WORKING LOAD LIMIT CHART

INSPECTION & TESTING SERVICES > CRANE INSPECTION SERVICES > ASSET REGISTER MANAGEMENT SYSTEM > CUSTOM EQUIPMENT DESIGN > SOCKETING, SPLICING & WINDING SERVICES > MAGNETIC PARTICLE INSPECTION > WATER WEIGHT PROOF LOAD TESTING

HOISTS

WINCHES

CRANE HOOKS

LIFTING SLINGS

RIGGING HARDWARE

FABRICATED LIFTING PRODUCTS

CHAIN & FITTINGS

Wire Rope Slings

Manufactured to A.S.1666 - 2009
Safety Factor of 5

Method of Loading		Direct Loaded	Choke Hitch		Basket Hitch								Direct Loaded			Choke Hitch			
Rope			Round Load	Rectangular Load	Round Load				Other than Round Load							Round Load		Other than Round Load	
Nom. Dia (mm)	Min Breaking Force (kN)															Single Wrap	Double Wrap	Single Wrap	Double Wrap
Included Angle		-	-	-	0°	60°	90°	120°	0°	60°	90°	120°	0-60°	90°	120°	0°-45°	0°-60°	0°-45°	0°-60°
WORKING LOAD LIMIT IN TONNES																			
Working Load Limit under general use with 1570 grade wire and fibre core with ferrule-secured eyes.																			
8	28.7	0.55	0.41	0.27	1.11	0.96	0.78	0.55	0.55	0.48	0.39	0 .27	0.96	0.78	0.55	0.72		0.48	
9	35.4	0.70	0.52	0.35	1.40	1.21	0.99	0.70	0.70	0.61	0.50	0.35	1.21	0.99	0.70	0.91		0.61	
10	44.9	0.86	0.65	0.43	1.73	1.50	1.22	0.86	0.86	0.75	0.61	0.43	1.50	1.22	0.86	1.13		0.75	
11	54.3	1.05	0.78	0.52	2.10	1.81	1.48	1.05	1.05	0.91	0.74	0.52	1.81	1.48	1.05	1.36		0.91	
12	64.0	1.23	0.92	0.61	2.47	2.14	1.74	1.23	1.23	1.07	0.88	0.61	2.14	1.74	1.23	1.61		1.07	
13	74.9	1.47	1.10	0.73	2.94	2.54	2.07	1.47	1.47	1.27	1.04	0.73	2.54	2.07	1.47	1.91		1.27	
14	88.0	1.70	1.27	0.85	3.40	2.94	2.40	1.70	1.70	1.48	1.21	0.85	2.94	2.40	1.70	2.21		1.48	
16	115	2.22	1.67	1.11	4.45	3.85	3.14	2.22	2.22	1.93	1.58	1.11	3.85	3.14	2.22	2.89		1.93	
18	145	2.80	2.10	1.40	5.61	4.85	3.95	2.80	2.80	2.44	1.99	1.40	4.85	3.95	2.80	3.65		2.44	
20	180	3.48	2.61	1.74	6.97	6.03	4.91	3.48	3.48	3.03	2.47	1.74	6.03	4.91	3.48	4.53		3.03	
22	217	4.20	3.15	2.10	8.40	7.27	5.92	4.20	4.20	3.65	2.98	2.10	7.27	5.92	4.20	5.46		3.65	
24	259	5.01	3.76	2.50	10.03	8.67	7.07	5.01	5.01	4.36	3.56	2.50	8.67	7.07	5.01	6.52		4.36	
26	304	5.88	4.41	2.94	11.77	10.18	8.30	5.88	5.88	5.12	4.18	2.94	10.18	8.30	5.88	7.65		5.12	
28	352	6.81	5.11	3.40	13.63	11.79	9.61	6.81	6.81	5.93	4.84	3.40	11.79	9.61	6.81	8.86		5.93	
32	460	8.90	6.68	4.45	17.81	15.41	12.56	8.90	8.90	7.75	6.32	4.45	15.41	12.56	8.90	11.58		7.75	
Working Load Limit 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	.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	.99	0.86	0.70	0.49	1.71	1.40	0.99	1.29		0.86	
10	63.1	1.22	.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	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	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	

Flat Webbing Slings

Manufactured to A.S. 1353 Parts 1 & 2 1997 - Safety Factor 8:1

Round Slings

Manufactured to A.S. 4497.1 - 1997 - Safety Factor 7:1

Webbing Slings & Round Slings										
Lifting Mode Capacity		Vertical W.L.L.	Choke W.L.L.	Basket W.L.L.	30° W.L.L.	60° W.L.L.	90° W.L.L.	120° W.L.L.	60° W.L.L.	60° Choke W.L.L.
Kg	Colour	Code	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg
1,000	Violet	1,000	800	2,000	1,900	1,700	1,400	1,000	1,700	1,400
2,000	Green	2,000	1,600	4,000	3,800	3,400	2,800	2,000	3,400	2,800
3,000	Yellow	3,000	2,400	6,000	5,700	5,100	4,200	3,000	5,100	4,200
4,000	Grey	4,000	3,200	8,000	7,600	6,800	5,600	4,000	6,800	5,600
5,000	Red	5,000	4,000	10,000	9,500	8,500	7,000	5,000	8,500	7,000
6,000	Brown	6,000	4,800	12,000	11,400	10,200	8,400	6,000	10,200	8,400
8,000	Blue	8,000	6,400	16,000	15,200	13,600	11,200	8,000	13,600	11,200
10,000	Orange	10,000	8,000	20,000	19,000	17,000	14,000	10,000	17,000	14,000

Flat Webbing Sling

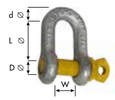
Round Sling

- All slings are made from 100% Polyester.
- W.L.L. is clearly marked on each sling.
- Colour coding on each sling for added safety.
- Protective sleeves are recommended for lifting sharp & rough cargoes.

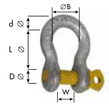
Alloy Grade 'S' Shackles

Orange Painted Pin to A.S. 2741 - 2002
Safety Factor of 6

Dee Shackle with Screw Pin



Bow Shackle with Screw Pin



Dee Shackle with Safety Pin

Bow Shackle with Safety Pin

Working Load Limit - Metric Tonnes	Dia. Body d mm	Dia. Pin D mm	Inside Width W mm	Inside Length		Width of Bow B mm	Approx. Weight Screw Pin Kg	Approx. Weight Safety Pin Kg
				Dee Type L mm	Bow Type L mm			
.33	5	6	10	-	22	15	.02	-
.50	6	8	12	22	29	20	.06	.07
.75	8	10	13	26	31	21	.11	.13
1.00	10	11	17	32	37	26	.15	.17
1.50	11	13	18	37	43	29	.21	.25
2.00	13	16	21	41	48	33	.37	.44
3.25	16	19	27	51	61	43	.65	.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

Alloy Grade 80T Chain Slings

To A.S. 3775.2 - 2014
Safety Factor of 4

Chain	Single Leg Slings				Slings of 2, 3 or 4 legs				2 Leg Slings
Chain Size	Straight Sling	Adjustable Sling*	Reeved Sling	Basket Sling Max 60°	Straight Sling			Reeved Sling Max 60°	Basket Sling Max 60°
mm					60°	90°	120°		
6.0	1.1	1.1	0.8	1.5	1.9	1.6	1.1	1.5	2.5
7.0	1.5	1.5	1.1	2.0	2.6	2.1	1.5	2.0	3.4
8.0	2.0	2.0	1.5	2.6	3.5	2.8	2.0	2.6	4.5
10.0	3.2	3.2	2.4	4.1	5.5	4.5	3.2	4.1	7.2
13.0	5.3	5.3	4.0	6.9	9.2	7.5	5.3	6.9	11.9
16.0	8.0	8.0	6.0	10.4	13.8	11.3	8.0	10.4	18.0
20.0	12.5	12.5	9.4	16.3	21.6	17.6	12.5	16.3	28.1
22.0	15.0	15.0	11.3	19.5	26.0	21.2	15.0	19.5	33.8
26.0	21.2	21.2	15.9	27.6	36.7	29.9	21.2	27.6	47.7
32.0	31.5	31.5	23.6	41.0	54.5	44.4	31.5	41.0	70.9

CARE INSTRUCTIONS

- Store Chain Slings on A-frames or wall racks in a clean dry place.
- Lightly oil Chain Slings before prolonged storage.
- Never heat-treat Chain Slings.

USAGE GUIDELINES

- Always inspect a chain sling before use to ensure it is free from damage or wear.
- Ensure that the load is evenly distributed on all sling legs.
- Ensure that the chain is free of twists and is protected from any sharp corners on the load.
- Commence the lift slowly, taking up the slack gradually.
- When lowering, avoid the possibility of crushing the chain by ensuring that the load does not land on the chain or any component of the sling.

INSPECTION GUIDELINES

- It is important to inspect Chain Slings regularly and that an inspection record is kept for each chain sling.
- If necessary, clean the sling before inspection.
- Every chain link should be individually inspected for signs of wear, twisting, stretching, nicks or gouging. Any worn link should be measured to determine degree of wear.
- Oblong links and hooks should be inspected at their load bearing points for signs of wear or distortion, eg. Widening of hook throat opening.
- Defective chain links or fittings should be clearly marked to indicate rejection and the chain sling withdrawn from service until repaired.
- Connectors should be inspected for any signs of wear at their load bearing points, for excessive play of the load pin within the body halves and for impaired rotation of the body halves around the load pin.

Note: when reassembling a Hammerlok™ or Gr8 Connecting Link it is recommended that a new pin and stud assembly be used.

Refer to AS 3775.2 for further guidance.

The values expressed on this table exceed or meet the minimum requirements of AS3775.2:2014 and are stated in tonnes.

The above maximum working load limits are for general conditions of use to group classification of crane mechanisms of M3 as specified in AS1418.1.

WLL must never be exceeded, even at angles less than 60° degrees or if the load is flexible. For other than general conditions of use the WLL will be derated to conform to the group classification of crane mechanisms as specified in AS1418.1.

For basket slings and engineered lifts, please consult AS 3775:2014 Parts 1 or 2, accordingly.

D Indicates that WLL applies to both 'rectangular' and 'circular' load.
▲ Indicates nip angle which must not exceed 120°.
Indicates the sling angle is equal to twice the greatest angle of inclination of a leg to the vertical.

* Use of Grab Hook without cradle or supporting wings reduces the WLL of straight slings to that of reeved slings.

PWB ANCHOR

WIRE ROPE

NATURAL & SYNTHETIC ROPE

HEIGHT SAFETY

MATERIALS HANDLING

HYDRAULIC EQUIPMENT

TRANSPORT & 4WD

RIGGING TOOLS

Lifting Victoria
LIFTING, RIGGING & HEIGHT SAFETY GEAR

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19 Industrial Place
Breakwater, VIC, 3219
Phone (03) 5229 9508

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Unit 8 /151 Dohertys Road
Laverton North, VIC, 3026
Phone (03) 8360 7923

FURTHER INFORMATION
visit www.liftingvictoria.com.au
email info@liftingvictoria.com.au

DISCLAIMER:

This Working Load Limit Chart is provided as a guide only. When preparing lifting calculations please check the relevant Australian Standard.

GLOBAL LIFTING GROUP
LEEA
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WORKING LOAD LIMIT CHART

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Wire Rope Slings

Manufactured to A.S.1666 - 2009
Safety Factor of 5

Method of Loading		Direct Loaded	Choke Hitch		Basket Hitch								Direct Loaded			Choke Hitch			
Rope			Round Load	Rectangular Load	Round Load				Other than Round Load							Round Load		Other than Round Load	
Nom. Dia (mm)	Min Breaking Force (kN)															Single Wrap	Double Wrap	Single Wrap	Double Wrap
Included Angle		-	-	-	0°	60°	90°	120°	0°	60°	90°	120°	0-60°	90°	120°	0°-45°	0°-60°	0°-45°	0°-60°
WORKING LOAD LIMIT IN TONNES																			
Working Load Limit under general use with 1570 grade wire and fibre core with ferrule-secured eyes.																			
8	28.7	0.55	0.41	0.27	1.11	0.96	0.78	0.55	0.55	0.48	0.39	0 .27	0.96	0.78	0.55	0.72		0.48	
9	35.4	0.70	0.52	0.35	1.40	1.21	0.99	0.70	0.70	0.61	0.50	0.35	1.21	0.99	0.70	0.91		0.61	
10	44.9	0.86	0.65	0.43	1.73	1.50	1.22	0.86	0.86	0.75	0.61	0.43	1.50	1.22	0.86	1.13		0.75	
11	54.3	1.05	0.78	0.52	2.10	1.81	1.48	1.05	1.05	0.91	0.74	0.52	1.81	1.48	1.05	1.36		0.91	
12	64.0	1.23	0.92	0.61	2.47	2.14	1.74	1.23	1.23	1.07	0.88	0.61	2.14	1.74	1.23	1.61		1.07	
13	74.9	1.47	1.10	0.73	2.94	2.54	2.07	1.47	1.47	1.27	1.04	0.73	2.54	2.07	1.47	1.91		1.27	
14	88.0	1.70	1.27	0.85	3.40	2.94	2.40	1.70	1.70	1.48	1.21	0.85	2.94	2.40	1.70	2.21		1.48	
16	115	2.22	1.67	1.11	4.45	3.85	3.14	2.22	2.22	1.93	1.58	1.11	3.85	3.14	2.22	2.89		1.93	
18	145	2.80	2.10	1.40	5.61	4.85	3.95	2.80	2.80	2.44	1.99	1.40	4.85	3.95	2.80	3.65		2.44	
20	180	3.48	2.61	1.74	6.97	6.03	4.91	3.48	3.48	3.03	2.47	1.74	6.03	4.91	3.48	4.53		3.03	
22	217	4.20	3.15	2.10	8.40	7.27	5.92	4.20	4.20	3.65	2.98	2.10	7.27	5.92	4.20	5.46		3.65	
24	259	5.01	3.76	2.50	10.03	8.67	7.07	5.01	5.01	4.36	3.56	2.50	8.67	7.07	5.01	6.52		4.36	
26	304	5.88	4.41	2.94	11.77	10.18	8.30	5.88	5.88	5.12	4.18	2.94	10.18	8.30	5.88	7.65		5.12	
28	352	6.81	5.11	3.40	13.63	11.79	9.61	6.81	6.81	5.93	4.84	3.40	11.79	9.61	6.81	8.86		5.93	
32	460	8.90	6.68	4.45	17.81	15.41	12.56	8.90	8.90	7.75	6.32	4.45	15.41	12.56	8.90	11.58		7.75	
Working Load Limit 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	.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	.99	0.86	0.70	0.49	1.71	1.40	0.99	1.29		0.86	
10	63.1	1.22	.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	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	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	

Flat Webbing Slings

Manufactured to A.S. 1353 Parts 1 & 2 1997 - Safety Factor 8:1

Round Slings

Manufactured to A.S. 4497.1 - 1997 - Safety Factor 7:1

Webbing Slings & Round Slings										
Lifting Mode Capacity		Vertical W.L.L.	Choke W.L.L.	Basket W.L.L.	30° W.L.L.	60° W.L.L.	90° W.L.L.	120° W.L.L.	60° W.L.L.	60° Choke W.L.L.
Kg	Colour	Code	Kg	Kg	Kg	Kg	Kg	Kg	Kg	Kg
1,000	Violet	1,000	800	2,000	1,900	1,700	1,400	1,000	1,700	1,400
2,000	Green	2,000	1,600	4,000	3,800	3,400	2,800	2,000	3,400	2,800
3,000	Yellow	3,000	2,400	6,000	5,700	5,100	4,200	3,000	5,100	4,200
4,000	Grey	4,000	3,200	8,000	7,600	6,800	5,600	4,000	6,800	5,600
5,000	Red	5,000	4,000	10,000	9,500	8,500	7,000	5,000	8,500	7,000
6,000	Brown	6,000	4,800	12,000	11,400	10,200	8,400	6,000	10,200	8,400
8,000	Blue	8,000	6,400	16,000	15,200	13,600	11,200	8,000	13,600	11,200
10,000	Orange	10,000	8,000	20,000	19,000	17,000	14,000	10,000	17,000	14,000

Flat Webbing Sling

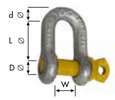
Round Sling

- All slings are made from 100% Polyester.
- W.L.L. is clearly marked on each sling.
- Colour coding on each sling for added safety.
- Protective sleeves are recommended for lifting sharp & rough cargoes.

Alloy Grade 'S' Shackles

Orange Painted Pin to A.S. 2741 - 2002
Safety Factor of 6

Dee Shackle with Screw Pin



Bow Shackle with Screw Pin

Dee Shackle with Safety Pin

Bow Shackle with Safety Pin

Working Load Limit - Metric Tonnes	Dia. Body d mm	Dia. Pin D mm	Inside Width W mm	Inside Length		Width of Bow B mm	Approx. Weight Screw Pin Kg	Approx. Weight Safety Pin Kg
				Dee Type L mm	Bow Type L mm			
.33	5	6	10	-	22	15	.02	-
.50	6	8	12	22	29	20	.06	.07
.75	8	10	13	26	31	21	.11	.13
1.00	10	11	17	32	37	26	.15	.17
1.50	11	13	18	37	43	29	.21	.25
2.00	13	16	21	41	48	33	.37	.44
3.25	16	19	27	51	61	43	.65	.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

Alloy Grade 80T Chain Slings

To A.S. 3775.2 - 2014
Safety Factor of 4

Chain	Single Leg Slings				Slings of 2, 3 or 4 legs				2 Leg Slings
Chain Size	Straight Sling	Adjustable Sling*	Reeved Sling	Basket Sling Max 60°	Straight Sling			Reeved Sling Max 60°	Basket Sling Max 60°
mm					60°	90°	120°		
6.0	1.1	1.1	0.8	1.5	1.9	1.6	1.1	1.5	2.5
7.0	1.5	1.5	1.1	2.0	2.6	2.1	1.5	2.0	3.4
8.0	2.0	2.0	1.5	2.6	3.5	2.8	2.0	2.6	4.5
10.0	3.2	3.2	2.4	4.1	5.5	4.5	3.2	4.1	7.2
13.0	5.3	5.3	4.0	6.9	9.2	7.5	5.3	6.9	11.9
16.0	8.0	8.0	6.0	10.4	13.8	11.3	8.0	10.4	18.0
20.0	12.5	12.5	9.4	16.3	21.6	17.6	12.5	16.3	28.1
22.0	15.0	15.0	11.3	19.5	26.0	21.2	15.0	19.5	33.8
26.0	21.2	21.2	15.9	27.6	36.7	29.9	21.2	27.6	47.7
32.0	31.5	31.5	23.6	41.0	54.5	44.4	31.5	41.0	70.9

CARE INSTRUCTIONS

- Store Chain Slings on A-frames or wall racks in a clean dry place.
- Lightly oil Chain Slings before prolonged storage.
- Never heat-treat Chain Slings.

USAGE GUIDELINES

- Always inspect a chain sling before use to ensure it is free from damage or wear.
- Ensure that the load is evenly distributed on all sling legs.
- Ensure that the chain is free of twists and is protected from any sharp corners on the load.
- Commence the lift slowly, taking up the slack gradually.
- When lowering, avoid the possibility of crushing the chain by ensuring that the load does not land on the chain or any component of the sling.

INSPECTION GUIDELINES

- It is important to inspect Chain Slings regularly and that an inspection record is kept for each chain sling.
- If necessary, clean the sling before inspection.
- Every chain link should be individually inspected for signs of wear, twisting, stretching, nicks or gouging. Any worn link should be measured to determine degree of wear.
- Oblong links and hooks should be inspected at their load bearing points for signs of wear or distortion, eg. Widening of hook throat opening.
- Defective chain links or fittings should be clearly marked to indicate rejection and the chain sling withdrawn from service until repaired.
- Connectors should be inspected for any signs of wear at their load bearing points, for excessive play of the load pin within the body halves and for impaired rotation of the body halves around the load pin.

Note: when reassembling a Hammerlok™ or Gr8 Connecting Link it is recommended that a new pin and stud assembly be used.

Refer to AS 3775.2 for further guidance.

The values expressed on this table exceed or meet the minimum requirements of AS3775.2:2014 and are stated in tonnes.

The above maximum working load limits are for general conditions of use to group classification of crane mechanisms of M3 as specified in AS1418.1.

WLL must never be exceeded, even at angles less than 60° degrees or if the load is flexible. For other than general conditions of use the WLL will be derated to conform to the group classification of crane mechanisms as specified in AS1418.1.

For basket slings and engineered lifts, please consult AS 3775.2014 Parts 1 or 2, accordingly.

D Indicates that WLL applies to both 'rectangular' and 'circular' load.
▲ Indicates nip angle which must not exceed 120°.
Indicates the sling angle is equal to twice the greatest angle of inclination of a leg to the vertical.

* Use of Grab Hook without cradle or supporting wings reduces the WLL of straight slings to that of reeved slings.

PWB ANCHOR

WIRE ROPE

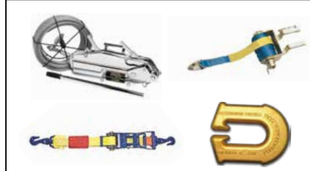
NATURAL & SYNTHETIC ROPE

HEIGHT SAFETY

MATERIALS HANDLING

HYDRAULIC EQUIPMENT

TRANSPORT & 4WD



RIGGING TOOLS

Lifting Victoria
LIFTING, RIGGING & HEIGHT SAFETY GEAR

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FURTHER INFORMATION
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DISCLAIMER:

This Working Load Limit Chart is provided as a guide only. When preparing lifting calculations please check the relevant Australian Standard.

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