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CHAIN SLINGS - AS3775

NEW
Chain Sling Standards
AS3775 - 2014

WORKING LOAD LIMIT (W.L.L.) IN TONNES UNDER GENERAL CONDITIONS OF USE.

Chain Size (mm)	Grade	Single Leg Slings				Slings of 2, 3 or 4 Leg Slings			2 Leg Slings	
		Straight Sling	Adjustable Sling*	Reeved Sling	Basket Sling Max 60°	60°	Straight Sling 90°	120°	Reeved Sling 60°	Basket Sling Max 60°
6	80	1.1	1.1	0.8	1.5	1.9	1.6	1.1	1.5	2.5
6	100	1.4	1.4	0.8	1.8	2.4	2.0	1.4	1.8	3.2
8	80	2.0	2.0	1.5	2.6	3.5	2.8	2.0	2.6	4.5
8	100	2.5	2.5	1.4	3.3	4.3	3.5	2.5	3.3	5.6
8	120	3.0	3.0	2.3	3.9	5.2	4.2	3.0	3.9	6.8
10	80	3.2	3.2	2.4	4.1	5.5	4.5	3.2	4.1	7.2
10	100	4.0	4.0	2.3	5.2	6.9	5.6	4.0	5.2	9.0
10	120	5.0	5.0	4.0	6.5	8.8	7.0	5.0	6.5	11.3
13	80	5.3	5.3	4.0	6.9	9.2	7.5	5.3	6.9	11.9
13	100	6.7	6.7	3.8	8.7	11.6	9.4	6.7	8.7	15.1
13	120	8.0	8.0	6.3	10.4	13.8	11.3	8.0	10.4	18.0
16	80	8.0	8.0	6.0	10.4	13.8	11.3	8.0	10.4	18.0
16	100	10.0	10.0	5.6	13.0	17.3	14.1	10.0	13.0	22.5
20	80	12.5	12.5	9.4	16.3	21.6	17.6	12.5	16.3	28.1
20	100	16.0	16.0	9.0	20.8	27.7	22.6	16.0	20.8	36.0
22	80	15.0	15.0	11.3	19.5	26.0	21.2	15.0	19.5	33.8
22	100	19.0	19.0	10.7	24.7	32.9	26.8	19.0	24.7	42.8
26	80	21.2	21.2	15.9	27.6	36.7	29.9	21.2	27.6	47.7
26	100	26.5	26.5	14.9	34.5	45.8	37.4	26.5	34.5	59.6
32	80	31.5	31.5	23.6	41.0	54.5	44.4	31.5	41.0	70.9
32	100	40.0	40.0	22.5	52.0	69.2	56.4	40.0	52.0	90.0

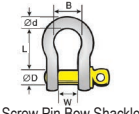
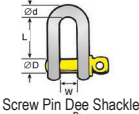
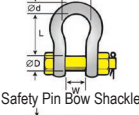
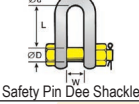
*On adjustable slings, some grab shortening hooks may derate the W.L.L. by 25%. Advice should be sought from the manufacturer.

MOTION	HAND SIGNAL	WHISTLE, BELL OR BUZZER SIGNAL
Hoisting		1 long
Luffing boom up		4 short
Slewing left		1 long, 1 short
jib-telescoping in: boom retract		1 long, 4 short
Stop		1 short

MOTION	HAND SIGNAL	WHISTLE, BELL OR BUZZER SIGNAL
Hoisting raise		2 short
Luffing boom up		3 short
Slewing right		1 long, 2 short
jib-telescoping out: boom extend		1 long, 3 short
Travel and traverse		Not applicable

RIGGING HAND SIGNALS

GRADE 'S' SHACKLES TO AS2741







	WORKING LOAD LIMIT METRIC TONNES	NOMINAL BODY SIZE d mm	PIN DIA. D mm	INSIDE WIDTH w mm	INSIDE DEE TYPE L mm	INSIDE BOW TYPE L mm	WIDTH OF BOW B mm	APPROX. WEIGHT EACH 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
	1.0	10	11	17	32	37	26	0.15	0.17
	1.5	11	13	18	37	43	29	0.21	0.25
	2.0	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	1.3
	6.5	22	25	37	71	84	58	1.56	1.9
	8.5	25	29	43	81	95	68	2.32	2.8
	9.5	29	32	46	90	108	74	3.28	3.9
	12	32	35	52	100	119	83	4.51	5.3
	13.5	35	38	57	113	133	92	6	7
	17	38	41	60	124	146	98	8	9
	25	44	51	73	146	178	127	14	15
	35	51	57	83	171	197	146	19	21
	45	57	63	95	181	222	160	26	29
	55	63	70	105	203	267	184	37	41
	85	76	83	127	229	330	200	58	62
	120	89	95	146	267	381	241	-	110
	150	102	108	165	318	432	279	-	160

- NATA Accredited Testing & Repairs to all lifting equipment
- On Site Inspections & Testing • Design and manufacture of special lifting equipment



ROUND WEBBING SLINGS - AS4497 FLAT WEBBING SLINGS - AS1353

Note: The maximum W.L.L. is dependent on the angle










Round & Flat Slings						
LOADING FACTOR	L = 1.0	L = 0.8	L = 2.0	L = 1.73	L = 1.41	L = 1.0
LIFTING MODE	VERTICAL	CHOKE	BASKET	60°	90°	120°
SLING COLOUR	W.L.L.	W.L.L.	W.L.L.	W.L.L.	W.L.L.	W.L.L.
	TONNE	TONNE	TONNE	TONNE	TONNE	TONNE
VIOLET	1	0.8	2	1.7	1.4	1
GREEN	2	1.6	4	3.4	2.8	2
YELLOW	3	2.4	6	5.1	4.2	3
GREY	4	3.2	8	6.9	5.6	4
RED	5	4.0	10	8.6	7.0	5
BROWN	6	4.8	12	10.3	8.4	6
BLUE	8	6.4	16	13.8	11.2	8
ORANGE	10	8.0	20	17.3	14.1	10
ORANGE	20	16.0	40	34.6	28.2	20
ORANGE	50	40.0	100	86.5	70.5	50
ORANGE	100	80.0	200	173.0	141.0	100

- Height Safety - Design, Installation & Certification
- Height Safety Training (Nationally Recognised)
- Authorised Service Centres for fall arrest blocks & winches



WIRE ROPE SLINGS - AS1666

GRADE 1770 STEEL CORE GRADE 1960 STEEL CORE
FERRULE-SECURED EYES - WORKING LOAD LIMIT (W.L.L.) IN TONNES

METHOD OF LOADING	Direct Loaded	Choke hitch		Basket hitch			2-3 or 4 Leg Assembly			
		Round Load	Rectangular Load	Round Load	90°	120°	0 to 60°	90°	120°	
ROPE DIA MM										
Included angle	-	-	-	0°	60°	90°	0 to 60°	90°	120°	
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	11.30	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