

# Wire Rope Slings Load Chart

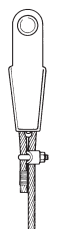
Manufactured to AS1666 SAFETY FACTOR OF 5

METHOD OF LOADING		DIRECT LOADED	CHOKE HITCH		BASKET HITCH								DIRECT LOADED	CHOKE HITCH					
			ROUND LOAD	RECT-ANGULAR LOAD	ROUND LOAD				OTHER THAN ROUND LOAD					ROUND LOAD		OTHER THAN ROUND LOAD			
NOM. DIA. mm	MIN. BREAKING FORCE kN											ROUND LOAD		OTHER THAN ROUND LOAD					
												SINGLE WRAP	DOUBLE WRAP	SINGLE WRAP	DOUBLE WRAP				
INCLUDED ANGLE		-	-	-	0°	60°	90°	120°	0°	60°	90°	120°	0° to 60°	90°	120°	0° to 45°	0° to 60°	0° to 45°	0° to 60°
<b>SAFE WORKING LOADS IN TONNES</b>																			
<b>SAFE WORKING LOADS UNDER GENERAL USE WITH 1570 GRADE WIRE AND FIBRE CORE WITH FERRULE-SECURED EYES</b>																			
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	0.48		
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	0.60		
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	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	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	1.07		
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	1.25		
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	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	1.90		
14	3	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	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	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	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	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	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	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	7.6		
<b>SAFE WORKING LOADS UNDER GENERAL USE WITH 1770 GRADE WIRE AND WIRE-ROPE CORE WITH FERRULE-SECURED EYES</b>																			
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	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	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	1.06		
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	1.29		
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	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	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	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	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	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	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	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	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	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	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	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	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	17.0		
44	1220	24	17.7	11.8	47	41	33	24	24	21	16.8	11.8	41	33	24	31	21		
48	1450	28	21	14.0	56	49	40	28	28	24	19.9	14.0	49	40	28	37	24		
52	1710	33	25	16.6	66	57	47	33	33	29	24	16.6	57	47	33	43	29		
56	1980	38	29	19.2	77	66	54	38	38	33	27	19.2	66	54	38	50	33		
60	2270	44	33	22	88	76	62	44	44	38	31	22	76	62	44	57	38		

Open conical socket fitted by means of white metal or synthetic resin.



Wedge socket.



Ordinary thimble fitted by means of a hand splice.



Ordinary thimble fitted by means of an aluminium ferrule.



Soft eye by means of an aluminium ferrule

