

WIRE ROPE SLINGS

Working load limits for slings using fiber cored rope of classes 6x19 and 6x36, and having ferrule - secured eye terminations

Angle to the vertical	One leg sling 0°	Two leg sling 0° to 45° over 45° to 60°		Three and four leg sling 0° to 45° over 45° to 60°		Endless sling 0°
Nominal rope diameter mm	Direct Working load limits t	Direct	Direct	Direct	Direct	Choke hitch
8	0.70	0.95	0.70	1.50	1.05	1.10
9	0.85	1.20	0.85	1.80	1.30	1.40
10	1.05	1.50	1.05	2.25	1.60	1.70
11	1.30	1.80	1.30	2.70	1.95	2.12
12	1.55	2.12	1.55	3.30	2.30	2.50
13	1.80	2.50	1.80	3.85	2.70	2.90
14	2.12	3.00	2.12	4.35	3.15	3.30
16	2.70	3.85	2.70	5.65	4.20	4.35
18	3.40	4.80	3.40	7.20	5.20	5.65
20	4.35	6.00	4.35	9.00	6.50	6.90
22	5.20	7.20	5.20	11.00	7.80	8.40
24	6.30	8.80	6.30	13.50	9.40	10.00
26	7.20	10.00	7.20	15.00	11.00	11.80
28	8.40	11.80	8.40	18.00	12.50	13.50

Working load limits for slings using steel cored rope of classes 6x19, 6x36 and 8x36 and having ferrule - secured eye terminations

22	5.65	7.80	5.65	11.80	8.40	9.00
24	6.70	9.40	6.70	14.00	10.00	10.60
26	7.80	11.00	7.80	16.50	11.50	12.50
28	9.00	12.50	9.00	19.00	13.50	14.50
32	11.80	16.50	11.80	25.00	17.50	19.00
36	15.00	21.00	15.00	31.50	22.50	23.50
40	18.50	26.00	18.50	39.00	28.00	30.00
44	22.50	31.50	22.50	47.00	33.50	36.00
48	26.00	37.00	26.00	55.00	40.00	42.00
52	31.50	44.00	31.50	66.00	47.00	50.00
56	36.00	50.00	36.00	76.00	54.00	58.00
60	42.00	58.00	42.00	88.00	63.00	67.00
leg factor K ₁	1.00	1.40	1.00	2.10	1.50	1.60

NOTE 1 The working load limits (WLLs) given in the Table above are based on the assumption that soft eyes of single - leg slings are used over bearing points having diameters not less than twice the nominal diameter of the rope.


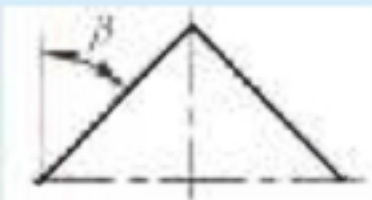

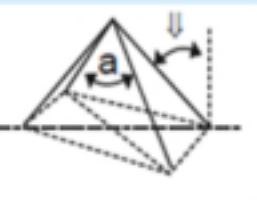
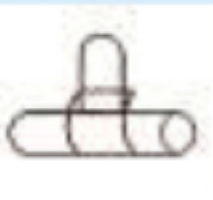
NOTE 2 The Table above shows working load limit values for ferrule - secured eye slings in various configurations. These values, which are based on the equation have been rounded for the convenience of the user.

POLYESTER LIFTING SLINGS

Flat Polyester Slings type DP (Double Ply)						Safety factor 7:1 Webbing from West Europe		
P1	1 T	30 mm	VIOLET	1000	2000	1400	800	1000
P2	2 T	60 mm	GREEN	2000	4000	2800	1600	2000
P3	3 T	90 mm	YELLOW	3000	6000	4200	2400	3000
P4	4 T	120 mm	GREY	4000	8000	5600	3200	4000
P5	5 T	150 mm	RED	5000	10000	7000	4000	5000
P6	6 T	180 mm	BROWN	6000	12000	8400	4800	6000
P8	8 T	240 mm	BLUE	8000	16000	11200	6400	8000

CHAIN SLINGS

Working Load Limits in Tonnes for chain slings grade 8, according to EN 818-4

	1-leg	2-leg		3-legged	4-legged	Choked endless sling
						
Chain dim. mm		b 0-45° a 0-90°	b 45-60° a 90-120°	b 0-45° a 0-90°	b 45-60° a 90-120°	
6	1.12	1.60	1.12	2.36	1.70	1.80
7	1.50	2.12	1.50	3.15	2.24	2.50
8	2.00	2.80	2.00	4.25	3.00	3.15
10	3.15	4.25	3.15	6.70	4.75	5.00
13	5.30	7.50	5.30	11.20	8.00	8.50
16	8.00	11.20	8.20	17.00	11.80	12.50
19	11.20	16.00	11.20	23.60	17.00	18.00
22	15.00	21.20	15.00	31.50	22.40	23.60
26	21.20	30.30	21.20	45.00	31.50	33.50
32	31.50	45.00	31.50	67.00	47.50	50.00

NOTES:

- 1) Lifting Slings (up to 6''X6m) are shrink packed.
- 2) Although the construction of all slings is according to the EN 1492-1, the name coloring only applies to the D.P. (double ply).
- 3) Each sling is supplied with an individual test certificate.
- 4) Single ply slings are normally supplied without eye protection.
- 5) Double ply and 4-ply slings are supplied with eye protection.