42000
TWO PLY	2"	5600	4450	11200
	3"	8400	6700	16800
	4"	11200	8500	22400
	5"	14000	10500	28000
	6"	16800	12600	33600
	8"	22400	16800	44800
	10"	28000	21000	56000
	12"	32000	25000	64000

*Based on Heavy Duty 9800 Webbing

TRIANGLE HARDWARE is used predominantly for basket hitches. Triangles can be furnished in forged aluminum construction (one ply) and forged steel construction (two ply).

TRIANGLE & TRIANGLE



**TYPE
2**



Ply	Web Width	Rated Capacity in Lbs.*		
		Vertical	Choker	Basket
ONE PLY	2"	3200		6400
	3"	4800		9600
	4"	6500		13000
	5"	8000		16000
	6"	9600		19200
	8"	12400		24800
	10"	16700		33400
	12"	21000		42000
TWO PLY	2"	5600		11200
	3"	8400		16800
	4"	11200		22400
	5"	14000		28000
	6"	16800		33600
	8"	22400		44800
	10"	28000		56000
	12"	32000		64000

*Based on Heavy Duty 9800 Webbing

DO NOT EXCEED WORK LOAD LIMIT OR 20% OF THE PRODUCT'S BREAK STRENGTH.

Nylon Slings

FLAT EYE



TYPE 3

TWISTED EYE



TYPE 4

Ply	Web Width	Rated Capacities in Lbs.*		
		Vertical	Choker	V. Basket
ONE PLY	1	1600	1250	3200
	2	3200	2500	6400
	3	4800	3800	9600
	4	6400	5000	12800
	5	8000	6400	16000
	6	9600	7700	19200
	8	12800	10200	25600
	10	16000	12800	32000
TWO PLY	1	3200	2500	6400
	2	6400	5000	12800
	3	8600	6900	17200
	4	11500	9200	23000
	5	13600	10900	27200
	6	16300	13000	32600
	8	19200	15400	38400
	10	22400	17900	44800
12	26900	21500	53800	

Ply	Web Width	Rated Capacities in Lbs.*		
		Vertical	Choker	V. Basket
THREE PLY	1	4100	3300	8200
	2	8300	6600	16600
	3	12500	10000	25000
	4	16000	12800	32000
	5	19200	15400	38400
	6	23000	18400	46000
	8	30700	24500	61400
	10	36800	29400	73600
	12	44000	35200	88000
	FOUR PLY	1	5000	4000
2		10000	8000	20000
3		14900	11900	29800
4		19800	15800	39600
5		24800	19800	49600
6		29800	23800	59600
8		39700	31700	79400
10		49600	39600	99200
12		59500	47600	119000

***ALL STRENGTHS BASED ON 9800# WEBBING**

Nylon Slings

ENDLESS



**TYPE
5**

Ply	Web Width	Rated Capacities in Lbs.*		
		Vertical	Choker	V. Basket
ONE PLY	1	3200	2500	6400
	2	6400	5000	12800
	3	8600	6900	17200
	4	11500	9200	23000
	5	13600	10900	27200
	6	16300	13000	32600
	8	19200	15400	38400
	10	22400	17900	44800
	12	26900	21500	53800
TWO PLY	1	6200	4900	12400
	2	12200	9800	24400
	3	16300	13000	32600
	4	20700	16500	41400
	5	24500	19600	49000
	6	28600	23000	57200
	8	30700	24500	61400
	10	33600	26800	67200
	12	37600	30000	75200

Ply	Web Width	Rated Capacities in Lbs.*		
		Vertical	Choker	V. Basket
THREE PLY	1	8000	6400	16000
	2	16000	12800	32000
	3	21500	17200	43000
	4	28700	23000	57400
	5	34000	27200	68000
	6	40700	32500	81400
	8	46000	36800	92000
	10	51500	41200	103000
	12	59200	47300	118400
FOUR PLY	1	10000	8000	20000
	2	19800	15800	39600
	3	26700	21300	53400
	4	35600	28400	71200
	5	42200	33700	84400
	6	50500	40400	101000
	8	57600	46000	115200
	10	67200	53700	134400
	12	80700	64500	161400