



# Tusker® Wire Rope Sling Capacity Chart

SLINGS & TIE DOWN EQUIPMENT

Generally in accordance with SANS 7531

ROPE CONSTRUCTION		1 Leg - 1 Part 1		Leg - 1 Part		2 Legs - 1 Part Each				2 Legs - 1 Part Each		Endless		Max Permitted Angle 90°	
		Vertical Lift	Choker Hitch	Halshing Sling	Cradle Sling	30°	60°	90°	120°	Reeving Sling	Double Cradle Wrap Sling	with Bight	Rope Diameter		
MINIMUM PERMITTED FACTOR OF SAFETY		Est.													
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	7.76	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		
8	42	0.70	0.88	1.05	0.99	1.35	1.21	0.99	0.70	0.74	1.98	1.05	8		
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			