

WIRE ROPE SLINGS AS 1666 (SAFETY FACTOR 5:1)

1570 GRADE FIBRE CORE WORKING LOAD LIMIT (WLL)

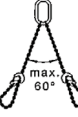
Loading Method	SINGLE LEG						TWO, THREE & FOUR LEG					
	Direct Loaded		Basket Hitch		Basket Hitch		Direct Loaded		Basket Hitch		Basket Hitch	
	Round	Other	Round	Other	Round	Other	Round	Other	Round	Other	Round	Other
Included Angle	–	–	–	60°	90°	60°	90°	0-60°	90°	120°	0-45°	0-45°
Loading Factors	1	0.75	0.5	1.73	1.41	0.87	0.71	1.73	1.41	1	1.30	0.87
Nominal rope diameter (mm)												
8	0.55	0.41	0.27	0.94	0.77	0.48	0.39	0.94	0.77	0.55	0.71	0.48
9	0.69	0.52	0.34	1.19	0.97	0.60	0.49	1.19	0.97	0.69	0.90	0.60
10	0.85	0.64	0.43	1.47	1.20	0.74	0.61	1.47	1.20	0.85	1.11	0.74
11	1.03	0.77	0.52	1.78	1.45	0.90	0.73	1.78	1.45	1.03	1.34	0.90
12	1.23	0.92	0.61	2.10	1.73	1.07	0.87	2.10	1.73	1.23	1.59	1.07
13	1.44	1.08	0.72	2.50	2.00	1.25	1.02	2.50	2.00	1.44	1.87	1.25
14	1.67	1.25	0.83	2.90	2.40	1.45	1.19	2.90	2.40	1.67	2.20	1.45
16	2.20	1.64	1.09	3.80	3.10	1.90	1.55	3.80	3.10	2.20	2.80	1.90
18	2.80	2.10	1.38	4.80	3.90	2.40	1.97	4.80	3.90	2.80	3.60	2.40
20	3.40	2.60	1.70	5.90	4.80	3.00	2.40	5.90	4.80	3.40	4.40	3.00
22	4.10	3.10	2.10	7.10	5.80	3.60	2.90	7.10	5.80	4.10	5.40	3.60
24	4.90	3.70	2.50	8.50	6.90	4.30	3.50	8.50	6.90	4.90	6.40	4.30
26	5.80	4.30	2.90	10.00	8.10	5.00	4.10	10.00	8.10	5.80	7.50	5.00
28	6.70	5.00	3.30	11.60	9.40	5.80	4.70	11.60	9.40	6.70	8.70	5.80
32	8.70	6.50	4.40	15.10	12.30	7.60	6.20	15.10	12.30	8.70	11.30	7.60

1770 GRADE WIRE ROPE CORE WORKING LOAD LIMIT (WLL)

Loading Method	SINGLE LEG						TWO, THREE & FOUR LEG					
	Direct Loaded		Basket Hitch		Basket Hitch		Direct Loaded		Basket Hitch		Basket Hitch	
	Round	Other	Round	Other	Round	Other	Round	Other	Round	Other	Round	Other
Included Angle	–	–	–	60°	90°	60°	90°	0-60°	90°	120°	0-45°	0-45°
Loading Factors	1	0.75	0.5	1.73	1.41	0.87	0.71	1.73	1.41	1	1.30	0.87
Nominal rope diameter (mm)												
8	0.78	0.58	0.39	1.35	1.10	0.68	0.55	1.35	1.10	0.78	1.01	0.6
9	0.99	0.74	0.49	1.71	1.40	0.86	0.70	1.71	1.40	0.99	1.29	0.86
10	1.22	0.92	0.61	2.10	1.72	1.06	0.87	2.10	1.72	1.22	1.59	1.06
11	1.48	1.11	0.74	2.60	2.10	1.29	1.05	2.60	2.10	1.48	1.92	1.29
12	1.76	1.32	0.88	3.00	2.50	1.53	1.25	3.00	2.50	1.76	2.30	1.53
13	2.10	1.55	1.04	3.60	2.90	1.80	1.47	3.60	2.90	2.10	2.70	1.80
14	2.40	1.80	1.20	4.20	3.40	2.10	1.71	4.20	3.40	2.40	3.10	2.10
16	3.10	2.30	1.56	5.40	4.40	2.70	2.20	5.40	4.40	3.10	4.10	2.70
18	4.00	3.00	1.98	6.80	5.60	3.40	2.80	6.80	5.60	4.00	5.10	3.40
20	4.90	3.70	2.40	8.40	6.90	4.20	3.50	8.40	6.90	4.90	6.30	4.20
22	5.90	4.40	3.00	10.20	8.30	5.10	4.20	10.20	8.30	5.90	7.70	5.10
24	7.00	5.30	3.50	12.20	9.90	6.10	5.00	12.20	9.90	7.00	9.10	6.10
26	8.30	6.20	4.10	14.30	11.60	7.20	5.90	14.30	11.60	8.30	10.70	7.20
28	9.60	7.20	4.80	16.60	13.50	8.30	6.80	16.60	13.50	9.60	12.40	8.30
32	12.50	9.40	6.30	22.00	17.60	10.90	8.90	22.00	17.60	12.50	16.30	10.90
36	15.80	11.90	7.90	27.00	22.00	13.80	11.20	27.00	22.00	15.80	21.00	13.80
40	19.60	14.70	9.80	34.00	28.00	17.00	13.90	34.00	28.00	19.60	25.00	17.00
44	24.00	17.70	11.80	41.00	33.00	21.00	16.80	41.00	33.00	24.00	31.00	21.00
48	28.00	21.00	14.00	49.00	40.00	24.00	19.90	49.00	40.00	28.00	37.00	24.00
52	33.00	25.00	16.60	57.00	47.00	29.00	24.00	57.00	47.00	33.00	43.00	29.00
56	38.00	29.00	19.20	66.00	54.00	33.00	27.00	66.00	54.00	38.00	50.00	33.00
58	42.00	-	-	73.00	-	-	-	74.00	60.00	42.00	-	-
64	52.00	-	-	90.00	-	-	-	90.00	73.00	52.00	-	-

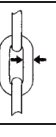
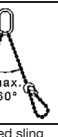
CHAIN SLINGS AS 3775 (SAFETY FACTOR 4:1)

GRADE T (80) WORKING LOAD LIMIT (WLL) UNDER GENERAL CONDITIONS OF USE, t

	Single leg slings				2, 3 or 4 leg slings			2 leg slings	
									
Chain size (mm)	Straight or adjustable sling	Adjustable sling with deration	Reeved sling	Basket sling Max 60°	Straight sling			Reeved sling	Basket sling
					60°	90°	120°	Max angle 60°	Max angle 60°
Loading factors	1	0.75	0.75	1.3	1.73	1.41	1	1.3	2.25
6	1.1	0.8	0.8	1.5	1.9	1.6	1.1	1.5	2.5
7	1.5	1.1	1.1	2	2.6	2.1	1.5	2	3.4
8	2	1.5	1.5	2.6	3.5	2.8	2	2.6	4.5
10	3.2	2.4	2.4	4.1	5.5	4.5	3.2	4.1	7.2
13	5.3	4	4	6.9	9.2	7.5	5.3	6.9	11.9
16	8	6	6	10.4	13.8	11.3	8	10.4	18
19	11.2	8.4	8.4	14.6	19.4	15.8	11.2	14.6	25.2
20	12.5	9.4	9.4	16.3	21.6	17.6	12.5	16.3	28.1
22	15	11.3	11.3	19.5	26	21.2	15	19.5	33.8
26	21.2	15.9	15.9	27.6	36.7	29.9	21.2	27.6	47.7
32	31.5	23.6	23.6	41	54.5	44.4	31.5	41	70.9

CHAIN SLINGS AS 3775 (SAFETY FACTOR 4:1)

GRADE V (100) WORKING LOAD LIMIT (WLL) UNDER GENERAL CONDITIONS OF USE, t

	Single leg slings				2, 3 or 4 leg slings			2 leg slings	
									
	Straight or adjustable sling	Adjustable sling with deration	Reeved sling	Basket sling Max 60°	Straight sling			Reeved sling	Basket sling
Chain size (mm)					60°	90°	120°	Max angle 60°	Max angle 60°
Loading factors	1	0.75	0.75	1.3	1.73	1.41	1	1.3	2.25
4	0.63	0.5	0.4	0.8	1.1	0.9	0.63	0.8	1.4
5	1	0.8	0.6	1.3	1.7	1.4	1	1.3	2.3
6	1.4	1.1	0.8	1.8	2.4	2	1.4	1.8	3.2
7	1.9	1.4	1.1	2.5	3.3	2.7	1.9	2.5	4.3
8	2.5	1.9	1.4	3.3	4.3	3.5	2.5	3.3	5.6
10	4	3	2.3	5.2	6.9	5.6	4	5.2	9
13	6.7	5	3.8	8.7	11.6	9.4	6.7	8.7	15.1
16	10	7.5	5.6	13	17.3	14.1	10	13	22.5
18	12.5	9.4	7	16.3	21.6	17.6	12.5	16.3	28.1
19	14	10.5	7.9	18.2	24.2	19.7	14	18.2	31.5
20	16	12	9	20.8	27.7	22.6	16	20.8	36
22	19	14.3	10.7	24.7	32.9	26.8	19	24.7	42.8
23	21	15.8	11.8	27.3	36.3	29.6	21	27.3	47.3
26	26.5	19.9	14.9	34.5	45.8	37.4	26.5	34.5	59.6
28	31.5	23.6	17.7	41	54.5	44.4	31.5	41	70.9
32	40	30	22.5	52	69.2	56.4	40	52	90

ROUND SLINGS AS 4497.2 (SAFETY FACTOR 7:1) FLAT WEBBING SLINGS AS 1353.2 (SAFETY FACTOR 8:1)

WORKING LOAD LIMIT (WLL)

Sling Lifting Configurations	STRAIGHT LIFT L = 1	CHOKED LIFT L = 0.8	BASKET HITCH & TWO, THREE & FOUR LEG SLINGS			
			Round Load L = 2	Round Load L = 1.73	Other L = 1.41	Other L = 1
Sling Colour as per Australian Standards						
Violet	1.00	0.80	2.00	1.70	1.40	1.00
Green	2.00	1.60	4.00	3.40	2.80	2.00
Yellow	3.00	2.40	6.00	5.10	4.20	3.00
Grey	4.00	3.20	8.00	6.90	5.60	4.00
Red	5.00	4.00	10.00	8.60	7.00	5.00
Brown	6.00	4.80	12.00	10.30	8.40	6.00
Blue	8.00	6.40	16.00	13.80	11.20	8.00
Orange	10.00	8.00	20.00	17.30	14.10	10.00
Orange	15.00	12.00	30.00	25.50	21.00	15.00
Orange	20.00	16.00	40.00	34.00	28.00	20.00
Orange	30.00	24.00	60.00	51.00	42.00	30.00

NOTE: Working Load Limit = L x WLL; L = Loading Factor; θ = Included angle between the legs. The maximum WLL is determined by the sling angle.

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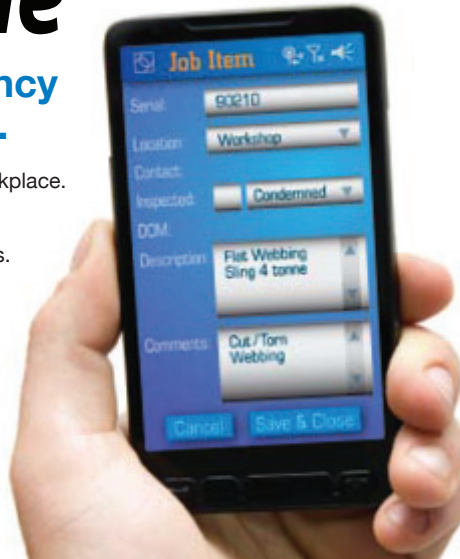
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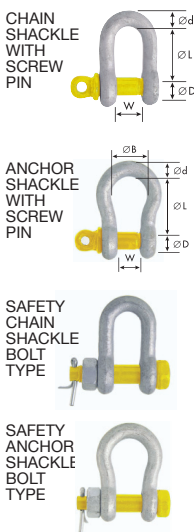
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BOW & DEE SHACKLES GRADE 'S' AS 2741 (SAFETY FACTOR 6:1)



Working Load Limit (t)	Ød (mm)	ØD (mm)	W (mm)	Inside Chain ØL (mm)	Length Anchor ØL (mm)	ØB (mm)	Approx Weights Screw (kg)	Weight Bolt (kg)
0.33	5	6	10	-	22	15	0.02	-
0.50	6	8	12	22	29	20	0.06	0.07
0.75	8	10	13	26	31	21	0.11	0.13
1.00	10	11	17	32	37	26	0.15	0.17
1.50	11	13	18	37	43	29	0.21	0.25
2.00	13	16	21	41	48	33	0.37	0.44
3.25	16	19	27	51	61	43	0.65	0.79
4.75	19	22	32	60	72	51	1.06	1.26
6.50	22	25	37	71	84	58	1.56	1.88
8.50	25	29	43	81	95	68	2.32	2.78
9.50	29	32	46	90	108	74	3.28	3.87
12.00	32	35	52	100	119	83	4.51	5.26
13.00	35	38	57	113	133	92	5.43	6.94
17.00	38	41	60	124	146	98	7.89	8.79
25.00	44	51	73	146	178	127	13.40	14.99
35.00	51	57	83	171	197	146	18.85	20.65
45.00	57	63	95	181	222	160	26.06	29.01
55.00	63	70	105	203	267	184	37.86	41.05
85.00	76	83	127	229	330	200	58.68	62.24
120.00	89	95	146	267	381	241	-	110.0
150.00	102	108	165	318	432	279	-	160.0