

Tusker® Wire Rope Sling Capacity Chart

Slings & Tie Down Equipment

Generally in accordance with SANS 7531

The data supplied applies to hand and mechanically spliced slings in the more popular rope diameters and configurations.		1 Leg - 1 Part 1		Leg - 1 Part		2 Legs - 1 Part Each				2 Legs - 1 Part Each	Endless	Max Permitted Angle 90°		
		6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	Endless	
ROPE CONSTRUCTION	Rope Diameter mm	Breaking Force kN	Vertical Lift	Choker Hitch	Halshing Sling	Cradle Sling	30°	60°	90°	120°	Reeving Sling	Double Cradle Wrap Sling	with Bight	Rope Diameter
			Est.	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1	6:1
6 x 36 (14/7 + 7/7/7) F 1800 Mpa RH Ordinary Lay	8	38	0.64	0.48	0.96	0.90	1.23	1.10	0.90	0.64	0.68	1.81	0.96	8
	10	61	1.03	0.77	1.55	1.45	1.98	1.78	1.45	1.03	1.09	2.91	2.91	10
	13	102.5	1.74	1.31	2.61	2.46	3.36	3.01	2.46	1.74	1.85	4.93	1.96	13
	16	156.3	2.66	1.99	3.98	3.74	5.13	4.59	3.74	2.66	2.81	7.51	2.99	16
	19	221.4	3.76	2.82	5.64	5.30	7.26	6.51	5.30	3.76	3.99	10.64	4.23	19
	20	242.2	4.12	3.09	6.18	5.81	7.95	7.12	5.81	4.12	4.37	11.65	4.63	20
	22	297	5.05	3.78	7.57	7.11	9.74	8.73	7.11	5.05	5.35	14.28	5.68	22
	24	342.2	5.81	4.36	8.72	8.20	11.22	10.06	8.20	5.81	6.16	16.45	6.54	24
	26	405.8	6.89	5.17	10.34	9.72	13.31	11.93	9.72	6.89	7.31	19.51	1.76	26
	28	479.7	8.15	6.11	12.22	11.49	15.73	14.10	11.49	8.15	8.64	23.06	9.17	28
	32	627.2	10.66	7.99	15.98	15.02	20.57	18.43	15.02	10.66	11.30	30.16	11.99	32
	6 x 36 (14/7 + 7/7/7)WRC 1800 Mpa RH Ordinary Lay	8	42	0.70	0.88	1.05	0.99	1.35	1.21	0.99	0.70	0.74	1.98	1.05
10		68	1.14	1.42	1.71	1.61	2.30	1.97	1.61	1.14	1.21	3.22	1.71	10
13		113.5	1.93	1.45	2.89	2.72	3.72	3.34	2.72	1.93	2.04	5.46	2.17	13
16		172.4	2.93	2.20	4.39	4.13	5.65	5.07	4.13	2.93	3.10	8.29	3.30	16
18		217.3	3.69	2.77	5.54	5.21	7.13	6.39	5.21	3.69	3.91	10.45	4.15	18
19		243.7	4.14	3.11	6.21	5.84	7.99	7.16	5.84	4.14	4.39	11.72	4.66	19
20		268.8	4.57	3.43	6.85	6.44	8.81	7.90	6.44	4.57	4.84	12.92	5.14	20
22		326.8	5.55	4.16	8.33	7.83	10.72	9.61	7.83	5.55	5.89	15.71	6.25	22
24		393.2	6.68	5.01	10.02	9.42	12.89	11.56	9.42	6.68	7.08	18.91	7.52	24
26		449.4	7.64	5.73	11.45	10.77	14.74	13.21	10.77	7.64	8.09	21.61	8.59	26
28		529	8.99	6.74	13.48	12.67	17.35	15.55	12.67	8.99	9.53	25.43	10.11	28
32		691	11.76	8.82	17.64	16.58	22.70	20.35	16.58	11.76	12.47	33.29	13.22	32
Load Factor of sling Assembly			1.00	0.75	1.50	1.41	1.93	1.73	1.41	1.00	1.06	2.83	1.50	