

safety & lifting

GRADE 80 CHAIN SLINGS - AS3775

WORKING LOAD LIMIT (W.L.L.) IN TONNES UNDER GENERAL CONDITIONS OF USE									
CHAIN SIZE (MM)	SINGLE LEG SLINGS				SLINGS OF 2,3 OR 4 LEG SLINGS			2 LEG SLINGS	
	STRAIGHT SLING	ADJUSTABLE SLING W/DERATION	REEVED SLING	BASKET SLING MAX 60°	STRAIGHT SLING			REEVED SLING MAX 60°	BASKET SLING MAX 60°
LOADING FACTOR	1	0.75	0.75	1.3	60°	90°	120°	1.3	2.25
6	1.1	0.8	0.8	1.4	1.9	1.6	1.1	1.4	2.5
8	2.00	1.5	1.5	2.6	3.5	2.8	2.0	2.6	4.5
10	3.2	2.4	2.4	4.2	5.5	4.5	3.2	4.2	7.2
13	5.3	4.0	4.0	6.9	9.2	7.5	5.3	6.9	11.9
16	8.0	6.0	6.0	10.4	13.8	11.3	8.0	10.4	18.0
20	12.5	9.4	9.4	16.3	21.6	17.6	12.5	16.3	28.1
22	15.0	11.3	11.3	19.5	26.0	21.2	15.0	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	41.0	54.5	44.4	31.5	41.0	70.9

*On adjustable slings, some grab shortening hooks may derate the W.L.L. by 25%. Advice should be sought from the manufacturer.

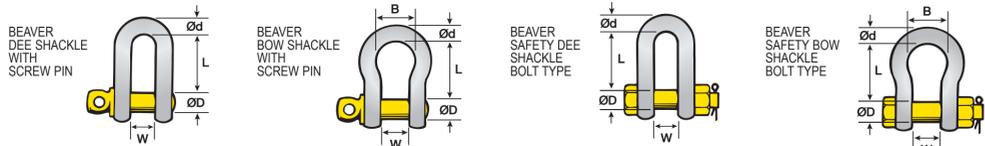
GRADE 100 CHAIN SLINGS - AS3775

WORKING LOAD LIMIT (W.L.L.) IN TONNES UNDER GENERAL CONDITIONS OF USE									
CHAIN SIZE (MM)	SINGLE LEG SLINGS				SLINGS OF 2,3 OR 4 LEG SLINGS			2 LEG SLINGS	
	STRAIGHT SLING	ADJUSTABLE SLING W/DERATION	REEVED SLING	BASKET SLING MAX 60°	STRAIGHT SLING			REEVED SLING MAX 60°	BASKET SLING MAX 60°
LOADING FACTOR	1	0.75	0.75	1.3	60°	90°	120°	1.3	2.25
6	1.4	1.1	1.1	1.8	2.4	2.0	1.4	1.8	3.2
8	2.5	1.9	1.9	3.3	4.3	3.5	2.5	3.3	5.6
10	4.0	3.0	3.0	5.2	6.9	5.6	4.0	5.2	9.0
13	6.7	5.0	5.0	8.7	11.6	9.4	6.7	8.7	15.1
16	10.0	7.5	7.5	13.0	17.3	14.1	10.0	13.0	22.5
20	16.0	12.0	12.0	20.8	27.7	22.6	16.0	20.8	36.0
22	19.0	14.3	14.3	24.7	32.9	26.8	19.0	24.7	42.8
26	26.5	19.9	19.9	34.5	45.8	37.4	26.5	34.5	59.6
32	40.0	30.0	30.0	52.0	69.2	56.4	40.0	52.0	90.0

*On adjustable slings, some grab shortening hooks may derate the W.L.L. by 25%. Advice should be sought from the manufacturer.

GRADE 'S' SHACKLES TO AS2741

WORKING LOAD LIMIT Metric Tonnes	DIA. Ød mm	DIA. PIN ØD mm	INSIDE WIDTH W mm	INSIDE LENGTH		WIDTH OF BOW B mm	APPROX. WEIGHT EACH	
				DEE TYPE L mm	BOW TYPE L mm		SCREW PIN kg	SAFETY PIN 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
3.20	16	19	27	51	61	43	0.65	0.79
4.70	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
13.50	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
42.50	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	—	110.00
150.00	102	108	165	318	432	279	—	160.00



ROUND WEBBING SLINGS - AS4497 / FLAT WEBBING SLINGS - AS1353

WORKING LOAD LIMITS UNDER GENERAL CONDITIONS OF USE - t									
COLOUR	MARKED WLL	STRAIGHT LIFT	CHOKED STRAIGHT LIFT	PARALLEL BASKET	BASKET HITCH OR 2, 3 AND 4 LEGS SLINGS			CHOKED HITCH OR 2, 3 AND 4 LEGS SLINGS	
					a = 60°	a = 90°	a = 120°	SINGLE WRAP a = MAX 45°	DOUBLE WRAP a = MAX 60°
LOADING FACTORS		1	0.8	2	1.73	1.41	1	1.38	1.38
VIOLET	1	1	0.8	2	1.7	1.4	1	1.38	1.38
GREEN	2	2	1.6	4	3.4	2.8	2	2.76	2.76
YELLOW	3	3	2.4	6	5.1	4.2	3	4.14	4.14
GREY	4	4	3.2	8	6.9	5.6	4	5.52	5.52
RED	5	5	4	10	8.6	7	5	6.9	6.9
BROWN	6	6	4.8	12	10.3	8.4	6	8.28	8.28
BLUE	8	8	6.4	16	13.8	11.2	8	11.04	11.04
ORANGE	10	10	8	20	17.3	14.1	10	13.8	13.8
ORANGE	Greater than 10	Marked WLL x LF	Marked WLL x LF	Marked WLL x LF	Marked WLL x LF	Marked WLL x LF	Marked WLL x LF	Marked WLL x LF	Marked WLL x LF

Note: The WLL applicable to each configuration is the marked WLL multiplied by the loading factor, L.

COLLARED EYEBOLTS & EYENUTS AS 2317

WLL FOR LOAD APPLICATION AS SPECIFIED BY AS 1418.1						
THREAD SIZE	SINGLE EYEBOLT OR EYENUT			PAIR OF EYEBOLT OR EYENUTS (SEE NOTES 1 AND 4)		
	TRANVERSE T	AXIAL T	TRANVERSE T	MAXIMUM INCLUDED ANGLE 30°	MAXIMUM INCLUDED ANGLE 60°	MAXIMUM INCLUDED ANGLE 90°
Loading Factor	0.25	1	0.5	1.25	0.80	0.5
M10	0.06	0.25	0.12	0.31	0.20	0.12
M12	0.10	0.40	0.20	0.50	0.32	0.20
M16	0.20	0.80	0.40	1.00	0.64	0.40
M20	0.40	1.60	0.80	2.0	1.28	0.80
M22	0.50	2.0	1.00	2.5	1.60	1.00
M24	0.62	2.5	1.25	3.1	2.0	1.25
M30	1.00	4.0	2.0	5.0	3.2	2.0
M33	1.25	5.0	2.5	6.3	4.0	2.5
M36	1.57	6.3	3.1	7.9	5.0	3.1
M39	1.75	7.0	3.5	8.8	5.6	3.5
M42	2.0	8.0	4.0	10.0	6.4	4.0
M48	2.5	10.0	5.0	12.6	8.0	5.0
M56	3.7	15.0	7.5	18.9	12.0	7.5
M64	5.0	20.0	10.0	25	16.0	10.0
M72	6.2	25.0	12.5	31	20	12.5
M76	7.5	30.0	15.0	37	24	15.0

SINGLE & MULTI-LEG WIRE ROPE SLINGS

METHOD OF LOADING	ROPE DIA MM	CHOKE HITCH		BASKET HITCH ROUND LOAD				2-3 OR 4 LEG ASSEMBLY		
		ROUND LOAD	RECTANGULAR LOAD	0°	60°	90°	120°	0° TO 60°	90°	120°
INCLUDED ANGLE	-	-	-	0°	60°	90°	120°	0° TO 60°	90°	120°
LOADING FACTOR	1 x 0.95	0.75 x 0.95	0.5 x 0.95	2 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95
8	0.78	0.58	0.39	1.56	1.35	1.10	0.78	1.35	1.10	0.78
8	0.87	0.65	0.43	1.74	1.50	1.22	0.87	1.50	1.22	0.87
9	0.99	0.74	0.49	1.98	1.71	1.40	0.99	1.71	1.40	0.99
9	1.09	0.82	0.55	2.18	1.89	1.54	1.09	1.89	1.54	1.09
10	1.22	0.92	0.61	2.40	2.10	1.72	1.22	2.10	1.72	1.22
10	1.35	1.01	0.68	2.70	2.30	1.91	1.35	2.30	1.91	1.35
11	1.48	1.11	0.74	3.00	2.60	2.10	1.48	2.60	2.10	1.48
11	1.63	1.23	0.82	3.26	2.80	2.30	1.63	2.80	2.30	1.63
12	1.76	1.32	0.88	3.50	3.00	2.50	1.76	3.00	2.50	1.76
12	1.94	1.45	0.97	3.88	3.30	2.70	1.94	3.30	2.70	1.94
13	2.10	1.55	1.04	4.10	3.60	2.90	2.10	3.60	2.90	2.10
13	2.20	1.71	1.14	4.40	3.90	3.20	2.20	3.90	3.20	2.20
14	2.40	1.80	1.20	4.80	4.20	3.40	2.40	4.20	3.40	2.40
14	2.60	1.99	1.33	5.20	4.50	3.70	2.60	4.50	3.70	2.60
16	3.10	2.30	1.56	6.20	5.40	4.40	3.10	5.40	4.40	3.10
16	3.40	2.60	1.73	6.80	6.00	4.80	3.40	6.00	4.80	3.40
18	4.00	3.00	1.98	7.90	6.80	5.60	4.00	6.80	5.60	4.00
18	4.30	3.20	2.10	8.60	7.50	6.10	4.30	7.50	6.10	4.30
20	4.90	3.70	2.40	9.80	8.40	6.90	4.90	8.40	6.90	4.90
20	5.40	4.00	2.70	10.80	9.30	7.60	5.40	9.30	7.60	5.40
22	5.90	4.40	3.00	11.80	10.20	8.30	5.90	10.20	8.30	5.90
22	6.50	4.90	3.20	13.00	11.60	9.20	6.50	11.30	9.20	6.50
24	7.00	5.30	3.50	14.10	12.20	9.90	7.00	12.20	9.90	7.00
24	7.70	5.80	3.80	15.40	13.40	10.90	7.70	13.40	10.90	7.70
26	8.30	6.20	4.10	16.50	14.30	11.60	8.30	14.30	11.60	8.30
26	9.10	6.80	4.50	18.20	15.80	12.80	9.10	15.80	12.80	9.10
28	9.60	7.20	4.80	19.10	16.60	13.50	9.60	16.60	13.50	9.60
28	10.50	7.90	5.30	21.00	18.30	14.90	10.50	18.30	14.90	10.50
32	12.50	9.40	6.30	25.00	22.00	17.60	12.50	22.00	17.60	12.50
32	13.80	10.30	6.90	27.60	23.90	19.50	13.80	23.90	19.50	13.80

