

# WIRE ROPE SLINGS LOAD CHART

Manufactured to AS1666 SAFETY FACTOR OF 5



METHOD OF LOADING		DIRECT LOADED	CHOKE HITCH		BASKET HITCH						DIRECT LOADED	CHOKE HITCH			
			ROUND LOAD	RECTANG. LOAD	ROUND LOAD			OTHER THAN ROUND LOAD				ROUND LOAD	OTHER THAN ROUND LOAD		
ROPE	NOM. DIA. mm	MIN. BREAKING FORCE kN	SINGLE WRAP		DOUBLE WRAP		SINGLE WRAP		DOUBLE WRAP		SINGLE WRAP		DOUBLE WRAP		
			0°	60°	90°	120°	0°	60°	90°	120°	0 - 60°	90°	120°	0 - 45°	0 - 60°

**SAFE WORKING LOADS IN TONNES**

**SAFE WORKING LOADS UNDER GENERAL USE WITH 1570 GRADE WIRE AND FIBRE CORE WITH FERRULE-SECURED EYES**

8	28.2	0.55	0.41	0.27	1.09	0.94	0.77	0.55	0.55	0.48	0.39	0.27	0.94	0.77	0.55	0.71	0.71	0.48	0.48
9	35.6	0.69	0.52	0.34	1.38	1.19	0.97	0.69	0.69	0.60	0.49	0.34	1.19	0.97	0.69	0.90	0.90	0.60	0.60
10	44.0	0.85	0.64	0.43	1.70	1.47	1.20	0.85	0.85	0.74	0.61	0.43	1.47	1.20	0.85	1.11	1.11	0.74	0.74
11	53.2	1.03	0.77	0.52	2.1	1.78	1.45	1.03	1.03	0.90	0.73	0.52	1.78	1.45	1.03	1.34	1.34	0.90	0.90
12	63.3	1.23	0.92	0.61	2.5	2.1	1.73	1.23	1.23	1.07	0.87	0.61	2.1	1.73	1.23	1.59	1.59	1.07	1.07
13	74.3	1.44	1.08	0.72	2.9	2.5	2.0	1.44	1.44	1.25	1.02	0.72	2.5	2.0	1.44	1.87	1.87	1.25	1.25
14	86.2	1.67	1.25	0.83	3.3	2.9	2.4	1.67	1.67	1.45	1.19	0.83	2.9	2.4	1.67	2.2	2.2	1.45	1.45
16	113	2.2	1.64	1.09	4.4	3.8	3.1	2.2	2.2	1.90	1.55	1.09	3.8	3.1	2.2	2.8	2.8	1.90	1.90
18	143	2.8	2.1	1.38	5.5	4.8	3.9	2.8	2.8	2.4	1.97	1.38	4.8	3.9	2.8	3.6	3.6	2.4	2.4
20	176	3.4	2.6	1.70	6.8	5.9	4.8	3.4	3.4	3.0	2.4	1.70	5.9	4.8	3.4	4.4	4.4	3.0	3.0
22	213	4.1	3.1	2.1	8.3	7.1	5.8	4.1	4.1	3.6	2.9	2.1	7.1	5.8	4.1	5.4	5.4	3.6	3.6
24	253	4.9	3.7	2.5	9.8	8.5	6.9	4.9	4.9	4.3	3.5	2.5	8.5	6.9	4.9	6.4	6.4	4.3	4.3
26	297	5.8	4.3	2.9	11.5	10.0	8.1	5.8	5.8	5.0	4.1	2.9	10.0	8.1	5.8	7.5	7.5	5.0	5.0
28	345	6.7	5.0	3.3	13.4	11.6	9.4	6.7	6.7	5.8	4.7	3.3	11.6	9.4	6.7	8.7	8.7	5.8	5.8
32	450	8.7	6.5	4.4	17.4	15.1	12.3	8.7	8.7	7.6	6.2	4.4	15.1	12.3	8.7	11.3	11.3	7.6	7.6

**SAFE WORKING LOADS UNDER GENERAL USE WITH 1770 GRADE WIRE AND WIRE-ROPE CORE WITH FERRULE-SECURED EYES**

8	40.2	0.78	0.58	0.39	1.56	1.35	1.10	0.78	0.78	0.68	0.55	0.39	1.35	1.10	0.78	1.01	1.01	0.68	0.68
9	51.1	0.99	0.74	0.49	1.98	1.71	1.40	0.99	0.99	0.86	0.70	0.49	1.71	1.40	0.99	1.29	1.29	0.86	0.86
10	63.1	1.22	0.92	0.61	2.4	2.1	1.72	1.22	1.22	1.06	0.87	0.61	2.1	1.72	1.22	1.59	1.59	1.06	1.06
11	76.3	1.48	1.11	0.74	3.0	2.6	2.1	1.48	1.48	1.29	1.05	0.74	2.6	2.1	1.48	1.92	1.92	1.29	1.29
12	90.8	1.76	1.32	0.88	3.5	3.0	2.5	1.76	1.76	1.53	1.25	0.88	3.0	2.5	1.76	2.3	2.3	1.53	1.53
13	107	2.1	1.55	1.04	4.1	3.6	2.9	2.1	2.1	1.80	1.47	1.04	3.6	2.9	2.1	2.7	2.7	1.80	1.80
14	124	2.4	1.80	1.20	4.8	4.2	3.4	2.4	2.4	2.1	1.71	1.20	4.2	3.4	2.4	3.1	3.1	2.1	2.1
16	161	3.1	2.3	1.56	6.2	5.4	4.4	3.1	3.1	2.7	2.2	1.56	5.4	4.4	3.1	4.1	4.1	2.7	2.7
18	204	4.0	3.0	1.98	7.9	6.8	5.6	4.0	4.0	3.4	2.8	1.98	6.8	5.6	4.0	5.1	5.1	3.4	3.4
20	252	4.9	3.7	2.4	9.8	8.4	6.9	4.9	4.9	4.2	3.5	2.4	8.4	6.9	4.9	6.3	6.3	4.2	4.2
22	305	5.9	4.4	3.0	11.8	10.2	8.3	5.9	5.9	5.1	4.2	3.0	10.2	8.3	5.9	7.7	7.7	5.1	5.1
24	363	7.0	5.3	3.5	14.1	12.2	9.9	7.0	7.0	6.1	5.0	3.5	12.2	9.9	7.0	9.1	9.1	6.1	6.1
26	426	8.3	6.2	4.1	16.5	14.3	11.6	8.3	8.3	7.2	5.9	4.1	14.3	11.6	8.3	10.7	10.7	7.2	7.2
28	494	9.6	7.2	4.8	19.1	16.6	13.5	9.6	9.6	8.3	6.8	4.8	16.6	13.5	9.6	12.4	12.4	8.3	8.3
32	646	12.5	9.4	6.3	25	22	17.6	12.5	12.5	10.9	8.9	6.3	22	17.6	12.5	16.3	16.3	10.9	10.9
36	817	15.8	11.9	7.9	32	27	22	15.8	15.8	13.8	11.2	7.9	27	22	15.8	21	21	13.8	13.8
40	1010	19.6	14.7	9.8	39	34	28	19.6	19.6	17.0	13.9	9.8	34	28	19.6	25	25	17.0	17.0
44	1220	24	17.7	11.8	47	41	33	24	24	21	16.8	11.8	41	33	24	31	31	21	21
48	1450	28	21	14.0	56	49	40	28	28	24	19.9	14.0	49	40	28	37	37	24	24
52	1710	33	25	16.6	66	57	47	33	33	29	24	16.6	57	47	33	43	43	29	29
56	1980	38	29	19.2	77	66	54	38	38	33	27	19.2	66	54	38	50	50	33	33
60	2270	44	33	22	88	76	62	44	44	38	31	22	76	62	44	57	57	38	38