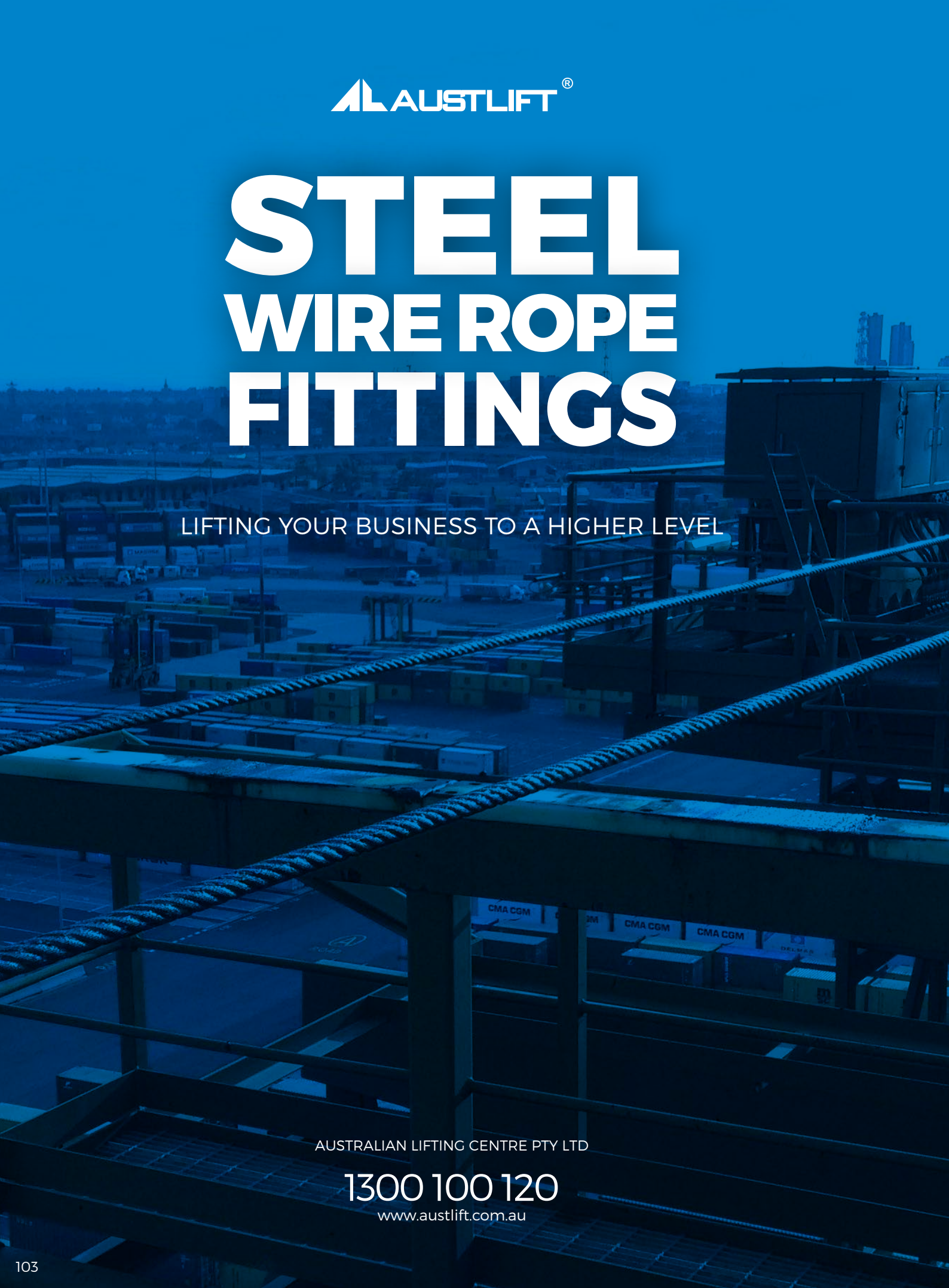
AUSTLIFT®

STEEL WIRE ROPE FITTINGS

LIFTING YOUR BUSINESS TO A HIGHER LEVEL



AUSTRALIAN LIFTING CENTRE PTY LTD

1300 100 120

www.austlift.com.au

Steel Wire Rope Fittings

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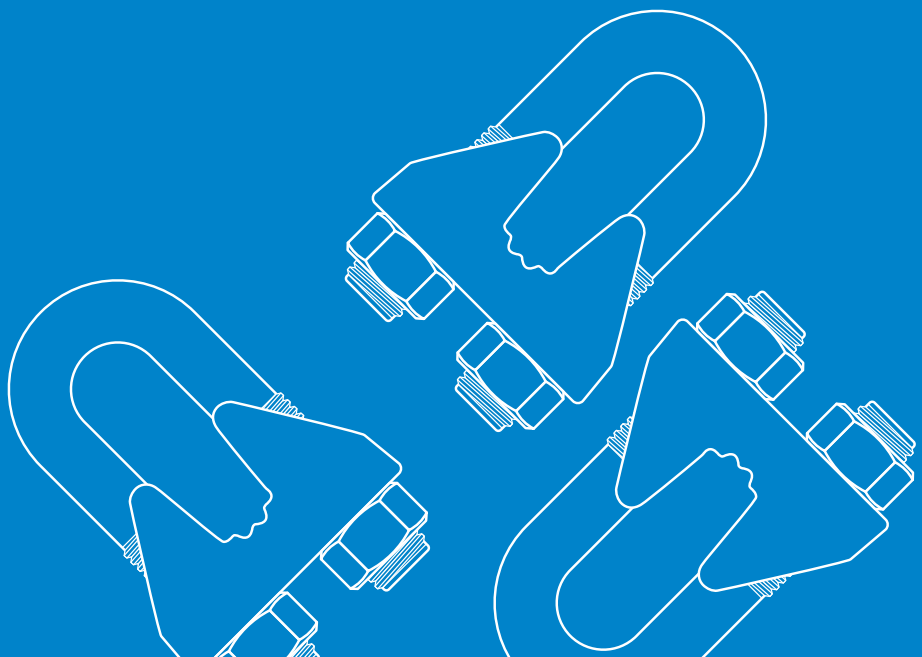


Wire Rope Grip

Correctly applied wire rope grips serve as a simple mechanical means of securing the end of steel wire rope. They are appropriate for temporarily securing the end of steel wire rope that may need to be shortened. They should not be used to secure a rope that is later to be lengthened from the gripped end.

Wire rope grips should not be used in lifting applications or rope terminations on load suspension devices that are used for lifting.

Wire rope grips should not be used for making terminations on live running ropes nor where a rope is required to support persons or suspended loads.

Types of Wire Rope Grip

AS Wire Rope Grips:
Not for lifting applications manufactured to AS2076, not to be used on live running ropes, supporting persons or suspending loads. The bridge of the grip shall be marked with the nominal size. Tested wire rope grips are used for applications where socketing or splicing is not feasible for temporary or non-permanent applications. Wire rope grips can be used in guying applications.

Commercial Grade Wire Rope Grips:
Not for lifting applications. Manufactured to duty applications. Usually supplied in electroplated finish.

Stainless Steel Wire Rope Grips:
Not to be used for lifting. These grips are not produced to any standard.

Double Base Wire Rope Grips:
Grips are commonly used for a higher grip hold of the wire rope. Also with the double base the grip tends not to damage the wire in case it requires lengthening.

LEEA
Full Member

Mechanical Type Wire Rope Slices

Many wire rope slings are now spliced by one of several types of mechanical splices, which mainly fall into two methods:

- Swaged aluminium alloy splices.
- Swaged or pressed steel collar splices.

Swaged Aluminium Alloy Splices

The rope is cut and passed through the unpressed elliptical shaped fitting. An eye is formed and the "dead end" of the rope pushed back into the fitting so that it lays parallel and against the main part of the rope. The aluminium alloy fitting is then put into special dies and pressed. This procedure requires fittings of this type to be carried out in the following manner:

Whipping is to be confined to non-performed ropes only and shall be of annealed wire of the smallest gauge practical and its length shall not exceed one-half of the diameter of the rope being spliced.

The completed splice on all rope 5mm diameter and greater is to be stamped with the identification mark of the company manufacturing the splice.

On all parallel fittings the "dead end" of the rope must protrude past the end of the fitting after pressing.

It is essential that all fittings used for these splices be obtained from the distributing company which holds the acceptance from this department.

Under no circumstance should substitute fittings or dies be used.

Swaged or Pressed Steel Collar Splices

This type of splice is only carried out on six strand preformed wire rope. The strands of the rope are unlayed and reformed to form a flemish eye. The steel collars are then swaged or pressed over the ends of the strands to prevent them from unlaying.

COMMERCIAL GRADE WIRE ROPE GRIP

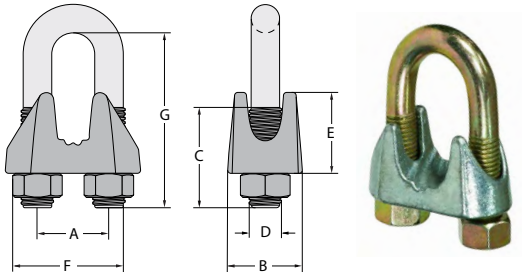
Heavy Duty Commercial wire Rope Grip /Clamps /Bullnose Grip

- Only genuine Austlift grips have a gold U-bolt for instant recognition.
- Heavy duty saddle and comes with larger nut size for greater tightening force.
- Sizes available are from 2mm to 25mm.
- Zinc plated finish on both U-bolt and saddle.
- Tolerances may vary for commercial products.

* NOT FOR LIFTING PURPOSES.

Size available **2-25**mm

WARNING
NOT FOR LIFTING PURPOSES



SIZE		CODE	Wt. (kg)	DIMENSIONS (mm)						
(in)	(mm)			A	B	C	D (in)	E	F	G
1/16	1.6-2	301002	0.014	9.5	12	12.5	3/16	10	20.5	18.5
1/8	3	301003	0.017	11	14	14	3/16	10.8	22	20
3/16	4-5	301005	0.03	14.5	15	16.5	1/4	13	26	24
1/4	6	301006	0.053	17	18.5	20	5/16	15	32	31.5
5/16	8	301008	0.06	18.3	20	22	5/16	16	35	34
3/8	9-10	301010	0.103	22.5	22	27	3/8	22	40.5	41.8
1/2	12-13	301013	0.21	27	26	33	7/16	23.3	49	51
9/16	14	301014	0.23	30	27.5	35	1/2	26	54	54
5/8	16	301016	0.25	32.5	28.5	40	1/2	28	57.5	59
3/4	19-20	301020	0.37	34.5	30	42	9/16	32	59.5	68.5
7/8	22	301022	0.5	41	35	46	5/8	37	69	78
1	25	301025	0.6	45.5	38	55	5/8	41	75	87.5

Double Throated Wire Rope Grip

- Only genuine Austlift grips have a gold U-bolt for instant recognition.
- Heavy duty double saddle and comes with larger nut size for greater tightening force.
- Sizes available are from 8mm to 16mm.
- Zinc plated finish on both U-bolt and saddle.

* NOT FOR LIFTING PURPOSES.

Size available **8-16**mm

AS/NZS **2076**

WARNING
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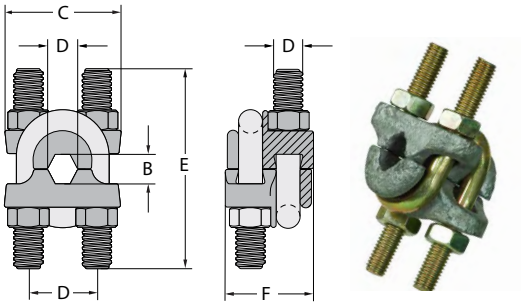

SIZE (mm)	CODE	Wt. (kg)	DIMENSIONS (mm)						
			A	B	C	D	E	F	G
8	301608	0.228	9	11	46	27	85	39	M8
10-12	301612	0.355	12	14	51	30	90	40	M10
16	301616	0.460	17	19	53	32	95	46	M10

Australian Standard Wire Rope Grip

- Conforms to AS2076 and marked with AS and size under saddle.
- Designed for Austlift wire rope.
- Heavy duty cast steel saddle and hi tensile U-bolt comes with larger nut size for greater tightening force.
- 6mm and 8mm U-bolt with dacromet finish.
- Sizes available are from 6mm to 52mm.
- Hot dipped galvanized finish on both U-bolt and saddle.

AS/NZS 2076

Size available 6-52mm

WARNING
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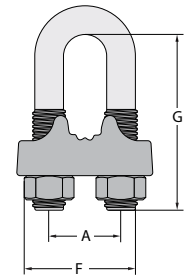
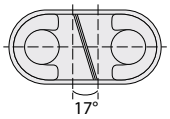
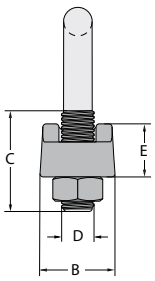






SIZE (mm)	CODE	Wt. (kg)	DIMENSIONS (mm)						
			A	B	C	D (in)	E	F	G
6	301506	0.04	14	15	20	M6	12	28	26
8	301508	0.069	18	19	22	M8	14	34	32
10	301510	0.12	20	23	27	M10	17	42	40
11-12	301512	0.132	22.3	28	32	M12	20	50	48
13-14	301514	0.223	27	32	38	M12	22	52	52
16	301516	0.351	31	32	41	M14	26	66	64
18	301518	0.488	35	38	47	M16	27	68	68
20	301520	0.98	43	46	58	M20	36	89	88
22	301522	1.123	40	46	58	M20	32	72	92
26	301526	1.425	50	50	61	M20	38	90	96
28	301528	1.56	52	50	66	M22	39	92	104
32	301532	1.9	56	55	70	M22	41	112	120
36	301536	1.941	60.5	55	75	M24	43	84.5	131
44	301544	3.0	73	62	90	M27	52	135	150
52	301552	4.2	85	69	103	M30	56	154	185

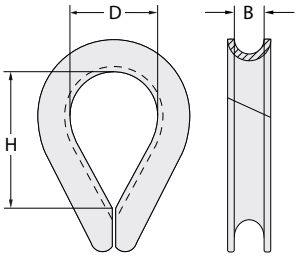
* PLEASE GO UP A SIZE IF THE WIRE ROPE IS IN BETWEEN SIZES.

Commercial Grade Thimble

- Commercial Thimbles are recommended for light duty applications.
- Zinc plated finish and made from light gauge steel.
- Sizes available are from 3mm to 25mm.
- Tolerances may vary for commercial products.

Size available 3-25mm

WARNING
NOT FOR LIFTING PURPOSES



SIZE (mm)	CODE	Wt. (kg)	DIMENSIONS (mm) ±5%		
			B	D	H
3-4	302004	0.015	4	17.25	32.75
5	302005	0.015	5	17.25	32.75
6	302006	0.018	7	17.25	32.75
8	302008	0.03	8.5	20.25	37.5
10	302010	0.043	10.25	23.5	40.75
12	302012	0.062	13.25	28.25	47
16	302016	0.105	16.5	34.5	56.25
20	302020	0.215	19.5	40.75	62.5
22	302022	0.34	23.5	47	87.5
25	302025	0.48	26.5	62.5	106.25

Australian Standard Gold Tip Thimble

FOR LIFTING PURPOSES

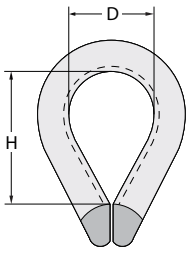
- AS Thimbles are recommended for heavy duty applications.
- Made from heat treated high tensile steel material.
- Sizes available are from 6mm to 52mm.
- Hot dipped galvanized finish.
- Can be used in -40° temperature.

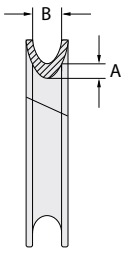
AS/NZS 1138

Size available 6-52mm

SIZE (mm)	CODE	MBF (kN)	Wt. (kg)	DIMENSIONS (mm) ±5%			
				A	B	H	D
6	302506	20.9	0.04	4	7	25	16
8	302508	40.2	0.052	5	7.9	33	22
10	302510	63.1	0.08	5	10.3	38	25
11	302511	76.3	0.09	6	12.7	41	29
12	302512	90.8	0.13	6	14.3	44	32
14	302514	124	0.15	7	15	46	38
16	302516	161	0.26	8	15.9	59	41
18	302518	204	0.35	8	18	65	46
19	302519	230	0.40	9	20.6	73	51
20	302520	252	0.50	10	21.6	75	52
22	302522	305	0.62	10	22.2	83	57
24	302524	363	0.9	11	25.4	92	64
26	302526	426	1.0	11	27	111	72
28	302528	494	1.1	12	28.6	111	76
32	302532	646	1.3	14	33.4	133	95
36	302536	817	2.2	16	38	152	105
40	302540	1010	3.2	18	43	165	114
44	302544	1220	5.6	20	47	178	127
48	302548	1450	8.2	22	51	190	134
52	302552	1710	11.0	22	55	203	140

Gold Tip Painted





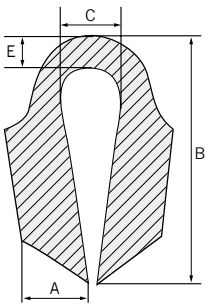
Semi-Closed Thimble

FOR LIFTING PURPOSES

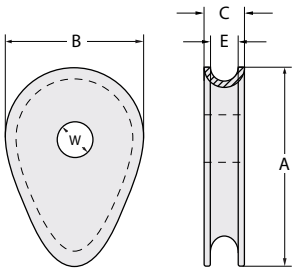
- Use for anchor wraps and permanent mooring wraps.
- Helps protect the rope eye from chaffe.
- Keep rope well located on the thimble.

Size available 10-52mm

FOR WIRE Max. (mm)	CODE	MBF (kN)	Wt. (kg)	DIMENSIONS (mm) ±5%				
				A	B	C	D	E
10	302410	63.1	0.25	12	90	23	4.0	8
12	302412	90.8	0.42	15	105	27	5.0	10
14	302414	124	0.50	17	115	27	4.0	10
16	302416	161	0.60	19	120	32	6.0	12
18	302418	204	0.75	22	140	35	6.0	15
22	302422	305	1.40	25	180	45	6.3	16
24	302424	363	1.75	28	180	45	7.0	16
26	302426	426	2.00	30	195	47	7.0	18
32	302432	646	2.40	35	215	60	7.0	22
38	302438	910	3.30	45	260	70	7.0	27
52	302452	1710	5.50	55	298	85	7.0	32



Solid Thimble (With Pilot Hole, Hot dip Gal)



FOR LIFTING PURPOSES

Austlift solid heart thimbles are commonly used to terminate crane ropes and are ideal where the thimble is required to interface directly with a rigging screw, turnbuckle or other rigging accessory where limited articulation is desired.

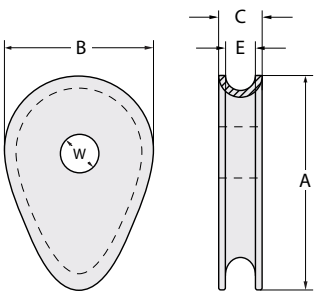
- Made from heat treated high tensile steel material.
- Hot dipped galvanized finish.
- Refer to the Australian Standards for advice on drilling larger hole sizes.
- Pre-drilled pilot hole.

AS/NZS 1138 | Size available 14-40mm | High Tensile Steel

SIZE (mm)	CODE	MBF (kN)	Wt. (kg)	DIMENSIONS (mm)				
				A	B	C	E	W
14	302914	124	0.7	56	40	15	9	10
16	302916	161	1	70	50	17.5	11	10
18	302918	204	1.49	130	90	28.5	20	10
20	302920	252	1.93	140	100	31	22	10
28	302928	494	5.0	200	140	42	31	10
32	302932	646	6.7	220	160	47	35	10
40	302940	1010	12.7	280	200	58	44	10

* Discontinued Product, while stock last.

Pre-drilled Solid Thimble



FOR LIFTING PURPOSES

Solid thimbles are recommended where loads can be connected to a nolt or pin.

- Made from heat treated high tensile steel material.
- Hot dipped galvanized finish.
- Other drilled hole sizes are available at additional charge.
- Refer to the Australian Standards for advise on drilling larger hole sizes.

AS/NZS 1138 | Size available 18-40mm | High Tensile Steel

SIZE (mm)	CODE	MBF (kN)	Wt. (kg)	PRE DRILLED (HOLE SIZE)	DIMENSIONS (mm)				
					A	B	C	E	W
18	302605	204	1.19	30mm	130	90	28.5	20	30
20	302610	252	1.57	35mm	140	100	31	22	35
22	302615	305	2.02	38mm	150	110	33.5	24	38
24	302620	363	2.57	41mm	170	120	36	26	41
26	302625	426	3.55	44mm	180	130	39.5	29	44
28	302630	494	4.0	47mm	200	140	42	31	47
32	302635	646	5.84	53mm	220	160	47	35	53
36	302640	817	8.35	59mm	250	180	53	40	59
40	302645	1010	11.28	65mm	280	200	58	44	65

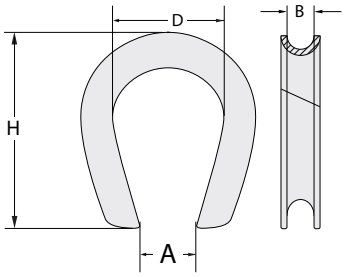
Australian Standard Open Thimble

FOR LIFTING PURPOSES

Austlift open type thimbles are for applications where a fitting may be placed into the thimble without opening the thimble and can be closed back to intended form.

- AS thimbles are recommended for lifting applications.
- Conforms to AS1138 and hot dipped galvanized finish.
- Made from heat treated high tensile steel material.
- Sizes available are from 10mm to 20mm.

AS/NZS 1138 | Size available 10-20mm | High Tensile Steel



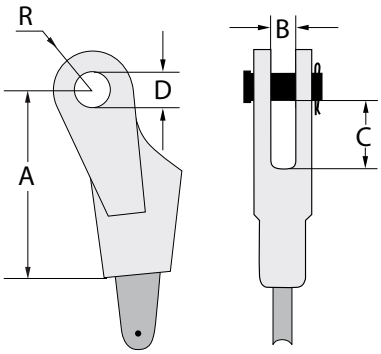
SIZE (mm)	CODE	MBF (kN)	Wt. (kg)	DIMENSIONS (mm)			
				A	B	D	H
10	302810	63.1	0.09	21	12	30	60
12	302812	90.8	0.13	21	16	37	65
16	302816	161	0.26	25	20	50	88
20	302820	252	0.55	25	24	60	90

Wedge Socket (Open Type, Clevis)

Austlift open wedge socket is fitted to a wire rope. The nominal diameter of the wire rope shall be equal to the nominal size of the wedge-type socket and the loaded end of the rope shall enter the socket body so that when loaded it will not bend where it leaves the socket body. Suitable for rope termination such as crane rope applications.

- Manufactured from forged alloy steel material.
- Proof loaded 2 x WLL and break tested to 4 x WLL.
- Complies to AS2740 with test certificate with each fitting.

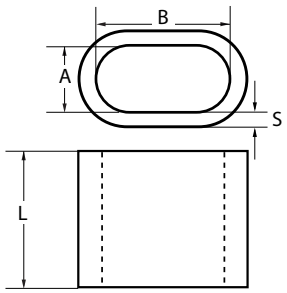
AS/NZS 2740 | Certified | Proof loaded x2 WLL | Break tested x4 WLL | Forged Alloy Steel | Size available 10-32mm



SIZE (mm)	CODE	WLL (T)	Wt. (kg)	DIMENSIONS (mm)				
				A	B	C	D	R (in)
10	308010	1.5	1	120	16.5	37.7	20	25
12	308012	2	1.7	155	21.3	66	25	30
13-14	308014	2.5	4	185	23.5	80	30	35
16	308016	3	3.27	195	28.2	80	34	42
18	308018	3.5	4	195	28	81	36	44
19-20	308020	5.1	5.45	220	31.9	82	38	50
22	308022	5.6	6.37	240	31.9	100	40	52
24	308024	6.6	8.32	260	34.3	100	50	60
26	308026	7.5	10.16	280	38	100	55	65
28	308028	9.5	13.94	305	40.2	100	55	70
32	308032	12	17.94	360	43.9	120	65	77

FERRULES

Copper Ferrule



Austlift copper type ferrules made to EN standard and mainly used for stainless steel wire rope to form an eye for wire rope slings, winch cable etc.

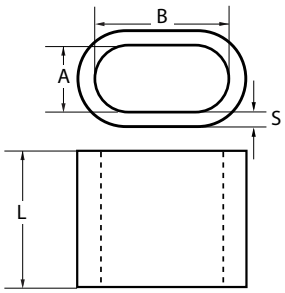
- High quality ferrules and conforms to EN13411.
- Copper hydraulic machine press type.
- Sizes from 1.5mm to 16mm.
- For turn-back wire rope splicing.
- Stamped with identification mark.

EN 13411

Size available 1.5-16mm

SIZE (mm)	CODE	Wt. (g)	DIMENSIONS (mm)			
			A	B	S	L
1.5	304015	0.4	1.8	3.6	1.05	6
2	304020	0.6	2.4	4.8	0.85	7
2.5	304025	0.8	2.7	5.4	1.1	9
3	304030	2.6	3.3	6.6	1.35	11
3.5	304035	4.4	3.9	7.8	1.6	13
4	304040	7	4.3	8.8	1.7	14
5	304050	11.8	5.6	11.2	2.1	18
6	304060	12	6.7	13.4	2.5	21
6.5	304065	25	6.9	14	2.7	23
8	304080	46	8.5	17	3.5	28
9	304090	80	9.9	19.8	3.7	32
10	304100	90	10.9	21.8	4.1	35
12	304120	150	13.2	26.4	4.9	42
14	304140	240	15.3	30.6	5.8	49
16	304160	374	17.5	35	6.7	56

Nickel Plated Copper Ferrule
(Hand Swaged)



Austlift nickel plated copper type hand pressed ferrules made to EN standard and mainly used for stainless steel wire rope to form an eye for wire rope slings, balustrade etc.

- Hand pressed type with use of crimping tool.
- For turn-back wire rope splicing.
- Nickel plated to match rope colour.

EN 13411

Size available 1.5-4mm

SIZE (mm)	CODE	Wt. (g)	DIMENSIONS (mm)			
			A	B	S	L
1.5	305015	0.4	1.8	3.6	1.05	6
2	305020	0.6	2.4	4.8	0.85	7
2.5	305025	0.8	2.7	5.4	1.1	9
3	305030	2.6	3.3	6.6	1.35	11
3.5	305035	4.4	3.9	7.8	1.6	13
4	305040	7	4.3	8.8	1.7	14

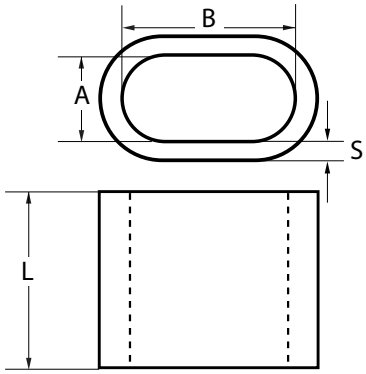
Aluminium Ferrule

Austlift aluminium type ferrules made to EN standard and mainly used for steel wire rope to form an eye for wire rope slings, winch cable etc.

- Aluminium hydraulic machine press type.
- For turn-back wire rope splicing.
- Stamped with identification mark.
- Aluminium ferrulers machine swaged only.

EN 13411

Size available 1.5-54mm



SIZE (mm)	CODE	Wt. (g)	DIMENSIONS (mm)			
			A	B	S	L
1.5	303015	0.211	1.7	3.4	0.75	6
2	303020	0.375	2.2	4.4	0.85	7
2.5	303025	0.499	2.7	5.4	1.05	9
3	303030	0.843	3.3	6.6	1.25	11
3.5	303035	1.32	3.8	7.6	1.5	13
4	303040	1.81	4.4	8.8	1.7	14
4.5	303045	2.61	4.9	9.8	1.9	16
5	303050	3.57	5.5	11	2.1	18
6	303060	5.86	6.6	13.2	2.5	21
6.5	303065	7.55	7.2	14.4	2.7	23
8	303080	13.7	8.8	17.6	3.3	28
9	303090	19.8	9.9	19.8	3.7	32
10	303100	26.4	10.9	21.8	4.1	35
11	303110	35.8	12.1	24.2	4.5	39
12	303120	45.8	13.2	26.4	4.9	42
13	303130	59.7	14.2	28.4	5.4	46
14	303140	73.5	15.3	30.6	5.8	49
16	303160	111	17.5	35	6.7	56
18	303180	156	19.6	39.2	7.6	63
20	303200	217	21.7	43.4	8.4	70
22	303220	292	24.3	48.6	9.2	77
24	303240	376	26.4	52.8	10	84
26	303260	481	28.5	57	10.9	91
28	303280	603	31	62	11.7	98
30	303300	739	33.1	66.2	12.5	105
32	303320	897	35.2	70.4	13.4	112
34	303340	1077	37.8	75.6	14.2	119
36	303360	1275	39.8	79.6	15	126
38	303380	1503	41.9	83.8	15.8	133
40	303400	1734	44	88	16.6	140
42	303420	2024	46.2	92.4	17.5	147
44	303440	2314	48.4	96.8	18.3	154
46	303460	2662	50.6	101.2	19.2	161
48	303480	3010	52.8	105.6	20	168
52	303520	3813	57.2	114	21.6	182
54	303540	4293	59.4	118	22.5	189

* Note: Please confirm upon order re-applied wire rope, as Ferrule sizes differ for FC & IWRC wire rope during swaging

WARNING

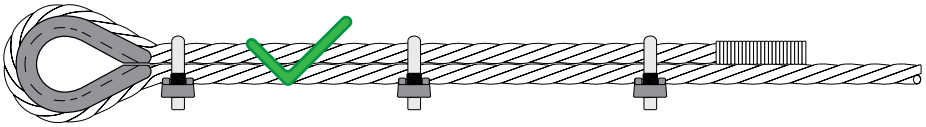
WARNING

- Failure to read, understand, and follow these instructions may cause death or serious injury.
- Read and understand these instructions before using ferrules.
- Match the same size ferrules to the same size wire rope as per chart below.
- Do not use with plastic coated wire rope. Strip plastic coating before assembly.

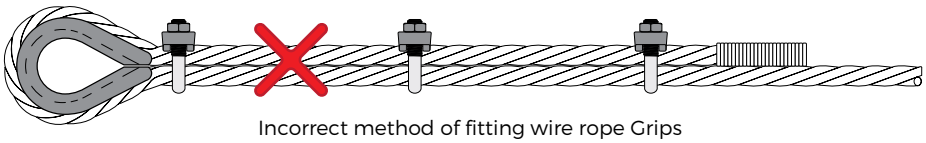
FERRULES SELECTION CHART

WIRE ROPE			CASE 1	CASE 2	CASE 3
NOMINAL DIAMETER (mm)	MEASURED		SINGLE LAYER ROUND STRAND ROPES WITH WIRE CORE NON-ROTATING ROPE & PARALLEL CLOSED ROPE.	SINGLE LAYER ROUND STRAND WITH FIBRE CORE & CABLE LAID ROPE.	SINGLE LAYER ROUND STRAND ROPES WITH WIRE CORE & NON-ROTATING ROPE
	FROM (mm)	TO (mm)			
2.5	2.5	2.7	-	2.5	3
3	2.8	3.2	-	3	3.5
3.5	3.3	3.7	-	3.5	4
4	3.8	4.3	-	4	4.5
4.4	4.4	4.8	-	4.5	5
5	4.9	5.4	-	5	6
6	5.5	5.9	-	6	6.5
	6	6.4	7		
6.5	6.5	6.9	8	6.5	7
7	7	7.4	9	7	8
8	7.5	7.9	9	8	9
	8	8.4	10		
9	8.5	8.9	10	9	10
	9	9.5	11		
10	9.6	9.9	11	10	11
	10	10.5	12		
11	10.6	10.9	12	11	12
	11	11.6	13		
12	11.7	11.9	13	12	13
	12	12.6	14		
13	12.7	12.9	14	13	14
	13	13.7	16		
14	13.8	13.9	16	14	16
	14	14.7	18		
16	14.8	15.9	18	16	18
	16	16.8	20		
18	16.9	17.9	20	18	20
	18	18.9	22		
20	19	19.9	22	20	22
	20	21	24		
22	21.1	21.9	24	22	24
	22	23.1	26		
24	23.2	23.9	26	24	26
	24	25.2	28		

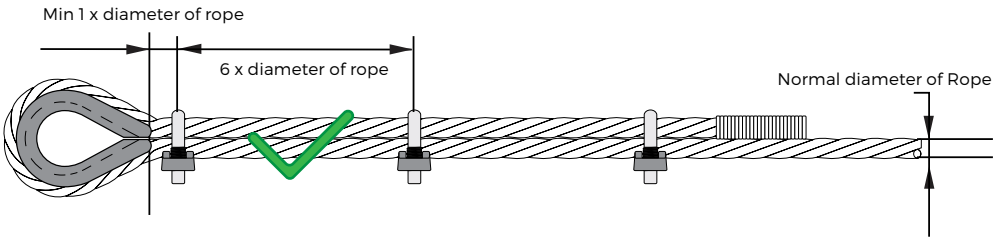
HOW TO USE WIRE ROPE GRIPS



Correct method of fitting wire rope grips



Incorrect method of fitting wire rope Grips



ATTACHMENT OF WIRE-ROPE GRIPS			
NOMINAL SIZE OF WORE-ROPE GRIP (mm)	NOMINAL SIZE OF THREAD OF BOLT OR STUD (mm)	MINIMUM NUMBER OF WIRE-ROPE GRIPS	TIGHTENING TORQUE N.m
8	8	3	6
10	10	3	16
12	12	3	24
14	12	4	35
16	16	4	50
18	16	4	65
22	16	4	100
26	20	5	135
28	20	5	160
32	20	6	210
36	24	6	275
40	24	6	365
44	28	8	* 420
52	32	8	* 580
* The tightening torque for wire rope that is larger than 40mm are based on Austlift recommendation.			

ATTACHMENT OF WIRE-ROPE GRIP

STEP 1: Refer to Figure 1 in following these instructions. Turn back specified amount of rope from thimble or loop. Apply first grip one base width from dead end of rope. Apply U-bolt over dead end of wire rope – live end rests in saddle (Never saddle a dead horse!) Use torque wrench to tighten, evenly alternating from one nut to the other until reaching the recommended torque.

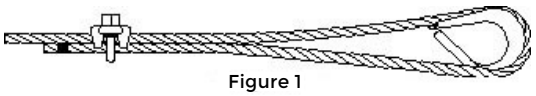


Figure 1

STEP 2: When two grips are required, apply the second grip as near the loop or thimble as possible. Use torque wrench to tighten, evenly alternating until reaching the recommended torque. When more than two grips are required, apply the second grip as near the loop or thimble as possible, turn nuts on second grip firmly, but do not tighten. Proceed to Step 3.

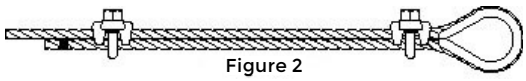


Figure 2

STEP 3: When three or more grips are required, space additional grips equally between the first two - take up rope slack - use torque wrench to tighten on each U-bolt, evenly alternating from one nut to the other until reaching recommended torque.

Figure 3

STEP 4: The preferred method of splicing two wire ropes together is to use interlocking turn back eyes with thimbles, using the recommended number of grips on each eye (See Figure 4).
An alternate method is to use twice the number of grips as used for a turn back termination. The rope ends are placed parallel to each other, overlapping by twice the turn back amount shown in the application instructions. The minimum number of grips should be installed on each dead end (See Figure 5). Spacing, installation torque, and other instructions still apply

Figure 4

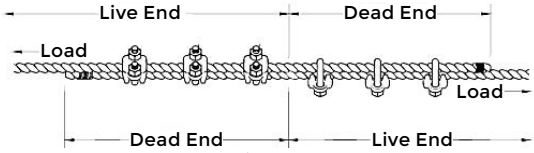


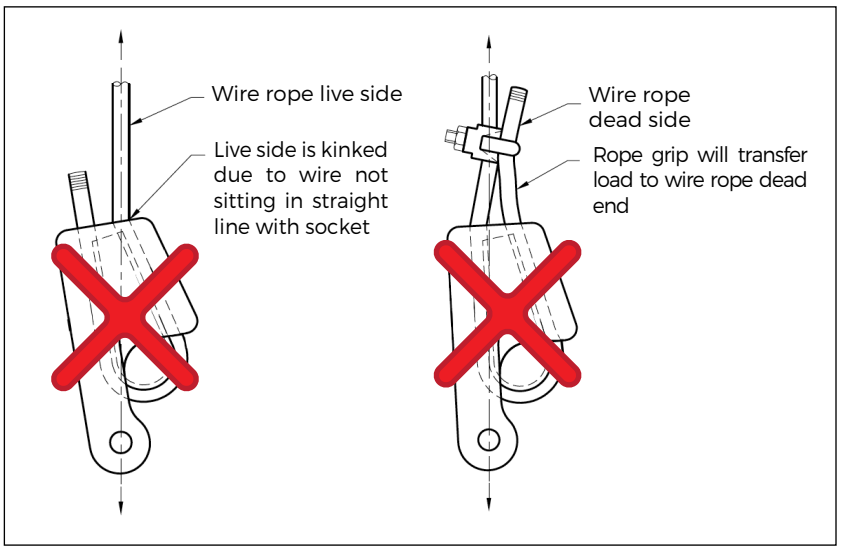
Figure 5

IMPORTANT

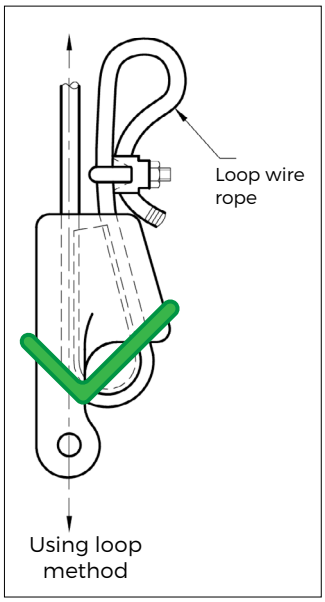
Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and use torque wrench to retighten to recommended torque. In accordance with good rigging and maintenance practices, the wire rope end termination should be inspected periodically for wear, abuse, and general adequacy.

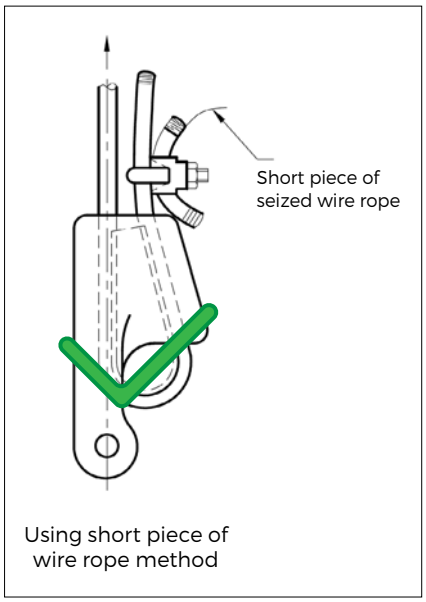
WEDGED SOCKET INFORMATION

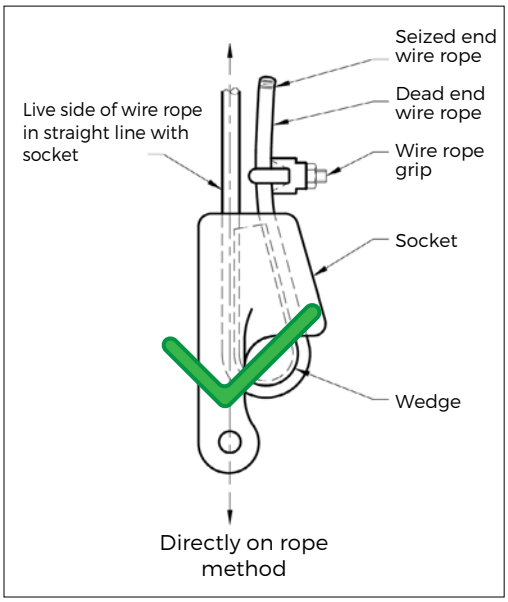
WARNING INCORRECT METHODS FOR FITTING



Wedge Socket Safety Installation







Note: When using wire rope grip this way, make sure enough thread of U-bolt has protruded so that it is allowed for positive clamping if not use space beneath the nut to achieve positive clamping of rope grip.

Safety Information For Wedge Socket

Inspection/Maintenance Safety

- Always inspect socket, wedge and pin before operation.
- Do not use part if displaying cracks, nicks or gouges or any other visible damage.
- Do not use modified or substitute parts. Only use Austlift genuine parts.
- Repair minor nicks or gouges to socket or pin by lightly filling until surfaces are smooth.
- Do not reduce original dimension more than 10%. Do not repair by welding any part of wedge socket.
- Inspect permanent assemblies periodically, or more often in severe operating conditions.
- Do not mix and match wedges or pins between models or sizes always use the same brands.
- Always select the proper wedge and socket for the wire rope size.

Operating Safety

- Apply first load to fully seat the wedge and wire rope in the socket, ensure the load is equal or greater weight than loads expected in use.
- Efficiency rating of the wedge socket termination is based upon the catalogue breaking strength of wire rope. The efficiency of a properly assembled wedge socket is 80%.
- During use, do not damage the dead end section with any other elements of the rigging equipment.

WARNING

- Loads may slip or fall if the wedge socket is not properly installed.
- A falling load can seriously injure or kill personnel.
- Read and understand these instructions before installing the wedge socket.
- Do not side load the wedge socket in any way.
- Apply first load to fully seat the wedge and wire rope in the socket. This load should be of equal or greater weight than loads expected in use.