

AUSTRALIAN LIFTING CENTRE PTY LTD

SLINGS RECOVERY STROPS

AUSTLIFT



 **AUSTLIFT®**

1300 100 120
WWW.AUSTLIFT.COM.AU

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AN ILLUSTRATION OF DIFFERENT SLING TYPES



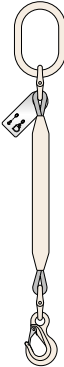
1 Leg Wire Sling
Thimble Eyes



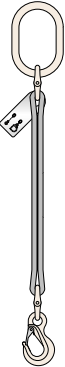
1 Leg Chain Sling
Grab & Sling hook



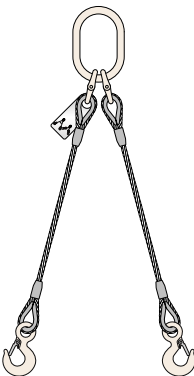
1 Leg Chain Sling
Grab & Self lock hook



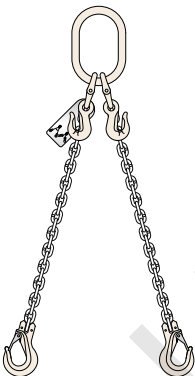
1 Leg Web Sling
Sling hook



1 Leg Round Sling
Sling hook



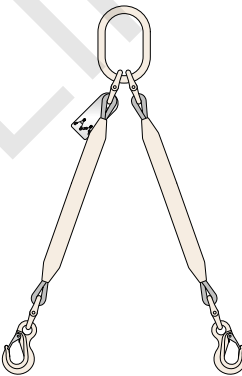
2 Leg Wire Sling
Thimble Eyes



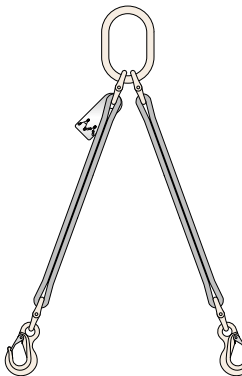
2 Leg Chain Sling
Grab & Sling hook



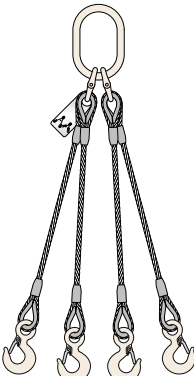
2 Leg Chain Sling
Grab & Self lock hook



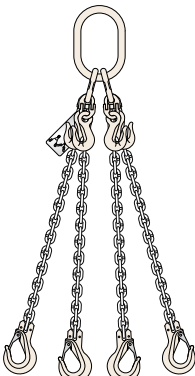
2 Leg Web Sling
Sling hook



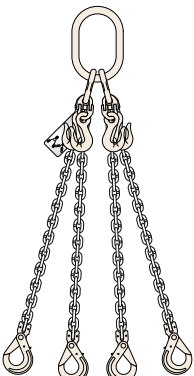
2 Leg Round Sling
Sling hook



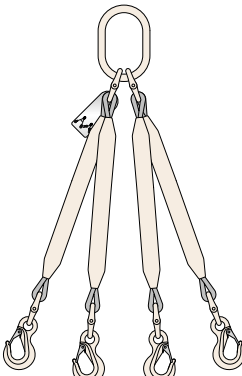
4 Leg Wire Sling
Thimble Eyes



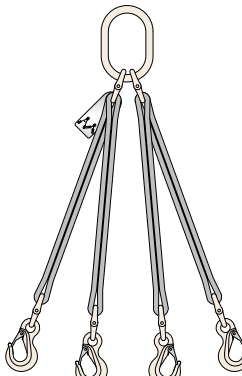
4 Leg Chain Sling
Grab & Sling hook



4 Leg Chain Sling
Grab & Self lock hook



4 Leg Web Sling
Sling hook



4 Leg Round Sling
Sling hook

Polyester Round Slings



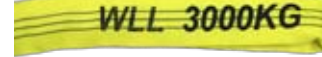
Every Austlift Sling is proof tested, individually serial numbered, tagged and comes with Test Certificate. Fabricated using 100% high tenacity polyester yarn and wound in a continuous hank to form an endless Sling. A durable and specially woven, 100% polyester non-load bearing tubular sleeve to give maximum wear protection to the yarn hank. Conforms to Australian Standard AS4497.1.



RS 1,000KG VIOLET	
CODE	LENGTH(M)
900105	0.5
900110	1.0
900115	1.5
900120	2.0
900125	2.5
900130	3.0
900135	3.5
900140	4.0
900150	5.0
900160	6.0
900180	8.0
900191	10.0



RS 2,000KG GREEN	
CODE	LENGTH(M)
900205	0.5
900207	0.7
900210	1.0
900215	1.5
900220	2.0
900225	2.5
900230	3.0
900235	3.5
900240	4.0
900250	5.0
900260	6.0
900270	7.0
900280	8.0
900291	10.0



RS 3,000KG YELLOW	
CODE	LENGTH(M)
900305	0.5
900310	1.0
900315	1.5
900320	2.0
900325	2.5
900330	3.0
900335	3.5
900340	4.0
900345	4.5
900350	5.0
900355	5.5
900360	6.0
900380	8.0
900391	10.0



RS 4,000KG GREY	
CODE	LENGTH(M)
900405	0.5
900410	1.0
900415	1.5
900420	2.0
900425	2.5
900430	3.0
900435	3.5
900440	4.0
900445	4.5
900450	5.0
900455	5.5
900460	6.0
900480	8.0
900491	10.0



RS 5,000KG RED	
CODE	LENGTH (M)
900510	1.0
900515	1.5
900520	2.0
900525	2.5
900530	3.0
900535	3.5
900540	4.0
900545	4.5
900550	5.0
900555	5.5
900560	6.0
900580	8.0
900591	10.0



RS 6,000KG BROWN	
CODE	LENGTH (M)
900610	1.0
900615	1.5
900620	2.0
900625	2.5
900630	3.0
900635	3.5
900640	4.0
900645	4.5
900650	5.0
900655	5.5
900660	6.0
900680	8.0
900691	10.0



RS 8,000KG BLUE	
CODE	LENGTH (M)
900810	1.0
900815	1.5
900820	2.0
900825	2.5
900830	3.0
900835	3.5
900840	4.0
900845	4.5
900850	5.0
900855	5.5
900860	6.0
900880	8.0
900891	10.0



RS 10,000KG ORANGE	
CODE	LENGTH (M)
901010	1.0
901015	1.5
901020	2.0
901025	2.5
901030	3.0
901035	3.5
901040	4.0
901045	4.5
901050	5.0
901055	5.5
901060	6.0
901080	8.0
901100	10.0



RS 12,000KG ORANGE	
CODE	LENGTH (M)
901230	3.0
901240	4.0
901250	5.0
901260	6.0
901280	8.0
901291	10.0
901292	12.0

RS 15,000KG ORANGE	
CODE	LENGTH (M)
901520	2.0
901560	6.0
901580	8.0
901592	12

RS 20,000KG ORANGE	
CODE	LENGTH (M)
902015	1.5
902020	2.0
902025	2.5
902030	3.0
902040	4.0
902045	4.5
902050	5.0
902060	6.0
902080	8.0
902100	10.0
902120	12.0

RS 30,000KG ORANGE	
CODE	LENGTH (M)
903025	2.5
903050	5.0
903060	6.0
903080	8.0
903100	10.0
903105	15.0

RS 40,000KG ORANGE	
CODE	LENGTH (M)
904050	5.0

RS 50,000KG ORANGE	
CODE	LENGTH (M)
905040	4.0
905060	6.0
905070	7.0
905080	8.0
905100	10.0



**When you choose Austlift™
You choose quality.**

Flat Webbing Sling

AustLift Flat Webbing Slings are manufactured to the specifications of Australian Lifting Centre & according to Australian Standard AS1353.1. Fabricated using 100% high tenacity polyester yarn and sewn with 2ply webbing. A durable and specially woven, 100% polyester with standard folded eyes that incorporates eye wear padding to provide maximum protection around the eyes. Each Sling is proof tested, individually serial numbered, tagged and complete with Test Certificates.



Note: Other variations available upon request

FS 1,000KG VIOLET	
width: 50mm	
CODE	LENGTH (M)
910105	0.5
910110	1.0
910115	1.5
910120	2.0
910125	2.5
910130	3.0
910135	3.5
910140	4.0
910145	4.5
910150	5.0
910155	5.5
910160	6.0
910170	7.0
910180	8.0
910190	9.0
910191	10.0

FS 2,000KG GREEN	
width: 60mm	
CODE	LENGTH (M)
910205	0.5
910210	1.0
910215	1.5
910220	2.0
910225	2.5
910230	3.0
910235	3.5
910240	4.0
910245	4.5
910250	5.0
910255	5.5
910260	6.0
910270	7.0
910280	8.0
910290	9.0
910291	10.0

FS 3,000KG YELLOW	
width: 90mm	
CODE	LENGTH(M)
910310	1.0
910315	1.5
910320	2.0
910325	2.5
910330	3.0
910335	3.5
910340	4.0
910345	4.5
910350	5.0
910355	5.5
910360	6.0
910365	6.5
910370	7.0
910380	8.0
910391	10.0

FS 4,000KG GREY	
width: 120mm	
CODE	LENGTH(M)
910410	1.0
910415	1.5
910420	2.0
910425	2.5
910430	3.0
910435	3.5
910440	4.0
910450	5.0
910460	6.0
910470	7.0
910480	8.0
910491	10.0

FS 5,000KG RED	
width: 120mm	
CODE	LENGTH(M)
910515	1.5
910520	2.0
910530	3.0
910540	4.0
910550	5.0
910560	6.0
910570	7.0
910580	8.0
910590	9.0
910591	10.0

FS 6,000KG BROWN	
width: 150mm	
CODE	LENGTH(M)
910615	1.5
910620	2.0
910630	3.0
910640	4.0
910650	5.0
910660	6.0
910670	7.0
910680	8.0
910690	9.0
910691	10.0
910692	12.0

FS 8,000KG BLUE	
width: 240mm	
CODE	LENGTH(M)
910815	1.5
910820	2.0
910830	3.0
910840	4.0
910850	5.0
910860	6.0
910870	7.0
910880	8.0
910890	9.0
910891	10.0

FS 10,000KG ORANGE	
width: 300mm	
CODE	LENGTH(M)
911030	3
911040	4
911050	5
911060	6
911080	8
911100	10

FS 15,000KG ORANGE	
width: 200mm	
CODE	LENGTH(M)
911560	6

Note: Other variations available upon request



Features

- Abrasion & cut resistant rubber
- Highstrength Nylon 6.6 load bearing core
- Individual serial number for traceability
- Smooth stretch (20%) assists recovery
- Safety in handling is a key feature & cleaning is not required after use

- Very flexible & light for access into awkward spaces & for attachment devices
- Easy to install with oval shaped eyelets sized to fit standard connections
- Oil, water, mud, & dust proof
- Far superior durability compared to fabric snatch-straps

Application

8 Tonne – 30 Tonne Break Strength:

Recreational 4WD & light commercial vehicles use the high elasticity (20%) & robust construction for recovery & towing use.

50 Tonne – 150 Tonne Break Strength:

Heavy Commercial, Industrial, Military vehicles use the high strength, light weight, elasticity (20%) & robust construction for recovery & towing use.

Features

- Abrasion & cut resistant rubber with a minimum 10mm thickness
- Very high strength Kevlar fibre load bearing core
- Ultra high strength to weight ratio
- Individual serial number for traceability
- Low & uniform elasticity (4%)
- Safety in handling is a key feature & cleaning
- Very flexible & light for access into awkward spaces & for attachment devices

Kevlar (Black Snake)

- Easy to install with steel eyelets sized to fit standard Shackle/pin connections
 - Superior durability compared to fabric snatch straps
 - Oil, water, mud & dust proof
 - Industrial grade machined steel inserts in eyelets
 - Machined holes in eyelets to accept standard Shackle Pins
 - Special eyelet configurations available on request
- Other sizes & configurations available.*

Application

Heavy commercial, industrial, military, & mining vehicles use the ultra high strength to weight ration & robust construction for recovery & towing use.

HOW TO DETERMINE THE MAXIMUM RECOMMENDED WEIGHT – TOWED OR BOGGED VEHICLE

STROP SIZE Breaking Strength	BOGGED VEHICLES Gross vehicle weight (G.V.W) of recovered or towed machine given inTonnes			TOWING ON INCLINED ROADWAYS Gross vehicle wieght (G.V.W) of recovered or towed machine given in Tonnes		
	Lightly bogged Slippery Conditions	Medium Bogged	Severly Bogged	10-1 Slope 10% Grade 6° incline	6-1 Slope 16% grade 9.5° incline	4-1 Slope 25% Grade 14° incline
8	16	8	5	30	20	12
12	24	12	8	50	30	20
15	30	15	10	60	40	25
20	40	20	15	80	50	35
30	60	30	20	120	80	50
50	100	50	35	200	130	80
70	140	70	50	270	180	120
100	200	100	70	400	250	170
150	300	150	100	600	380	250
200	400	200	140	800	500	340
300	600	300	200	1200	750	500

We will manufacture to suit your requirements. (6-8 weeks lead time)

PRE-ASSEMBLED GRADE 80 CHAIN SLINGS

- Complies to AS3775.1-2004
- Proof tested with Test Certificate & Stainless Steel WLL Safety Tag
- Plastic bucket & Lid provided with Sling Kits
- Other sizes & capacities available

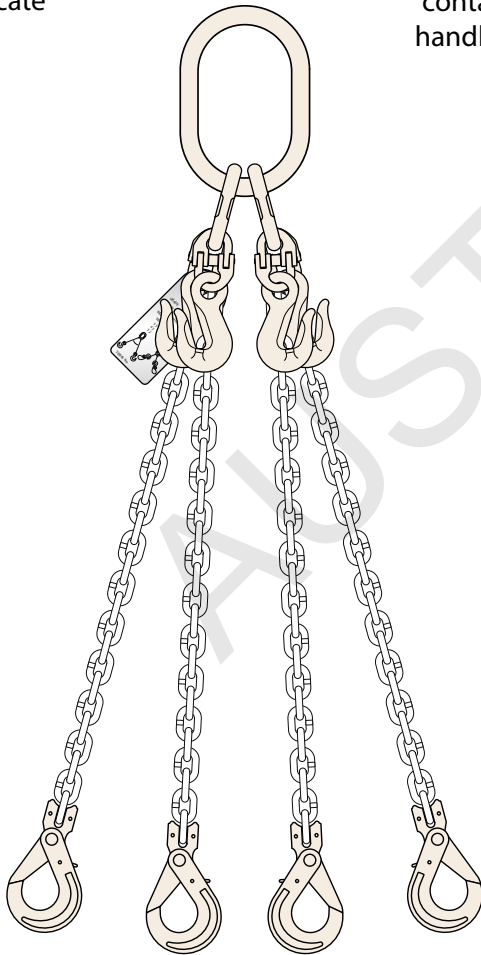
Fitted with WLL Safety tag



Slings accompany Test Certificate



Packed in PVC container for easy handling & storage



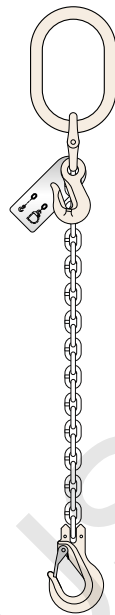
Hints on ordering Chain Slings

- How many legs you require for the chain Sling ?
- What size of chain you require or if not sure what is the maximum load to be lifted ?
- How long are the chain legs you require ?
- Do you require shorteners (grab hooks) on top of the Sling ?
- What end fitting (hooks) do you require on the end of the Sling ?

PRE-ASSEMBLED GRADE 80 CHAIN SLINGS

Single (1) Leg Chain Sling

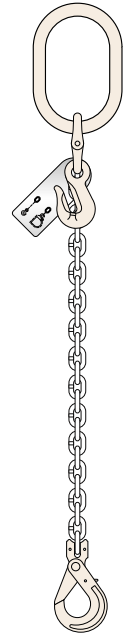
c/w Eye Grab Hook & Clevis Sling Hook + Safety Latch



CODE	CHAIN SIZE	Sling LENGTH
	mm	M
920611	6	1
920612	6	2
920613	6	3
920614	6	4
920615	6	5
920616	6	6
920711	7	1
920712	7	2
920713	7	3
920714	7	4
920715	7	5
920716	7	6
920811	8	1
920812	8	2
920813	8	3
920814	8	4
920815	8	5
920816	8	6
921011	10	1
921012	10	2
921013	10	3
921014	10	4
921015	10	5
921016	10	6
921311	13	1
921312	13	2
921313	13	3
921314	13	4
921315	13	5
921316	13	6

Single (1) Leg Chain Sling

c/w Eye Grab Hook & Clevis Self Locking Hook

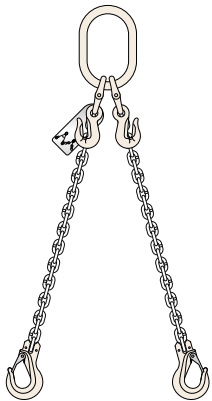


CODE	CHAIN SIZE	Sling LENGTH
	mm	M
930611	6	1
930612	6	2
930613	6	3
930614	6	4
930615	6	5
930616	6	6
930711	7	1
930712	7	2
930713	7	3
930714	7	4
930715	7	5
930716	7	6
930811	8	1
930812	8	2
930813	8	3
930814	8	4
930815	8	5
930816	8	6
931011	10	1
931012	10	2
931013	10	3
931014	10	4
931015	10	5
931016	10	6
931311	13	1
931312	13	2
931313	13	3
931314	13	4
931315	13	5
931316	13	6

PRE-ASSEMBLED GRADE 80 CHAIN SLINGS

Double (2) Leg Chain Sling

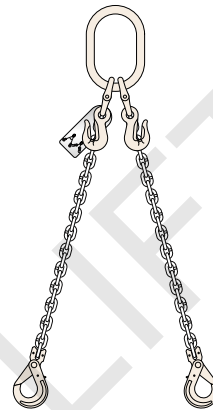
c/w Eye Grab Hook & Clevis Sling Hook + Safety Latch



CODE	CHAIN SIZE	Sling LENGTH
	mm	M
940621	6	1
940622	6	2
940623	6	3
940624	6	4
940625	6	5
940626	6	6
940721	7	1
940722	7	2
940723	7	3
940724	7	4
940725	7	5
940726	7	6
940821	8	1
940822	8	2
940823	8	3
940824	8	4
940825	8	5
940826	8	6
941021	10	1
941022	10	2
941023	10	3
941024	10	4
941025	10	5
941026	10	6
941321	13	1
941322	13	2
941323	13	3
941324	13	4
941325	13	5
941326	13	6

Double (2) Leg Chain Sling

c/w Eye Grab Hook & Clevis Self Locking Hook



CODE	CHAIN SIZE	Sling LENGTH
	mm	M
950621	6	1
950622	6	2
950623	6	3
950624	6	4
950625	6	5
950626	6	6
950721	7	1
950722	7	2
950723	7	3
950724	7	4
950725	7	5
950726	7	6
950821	8	1
950822	8	2
950823	8	3
950824	8	4
950825	8	5
950826	8	6
951021	10	1
951022	10	2
951023	10	3
951024	10	4
951025	10	5
951026	10	6
951321	13	1
951322	13	2
951323	13	3
951324	13	4
951325	13	5
951326	13	6

PRE-ASSEMBLED GRADE 80 CHAIN SLINGS

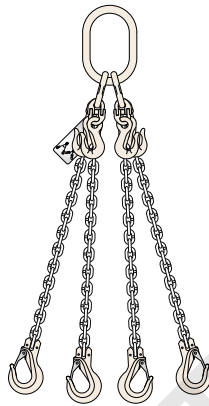
Quad (4) Leg Chain Slings

c/w Eye Grab Hook & Clevis Sling Hook + Safety Latch

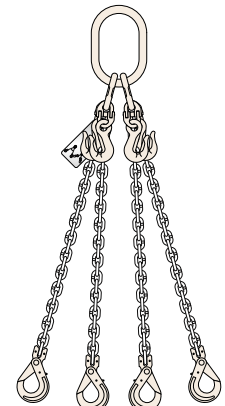
Quad (4) Leg Chain Slings

c/w Eye Grab Hook & Clevis Self Locking Hook

CODE	CHAIN SIZE	Sling LENGTH
	mm	M
960641	6	1
960642	6	2
960643	6	3
960644	6	4
960645	6	5
960646	6	6
960741	7	1
960742	7	2
960743	7	3
960744	7	4
960745	7	5
960746	7	6
960841	8	1
960842	8	2
960843	8	3
960844	8	4
960845	8	5
960846	8	6
961041	10	1
961042	10	2
961043	10	3
961044	10	4
961045	10	5
961046	10	6
961341	13	1
961342	13	2
961343	13	3
961344	13	4
961345	13	5
961346	13	6



CODE	CHAIN SIZE	Sling LENGTH
	mm	M
970641	6	1
970642	6	2
970643	6	3
970644	6	4
970645	6	5
970646	6	6
970741	7	1
970742	7	2
970743	7	3
970744	7	4
970745	7	5
970746	7	6
970841	8	1
970842	8	2
970843	8	3
970844	8	4
970845	8	5
970846	8	6
971041	10	1
971042	10	2
971043	10	3
971044	10	4
971045	10	5
971046	10	6
971341	13	1
971342	13	2
971343	13	3
971344	13	4
971345	13	5
971346	13	6

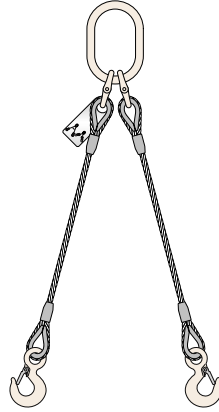


MACHINE SPLICED WIRE ROPE SLINGS

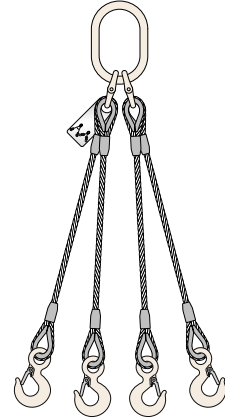
- Manufactured to AS 1666.1
- Test Certificates supplied with all Slings
- Wire Rope quoted will be 6x24FC G1570 grade construction
- All Slings quoted come complete with soft eyes only
- British Standard Thimbles extra upon request
- Hand spliced Wire Rope Sling available



Single Leg Sling



Two Leg Sling with Hooks



Four Leg Sling with Hooks

WORKING LOAD LIMITS (TONNES)

GRADE 80 (T) CHAIN SLINGS

DIA	DIRECT LOAD	ADJUSTABLE SLING	CHOKE HITCH	DIRECT LOAD			REEVED SLING			BASKET HITCH			REEVED SLING
				60°	90°	120°	60°	90°	120°	60°	90°	120°	
6	1.1	1.1	0.8	1.9	1.6	1.1	1.5	1.2	0.8	1.5	1.2	0.8	1.7
7	1.5	1.5	1.1	2.6	2.1	1.5	2.0	1.6	1.1	2.0	1.6	1.1	2.3
8	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0
10	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8
13	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0
16	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0
20	12.5	12.5	9.4	21.6	17.6	12.5	16.3	13.3	9.4	16.3	13.3	9.4	18.8
22	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5
26	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8
32	31.5	23.6	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3

SLING'S SAFE WORKING LOAD LIMIT CHART

ROPE Ø mm	REEVE LOAD			Round Basket Load			Oblong Basket Load			2,3 or 4 Leg Sling		
	Straight	Round	Oblong	0°	60°	90°	0°	60°	90°	0°- 60°	90°	120°
8	0.55	0.41	0.27	1.09	0.94	0.77	0.55	0.48	0.39	0.94	0.77	0.55
9	0.69	0.52	0.34	1.38	1.19	0.97	0.69	0.60	0.49	1.19	0.97	0.69
10	0.85	0.64	0.43	1.70	1.47	1.20	0.85	0.74	0.61	1.47	1.20	0.85
11	1.03	0.77	0.52	2.10	1.78	1.45	1.03	0.90	0.73	1.78	1.45	1.03
12	1.23	0.92	0.61	2.50	2.10	1.73	1.23	1.07	0.87	2.10	1.73	1.23
13	1.44	1.08	0.72	2.90	2.50	2.00	1.44	1.25	1.02	2.50	2.00	1.44
14	1.67	1.25	0.83	3.30	2.90	2.40	1.67	1.45	1.19	2.90	2.40	1.67
16	2.20	1.64	1.09	4.40	3.80	3.10	2.20	1.90	1.55	3.80	3.10	2.20
18	2.80	2.10	1.38	5.50	4.80	3.90	2.80	2.40	1.87	4.80	3.90	2.80
20	3.40	2.60	1.70	6.80	5.90	4.80	3.40	3.00	2.40	5.90	4.80	3.40
22	4.10	3.10	2.10	8.30	7.10	5.80	4.10	3.60	2.90	7.10	5.80	4.10
24	4.90	3.70	2.50	9.80	8.50	6.90	4.90	4.30	3.50	8.50	6.90	4.90
26	5.80	4.30	2.90	11.5	10.0	8.10	5.80	5.00	4.10	10.0	8.10	5.80
28	6.70	5.00	3.30	13.4	11.6	9.40	6.70	5.80	4.70	11.6	9.40	6.70
32	8.70	6.50	4.40	17.4	15.1	12.3	8.70	7.60	6.20	15.1	12.3	8.70










Notes for Wire Rope Sling lift mode chart

- The Working Load Limit values include a reduction factor of 0.95 this applies only to Slings with machine spliced eyes.
- Based on a safety factor of 5 to 1, the table apply to Slings used for general purpose lifting applications.
- The Sling shall be derated when the Sling is subject to unusual dynamic loading.
- The load factors and values are based on single part Sling leg.
- The Working Load Limit values may be increased by 50% for double-part Sling legs.
- Ensure that Wire Rope Slings have adequately protected from contact with sharp edges.
- Where the Ferrules sit on the Wire Rope Sling they shouldn't be bent around edges or sharp corners during loading.
- For Slings with other types of termination, the relevant factor for terminations shall be used.

Notes for 2,3 and 4 leg mode chart

- Where an endless Sling or soft eye of a Sling interfaces with a fitting the supporting surface of the fitting shall have a diameter not less than the rope diameter. Where the diameter of such a fitting is less than two rope diameters the Sling shall be derated by 50%.
- This method of rating general-purpose multi-leg Slings follows the principle that loads could be supported by only two legs, the other legs only balancing the load. It makes allowance for adverse conditions, such as unequal leg lengths, an uneven load shape, a rigid load and an off-centred centre of gravity.
- The WLL for a multi-leg Sling having an included angle of 60 degrees between the legs is the maximum WLL for the Sling, even when the included angle between the legs is less than 60 degrees. Under no circumstances should the included angle between the legs of a multi-leg Sling be allowed to exceed 120 degrees. The WLL of lifting components and end fittings of a multi-leg Sling should be considered when determining the maximum WLL of the Sling.

AUSTLIFT SLINGS LIFTING CHART

									
	M=1.0	M=0.8	M=2.0	M=1.9	M=1.7	M=1.4	M=1.0	M=1.7	M=1.4
COLOR CODE	VERTICAL WLL	CHOKE WLL	BASKET WLL	30° WLL	60° WLL	90° WLL	120° WLL	60° WLL	60° CHOKE WLL
	kg	kg	kg	kg	kg	kg	kg	kg	kg
VIOLET	1000	800	2000	1900	1700	1400	1000	1700	1400
GREEN	2000	1600	4000	3800	3400	2800	2000	3400	2800
YELLOW	3000	2400	6000	5700	5100	4200	3000	5100	4200
GREY	4000	3200	8000	7600	6800	5600	4000	6800	5600
RED	5000	4000	10000	9500	8500	7000	5000	8500	7000
BROWN	6000	4800	12000	11400	10200	8400	6000	10200	8400
BLUE	8000	6400	16000	15200	13600	11200	8000	13600	11200
ORANGE	10000	8000	20000	19000	17000	14000	10000	17000	14000
ORANGE	12000	9600	24000	22800	20400	16800	12000	20400	16800
ORANGE	15000	12000	30000	29500	25500	21000	15000	25500	21000
ORANGE	20000	16000	40000	38000	34000	28000	20000	34000	28000
ORANGE	30000	24000	60000	57000	51000	42000	30000	51000	42000
ORANGE	50000	40000	100000	95000	85000	70000	50000	85000	70000

* Remember the maximum WLL depends on the angle.

CORRECT SELECTION OF SYNTHETIC FLAT AND ROUND SLINGS

- There are a few things to consider when selecting the correct Sling for intended lifting operation.
- How many Slings required to conduct the lift safely.
- Select which Sling (flat or round) that will safely lift the load.
- Determine the load weight to be lifted take into account of the angle of the lift.
- Select the correct lifting mode to do the lift see chart above.
- Consider the correct length of Sling to lift the load.
- Does the lift require other fittings eg: Shackles Lifting Points etc...
- If object to be lifted has any sharp edges then protective sleeving should be considered.
- Consider the lifting environment such as hazardous chemicals and extreme temperature conditions that affect the safe use of the Sling.
- If you require further assistance selecting the correct Sling, contact our friendly staff at Australian Lifting Centre.

AUSTLIFT G100 CHAIN SLING

Austlift can make G100 Chain Slings to your requirement. Please call 1300 100 120 for a quote.

