



1300 100 120
WWW.AUSTLIFT.COM.AU



CATALOGUE

VERSION 3

AUSTRALIAN LIFTING CENTRE PTY LTD



LIFTING YOUR BUSINESS TO A HIGHER LEVEL





Contents

| | | |
|---------------------------------------|---------|------------|
| Company Introduction | 1-6 | |
| G100 Chain & Fittings | 7-18 | SECTION 1 |
| Alloy Chain & Fittings | 19-48 | SECTION 2 |
| Lifting & Material Handlings Products | 49-66 | SECTION 3 |
| Load Restraint Products | 67-90 | SECTION 4 |
| Steel Wire Rope Fittings | 91-106 | SECTION 5 |
| Turnbuckles & Rigging Screws | 107-118 | SECTION 6 |
| Shackles | 119-128 | SECTION 7 |
| Eye Nuts & Eye Bolts | 129-138 | SECTION 8 |
| Non-Alloy & Stainless Steel Fittings | 139-148 | SECTION 9 |
| Steel Wire Ropes | 149-164 | SECTION 10 |
| Lifting Slings | 165-178 | SECTION 11 |
| Personal Protection Equipment | 179-216 | SECTION 12 |

THE COMPANY

Australian Lifting Centre Pty Ltd (ALC) is a family owned Australian company. Our Head Office is located in Sydney NSW with branches in Brisbane, Melbourne and Perth. ALC has become a well renown Wholesaler of Lifting, Load Restraint and Hardware products. The quality of our product, pricing & customer service is regarded as one of the best in the market place.

COMPANY VALUE

We are committed to the highest standards of ethics and integrity. We are responsible to our customers, to our employees, to the environment we inhabit, and to the industry we serve. For achieving the highest value, we do not take professional or ethical shortcuts with our products. We believe any Wholesale business growth must be with its dealers or agents.

QUALITY ASSURANCE & PRODUCT LIABILITY INSURANCE

ALC has implemented very high standards with all its manufacturers. Our company policy embraces Australian Standards and certifying of the entire range of AustLift and LoadMax products prior to any distribution

ALC products are covered within the companies liability insurance with AMP Australia, the insured sum being over \$500M.

PRODUCT INNOVATION

ALC strives in setting the standard for innovation, product research & development. We currently have patented products and are continually in the pursuit of new challenges

BRANCHES

Sydney (Head Office):



Melbourne Branch



Brisbane Branch



Perth Branch

AUSTLIFT and LOADMAX Merchandising Stands are available to our distributors.
Please do not hesitate to call our friendly staff at:

1300 100 120



PART NUMBER: 000002SP

ALC IN THE AUSTRALIAN MARKET

As a genuine Wholesaler we work closely with our distributor network in developing healthy business relationship enabling each company to prosper and grow in the future. We will continue to service the Australian industries with integrity, reliability and trustworthy enterprise.

INDUSTRY EXPERIENCE

ALC is proud to have a highly technical sales team of qualified sales engineers with a strong industry background, ensuring creditable dealer support for staff training, product knowledge, theoretical & practical application experience, dealer presentations and trade exhibitions.

PRINCIPLES – LEADING TECHNOLOGY, QUALITY PRODUCTS & CUSTOMER CARE

ALC envisage maintaining market leadership focus in the industry in partnership with satisfied dealers and their customers. ALC endeavor to continue upholding high business ethics and morals whilst implementing a Quality Assurance Management System, that will take us well into the 21st century and beyond.

DEFINITIONS

AustLift & LoadMax are registered trade Marks of Australian Lifting Centre Pty Ltd.

Registration No. 834717 & 1007518

Australian Lifting Centre Pty Ltd is a registered company with ASIC; dated 12/05/1997, (Formerly known as Komac (Australia) Pty Ltd) ABN 58 078 514 584

Customer means the identity of the company or person to whom purchased goods from & invoiced by Australian Lifting Centre.



PRICES & DISCOUNTS

Orders are accepted on the basis of stated prices in effect at the time of placing the order. Orders with conflicting prices will be returned to the customer. Back orders supplied at the price ruling at the time of delivery.

Prices published are deemed correct at the time of publication, but subject to change without notice. Orders placed for indent supplies are subject to currency exchange rate variation unless a fixed price is agreed by ALC.

Discounts may be offered from time to time, these prices are only available during this period & providing stock is available.

All prices published or quoted do not include GST. The total of GST payable will be shown separately on the tax invoice.

PAYMENTS

Payments of accounts are strictly net 30 days.

ALC offers a discount of 2% for payment within 10 days; payment must be in our office on the due date to qualify. Payments made direct to our bank are accepted.

A penalty of 1.5% per month is applicable to all accounts overdue 60 days. Fees for rejected cheques & outstanding account recovery will be charged to the customers account.

Indent orders to be covered by irrevocable letter of credit payable 15 days from the day of delivery. No settlement discount is applicable.

DISCLAIMER

All statements, technical information and recommendations contained herein are based on tests believed to be reliable, but no guarantee is given as to their accuracy and / or completeness. The user must determine the suitability of our product for its particular purpose, either alone or in combination with other products, and shall assume all risk and liability in connection therewith. Nothing therein should be taken as an inducement to infringe any particular patent.

BANKING (PAYMENT OPTIONS)

Company Cheques
Bank Drafts
Electronic Fund Transfers

RETURNS

A restocking fee of 15% of the purchase price is applicable to all goods returned.
Goods must be in good saleable condition upon return & customer to transport at their cost.

ORDER & DELIVERY TERMS

Minimum invoice value before tax is \$50.00 Orders can be placed by Fax, Telephone or through Internet. Orders placed before 12.00pm will be processed on the same day. A fax notice shall be sent to the purchaser if there are any difficulties processing your order.

MINIMUM PURCHASE AMOUNT FOR FIS FOR CAPITAL & MAJOR CITIES

We have a schedule of FIS into the major cities and towns. Please request your FIS schedule when you apply for a account.

All FIS deliveries do not include discount prices, indent prices & other special prices unless pre-quoted. Order must be placed before 12:00PM for same day dispatch.

All non FIS deliveries are via ALC nominated carrier on general freight. Customers may choose to use their own carrier at their cost. Express Freight & Airfreight service are available upon request Charges will be to the account of the purchaser.

GUARANTEE & WARRANTY

No guarantee will be offered for goods not used in accordance with design or Australian Standards. Commercial rated products do not carry a warranty. Product deemed faulty is to be returned to ALC. At the discretion of ALC the product may be replaced or reworked. Goods returned will be re-supplied.
No claim for losses other than the supplied product will be accepted.

DIMENSIONS

All dimensions quoted in published literature are subject to manufacturing & standards tolerances. Specifications change from time to time & these should only be used as a guide. Contact ALC for confirmation before purchase.

Tolerances for commercial product may vary between suppliers & batches, dimensions are for guidance only.

CANCELLATION

Orders must be cancelled prior to goods leaving ALC warehouse. Indent orders will incur charges, all of which are to the account of the purchaser.

All products delivered will be deemed to be correctly supplied unless advised in writing within 7 days of receipt of goods. Goods delivered on FIS basis are based on the signature & date of the carrier.

RESERVATION OF TITLE

Products supplied by ALC shall remain the sole property of ALC until the purchaser has paid in full the value of the goods.

In issuing a purchase order the customers agrees to hold all items purchased until payment is made. Goods supplied may be reclaimed at any time by ALC if payment not received.

CERTIFICATES

ALC Test Certificates or Letter of Conformance will be issued for all product manufacture & tested to a recognized standard. Certificates will be forwarded with goods unless requested otherwise.

Original Test Certificates will be held by ALC & may be viewed if required. Request for Test Certificates after deliveries will incur a fee of \$10.00. No Certificates are available for commercial products.



AUSTRALIAN LIFTING CENTRE PTY LTD

G100 CHAIN & FITTINGS

Breaking The Lifting Barrier



 **AUSTLIFT®**

1300 100 120
WWW.AUSTLIFT.COM.AU

Austlift™ G100 products are manufactured & tested to the requirements of Australian Standard 2321 'Short Link Chain for Lifting Purpose' & AS3776 'Lifting Components for Grade T Chain Slings' in extremely high quality.

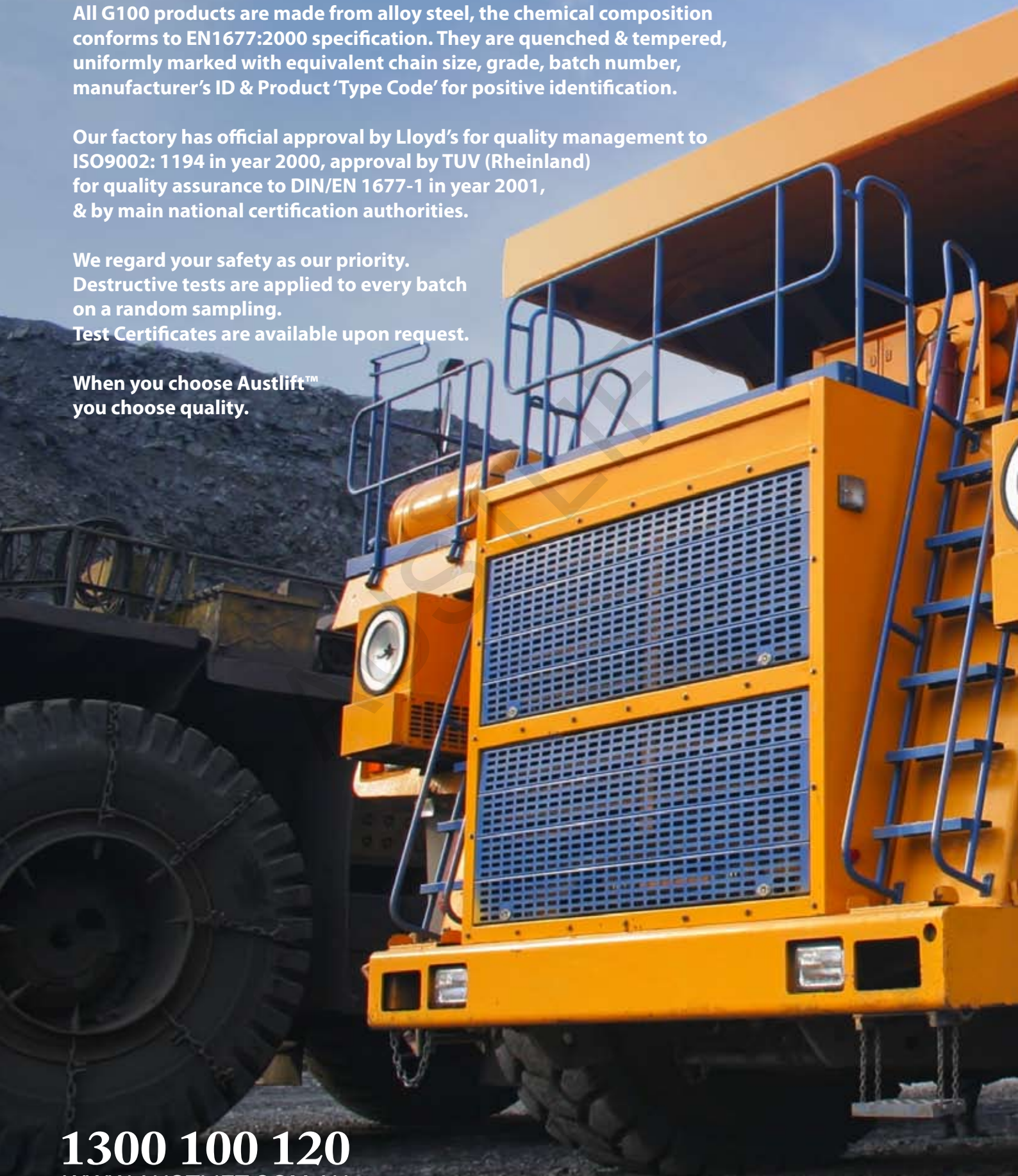
All G100 products are made from alloy steel, the chemical composition conforms to EN1677:2000 specification. They are quenched & tempered, uniformly marked with equivalent chain size, grade, batch number, manufacturer's ID & Product 'Type Code' for positive identification.

Our factory has official approval by Lloyd's for quality management to ISO9002: 1194 in year 2000, approval by TUV (Rheinland) for quality assurance to DIN/EN 1677-1 in year 2001, & by main national certification authorities.

**We regard your safety as our priority.
Destructive tests are applied to every batch on a random sampling.
Test Certificates are available upon request.**

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

1300 100 120
WWW.AUSTLIFT.COM.AU



G100

Contents

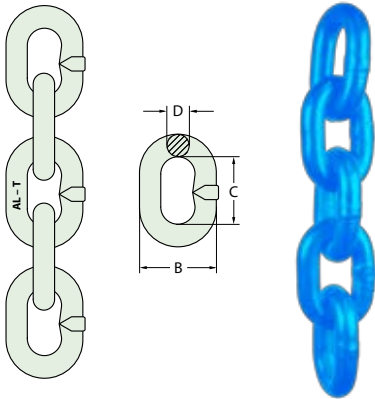
| | |
|--|-----------|
| <i>Alloy Chain</i> | <i>10</i> |
| <i>Welded Master Link (With Flat)</i> | <i>10</i> |
| <i>Master Link Multi (Type Md)</i> | <i>11</i> |
| <i>Connecting Link</i> | <i>11</i> |
| <i>Clevis Grab Hook</i> | <i>12</i> |
| <i>Eye Shortening Grab Hook</i> | <i>12</i> |
| <i>Self Locking Hook, Clevis Type (LC)</i> | <i>13</i> |
| <i>Self Locking Hook, Eye Type (LE)</i> | <i>13</i> |
| <i>Self Locking Hook, Swivel Type (LS)</i> | <i>14</i> |
| <i>Clevis Sling Hook (With Latch)</i> | <i>14</i> |
| <i>Working Load Limits</i> | <i>15</i> |
| <i>Eye Sling Hook (With Latch)</i> | <i>15</i> |
| <i>Spare Parts</i> | <i>16</i> |
| <i>Chain Sling Tag & Connecting Ring</i> | <i>17</i> |

G100 - Alloy Chain



Austlift G100 Chain is made in Germany, generally used for Chain Slings with 25% higher lifting capacity than G80. Manufactured from hardened and tempered alloy steels and has a high resistance to impact and wear to meet critical requirements of AS 2321 "Short Link Chain for lifting purposes". Chain links are formed from German Wafos link machine technology to produce its high quality of lightweight strength, durability and safety of lifting chain applications.

- Sizes available from 8mm to 22mm.
- Marked with chain grade and traceability mark.
- Made from G100 alloy steel with safety factor of 4 to 1.
- Conforms to AS 2321 but with 25% higher work load limit.
- Batch tested, Test Certificates available upon request.



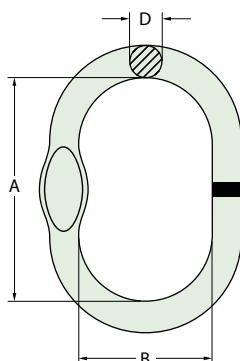
| CODE | SIZE | WLL | Wt. | DIMENSIONS | | |
|--------|------|-------|----------|------------|----|----|
| | | | | B | C | D |
| | mm | tonne | kg per m | mm | mm | mm |
| 171008 | 8 | 2.5 | 1.4 | 28 | 24 | 8 |
| 171010 | 10 | 4 | 2.2 | 35 | 30 | 10 |
| 171013 | 13 | 6.7 | 3.8 | 46 | 39 | 13 |
| 171016 | 16 | 10 | 5.7 | 56 | 48 | 16 |
| 171020 | 20 | 16 | 9 | 70 | 60 | 20 |
| 171022 | 22 | 19 | 10.9 | 78 | 66 | 22 |

Welded Master Link (with flat)



Austlift SD Type G100 Head-Rings are designed to cater for single leg and double leg Chain Slings or Wire Rope Sling applications.

- Marked with single and double chain sizes, designation, grade with manufacture quality mark and Austlift branded
- Manufactured from G100 alloy steel with safety factor of 4 to 1
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.

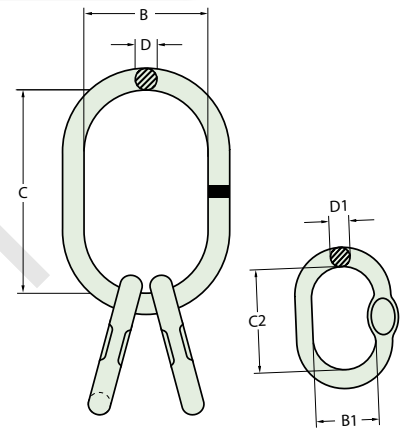


| CODE | CHAIN SIZE | | WLL | Wt. | DIMENSIONS | | |
|--------|------------|----------|-----|-----|------------|------|------|
| | 1 leg mm | 2 leg mm | | | A mm | B mm | D mm |
| 170008 | 8 | 6 | 2.5 | 0.4 | 120 | 70 | 14 |
| 170010 | 10 | 8 | 4.0 | 0.7 | 140 | 80 | 17 |
| 170013 | 13 | 10 | 7.5 | 1.5 | 160 | 95 | 22 |
| 170016 | 16 | 13 | 10 | 2.2 | 190 | 110 | 25 |
| 170020 | 20 | 16 | 17 | 5.1 | 240 | 140 | 34 |
| 170022 | 22 | 20 | 25 | 7.2 | 250 | 150 | 38 |

Austlift MD Type G100 Multi Head Rings are designed with a large ring and two intermediate links to cater for two, three and four leg Chain Sling or Wire Rope Sling applications.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Made from G100 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.

| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------|-------|-----|------------|----------|---------|----------|---------|----------|
| | mm | tonne | kg | B mm | B1 mm | C mm | C2 mm | D mm | D1 mm |
| 170106 | 6 | 3.5 | 1.8 | 90 | 19 | 150 | 120 | 19 | 14 |
| 170108 | 8 | 5 | 3.0 | 95 | 22 | 160 | 140 | 22 | 17 |
| 170110 | 10 | 8 | 6.5 | 120 | 30 | 200 | 160 | 30 | 22 |
| 170113 | 13 | 14 | 15 | 150 | 40 | 250 | 200 | 40 | 30 |
| 170116 | 16 | 21 | 23 | 200 | 50 | 300 | 200 | 50 | 32 |

**Connecting Link**

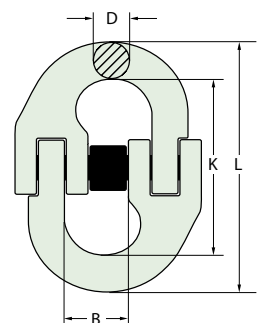
Austlift CL Type G100 Connecting Links are commonly used to connect head rings, chain, Hooks and other lifting components for Chain Slings.

Sizes available from 6mm to 22mm

- Marked with chain size, grade and Austlift branded.
- Made from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Batch tested, Test Certificates available upon request.



| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | |
|--------|---------------|-------|------|------------|---------|---------|---------|
| | mm | tonne | kg | B mm | K mm | D mm | L mm |
| 170206 | 6 | 1.4 | 0.1 | 14 | 44.5 | 7.6 | 60 |
| 170208 | 8 | 2.5 | 0.22 | 18.5 | 61.5 | 10 | 84.5 |
| 170210 | 10 | 4 | 0.45 | 23 | 72 | 12.6 | 97.2 |
| 170213 | 13 | 6.7 | 1.15 | 27.5 | 89 | 16.8 | 127 |
| 170216 | 16 | 10 | 1.75 | 33.5 | 103 | 21 | 145 |
| 170220 | 20 | 15.6 | 2.7 | 42 | 116 | 24.5 | 175 |
| 170222 | 22 | 19 | 4.02 | 48 | 135 | 27 | 193 |

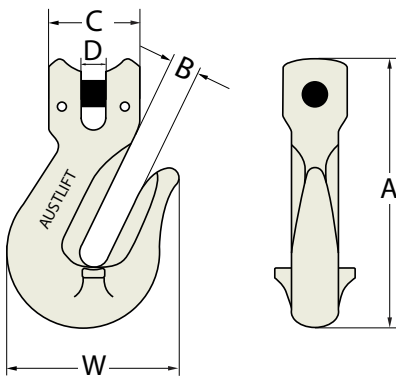


Clevis Grab Hook



Austlift GC Type G100 Clevis Grab Hooks provide the flexibility to shorten chain leg on a sling may also be used for back-hooking. Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The clevis is designed for ease of connection of chain.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Made from G100 alloy steel with safety factor of 4 to 1
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.



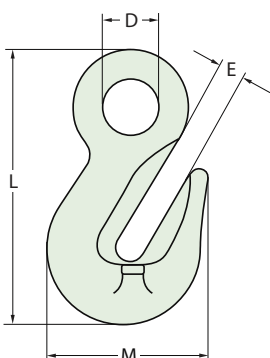
| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------------|-------|------|------------|------|------|------|-------|
| | mm | tonne | kg | A mm | B mm | C mm | D mm | W mm |
| 170306 | 6 | 1.4 | 0.22 | 75 | 8 | 32 | 7.5 | 43.5 |
| 170308 | 8 | 2.5 | 0.34 | 91.5 | 10.8 | 36 | 9.5 | 53 |
| 170310 | 10 | 4 | 0.82 | 126 | 13.5 | 46 | 12 | 72 |
| 170313 | 13 | 6.7 | 1.75 | 136.5 | 16.5 | 59 | 15 | 96 |
| 170316 | 16 | 10 | 2.88 | 183.5 | 19.2 | 70 | 17.5 | 112.5 |
| 170320 | 20 | 16 | 4.84 | 224 | 24 | 85 | 24 | 143 |
| 170322 | 22 | 19 | 8.3 | 262 | 27 | 100 | 27 | 160.5 |

Eye Shortening Grab Hook



Austlift GE Type G100 Eye Grab Hook provide the flexibility to shorten chain leg on a sling may also be used for back-hooking. Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The eye is designed for ease of connection of coup-link.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Made from G100 alloy steel with safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.



| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | |
|--------|------------|-------|------|------------|------|-------|------|
| | mm | tonne | kg | D mm | E mm | M mm | L mm |
| 170406 | 6 | 1.4 | 0.2 | 14.5 | 8 | 43.5 | 70 |
| 170408 | 8 | 2.5 | 0.28 | 18 | 10.8 | 53 | 91 |
| 170410 | 10 | 4 | 0.72 | 22.5 | 13.5 | 42 | 126 |
| 170413 | 13 | 6.7 | 1.6 | 28 | 16.5 | 96 | 162 |
| 170416 | 16 | 10 | 2.45 | 36 | 19.2 | 112.5 | 182 |
| 170420 | 20 | 16 | 4.72 | 43.5 | 24 | 143 | 225 |
| 170422 | 22 | 19 | 8.2 | 48.5 | 27 | 160.5 | 259 |

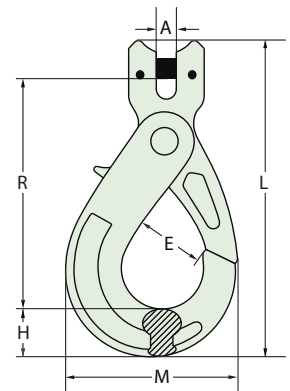
Self Locking Hook, Clevis Type (LC)

Austlift LC Type G100 Clevis Self-Locking Hook allows the hook to be easily closed with one hand, it will close itself when the load is engaged. The Hook will not open until the trigger at the back is pressed. Clevis style allows easy connection to the Chain.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.
- Spare Trigger Kits and Load Pins are available.



| CODE | CHAIN SIZE | | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|---------|---------|---------|---------|---------|
| | mm | tonne | | A mm | E mm | R mm | H mm | L mm | M mm |
| 170506 | 6 | 1.4 | 0.5 | 7.5 | 28 | 96 | 20 | 131 | 70 |
| 170508 | 8 | 2.5 | 0.9 | 9.5 | 35.5 | 123 | 26 | 166 | 90 |
| 170510 | 10 | 4 | 1.6 | 12 | 45 | 144 | 30 | 196.5 | 109 |
| 170513 | 13 | 6.7 | 2.9 | 15 | 53.5 | 182 | 40.5 | 251 | 138.5 |
| 170516 | 16 | 10 | 5.8 | 17.5 | 62 | 217 | 50.5 | 303 | 170.5 |
| 170520 | 20 | 16 | 8.6 | 25 | 76.5 | 235 | 62 | 337.5 | 192.5 |
| 170522 | 22 | 19 | 12.1 | 25.5 | 80 | 276.5 | 66 | 391 | 205 |



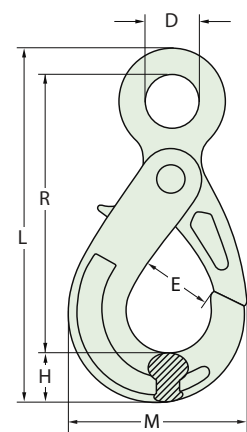
Self Locking Hook, Eye Type (LE)

Austlift LE Type G100 Eye Self-Locking Hook allows the hook to be easily closed with one hand, it will close itself when the load is engaged. The Hook will not open until the trigger at the back is pressed. Eye style allows easy connection to Coup Links, Shackles and Wire.

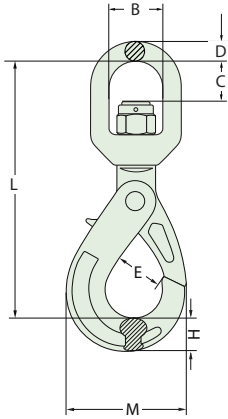
- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.



| CODE | CHAIN SIZE | | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|---------|---------|---------|---------|---------|
| | mm | tonne | | D mm | E mm | R mm | H mm | L mm | M mm |
| 170606 | 6 | 1.4 | 0.5 | 21 | 28 | 110 | 20 | 141 | 70 |
| 170608 | 8 | 2.5 | 0.9 | 27 | 35.5 | 137 | 26 | 175 | 90 |
| 170610 | 10 | 4 | 1.5 | 34.5 | 45 | 169 | 30 | 212.5 | 108 |
| 170613 | 13 | 6.7 | 2.7 | 40 | 53.5 | 209 | 40.5 | 270 | 138.5 |
| 170616 | 16 | 10 | 5.7 | 50 | 62 | 254 | 50.5 | 331 | 170.5 |
| 170620 | 20 | 16 | 7.9 | 60 | 76.5 | 277 | 62 | 369 | 192.5 |
| 170622 | 22 | 19 | 11.2 | 70 | 80 | 319.5 | 66 | 417 | 205 |



Self Locking Hook, Swivel Type (LS)



Austlift LS Type G100 Swivel Self-locking Hook have a plain bearing swivel to allow the hook to swivel thus reducing the twist of a sling.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.
- Spare Trigger Kits are available.

| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------------|-------|------|------------|------|------|------|------|-------|------|
| | mm | tonne | kg | B mm | C mm | D mm | E mm | H mm | M mm | L mm |
| 170706 | 6 | 1.4 | 0.6 | 32.5 | 23 | 11.5 | 28 | 20 | 70 | 180 |
| 170708 | 8 | 2.5 | 1.1 | 36 | 28 | 13 | 35.5 | 26 | 90 | 229 |
| 170710 | 10 | 4 | 2 | 42 | 35 | 15.5 | 45 | 30 | 109 | 269 |
| 170713 | 13 | 6.7 | 4 | 50 | 40 | 17 | 53.5 | 40.5 | 138.5 | 330 |
| 170716 | 16 | 10 | 6.8 | 61 | 56 | 21.5 | 62 | 50.5 | 170.5 | 413 |
| 170720 | 20 | 16 | 12.5 | 72 | 62 | 26 | 76.5 | 62 | 192.5 | 463 |
| 170722 | 22 | 19 | 17.1 | 97 | 94 | 33 | 80 | 66 | 205 | 572 |

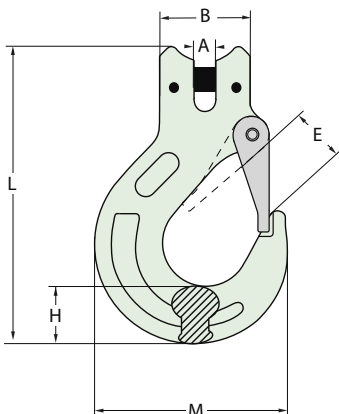
Clevis Sling Hook (with Latch)



Austlift SC Type G100 Clevis Sling Hook are a general purpose hook suitable for most slinging applications and comes with a cast latch for added safety.

Clevis allows easy connection to chain.

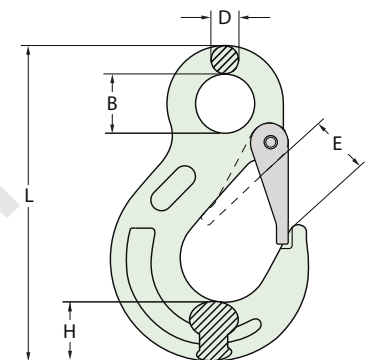
- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.



| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|------|------|------|-------|-------|
| | mm | tonne | kg | A mm | B mm | E mm | H mm | M mm | L mm |
| 170806 | 6 | 1.4 | 0.33 | 7.5 | 32 | 18.5 | 21 | 68.5 | 109 |
| 170808 | 8 | 2.5 | 0.7 | 9.5 | 37 | 25 | 27.5 | 88 | 134 |
| 170810 | 10 | 4 | 1.3 | 12 | 48 | 28 | 33.5 | 105.5 | 161.5 |
| 170813 | 13 | 6.7 | 2.3 | 15 | 59 | 38 | 42 | 134 | 203 |
| 170816 | 16 | 10 | 3.6 | 17.5 | 70 | 44 | 50 | 160.5 | 248 |
| 170820 | 20 | 16 | 7.3 | 25 | 85 | 52 | 56 | 190.5 | 297 |
| 170822 | 22 | 19 | 12.1 | 27 | 100 | 66 | 62 | 214.5 | 326 |

Austlift SE Type G100 Eye Sling Hooks are a general purpose hook suitable for most slinging applications and come with a cast latch for added safety. Eye allows easy connection to coup links and can be attached to lifting apparatus.

- Marked with chain size, designation, grade with manufacture quality mark and Austlift branded.
- Manufactured from G100 alloy steel with a safety factor of 4 to 1.
- Manufactured and tested in accordance to AS 3776 but with 25% higher work load limit.
- Test Certificates available upon request.



| CODE | CHAIN SIZE | | WLL | Wt. | DIMENSIONS | | | | |
|--------|------------|-------|------|-----|------------|------|------|------|-------|
| | mm | tonne | | | B mm | D mm | E mm | H mm | L mm |
| 170906 | 6 | 1.4 | 0.32 | | 20.5 | 10 | 18.5 | 21 | 111 |
| 170908 | 8 | 2.5 | 0.6 | | 25 | 11 | 25 | 27.5 | 137.5 |
| 170910 | 10 | 4 | 1.2 | | 34 | 16 | 28 | 33 | 171.5 |
| 170913 | 13 | 6.7 | 2.2 | | 43 | 19 | 38 | 43.5 | 219 |
| 170916 | 16 | 10 | 3.5 | | 50 | 24.5 | 44 | 50 | 260 |
| 170920 | 20 | 16 | 7.15 | | 55 | 27 | 52 | 56 | 298 |

G100 Chain Sling

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



GRADE 100 (T) Chain Slings

| DIA | DIRECT LOAD | ADJUSTABLE SLING | CHOKE | ENDLESS SLING | | | | | | | | | |
|-------------|-------------|------------------|-------|---------------|------|------|--------------|-------|-------|--------------|-------|-------|--------------|
| | | | | DIRECT LOAD | | | REEVED SLING | | | BASKET HITCH | | | REEVED SLING |
| | | | | 60° | 90° | 120° | 60° | 90° | 120° | 60° | 90° | 120° | |
| Load Factor | 1 | 1 | 0.8 | 1.73 | 1.4 | 1 | 1.3 | 1.06 | 0.75 | 1.3 | 1.06 | 0.75 | 1.5 |
| 6 | 1.4 | 1.4 | 1.12 | 2.4 | 1.95 | 1.4 | 1.82 | 1.48 | 1.05 | 7.8 | 1.48 | 1.05 | 2.1 |
| 8 | 2.5 | 2.5 | 2.0 | 4.3 | 3.5 | 2.5 | 3.25 | 2.65 | 1.87 | 3.25 | 2.65 | 1.85 | 3.75 |
| 10 | 4.0 | 4.0 | 3.2 | 6.9 | 5.6 | 4.0 | 5.2 | 4.24 | 3.0 | 5.2 | 4.24 | 3.0 | 6 |
| 13 | 6.7 | 6.7 | 5.2 | 11.2 | 9.2 | 6.7 | 8.7 | 7.1 | 5.0 | 8.71 | 7.1 | 5.0 | 10.05 |
| 16 | 10.0 | 10 | 8.0 | 17.3 | 14.1 | 10 | 13 | 10.6 | 7.5 | 13 | 10.6 | 7.5 | 15 |
| 20 | 16.0 | 16.0 | 12.8 | 23.6 | 22.4 | 16.0 | 20.8 | 21.2 | 12 | 20.8 | 21.2 | 12 | 24 |
| 22 | 19.0 | 19.0 | 15.2 | 32.8 | 26.6 | 19.0 | 24.7 | 20.14 | 14.25 | 19.0 | 20.14 | 14.25 | 28.5 |

SPARE PARTS


Safety Latch for Sling Hook

| CODE | SIZE | SUIT FOR PRODUCTS | |
|----------|------|-------------------|----------|
| | | mm | Eye |
| 030006SP | 6 | SE-6-10 | SC-6-10 |
| 030008SP | 8 | SE-8-10 | SC-8-10 |
| 030010SP | 10 | SE-10-10 | SC-10-10 |
| 030013SP | 13 | SE-13-10 | SC-13-10 |
| 030016SP | 16 | SE-16-10 | SC-16-10 |
| 030020SP | 20 | SE-20-10 | SC-20-10 |
| 030022SP | 22 | SE-22-10 | SC-22-10 |



Safety Trigger Kit for Self Locking Hook

| CODE | SIZE | SUIT FOR PRODUCTS | | |
|--------|------|-------------------|----------|----------|
| | | mm | Eye | Clevis |
| 030106 | 6 | LE-6-10 | LC-6-10 | LS-6-10 |
| 030108 | 8 | LE-8-10 | LC-8-10 | LS-8-10 |
| 030110 | 10 | LE-10-10 | LC-10-10 | LS-10-10 |
| 030113 | 13 | LE-13-10 | LC-13-10 | LS-13-10 |
| 030116 | 16 | LE-16-10 | LC-16-10 | LS-61-10 |
| 030120 | 20 | LE-20-10 | LC-20-10 | LS-20-10 |
| 030122 | 22 | LE-22-10 | LC-22-10 | LS-22-10 |

| CODE | SIZE | SUIT FOR PRODUCTS | | |
|----------|------|-------------------|-----------------------|------------------|
| | mm | Clevis Sling Hook | Clevis Self Lock Hook | Clevis Grab Hook |
| 030606SP | 6 | SC-6-10 | LC-6-10 | GC-6-10 |
| 030608SP | 8 | SC-8-10 | LC-8-10 | GC-8-10 |
| 030610SP | 10 | SC-10-10 | LC-10-10 | GC-10-10 |
| 030613SP | 13 | SC-13-10 | LC-13-10 | GC-13-10 |
| 030616SP | 16 | SC-16-10 | LC-16-10 | GC-16-10 |
| 030620SP | 20 | SC-20-10 | LC-20-10 | GC-20-10 |
| 030622SP | 22 | SC-22-10 | LC-22-10 | GC-22-10 |



Pin for Clevis Hook

| CODE | SIZE | SUIT FOR PRODUCTS |
|----------|------|-------------------|
| | mm | |
| 030706SP | 6 | CL-6-10 |
| 030708SP | 8 | CL-8-10 |
| 030710SP | 10 | CL-10-10 |
| 030713SP | 13 | CL-13-10 |
| 030716SP | 16 | CL-16-10 |
| 030720SP | 20 | CL-20-10 |
| 030722SP | 22 | CL-22-10 |



Pin and Stud for Chain connector

Chain Sling Tag & Connecting Ring

Austlift G100 Safe Work Load Tags are essential to identify a Chain Sling's lifting capacity together with other relevant information.

- Single and Multi lifting available.
- Sizes from 8mm to 22mm tags available.
- Manufactured in G304 Stainless Steel material.

| SIZE | CODE (Single) | CODE (Multi) |
|------|---------------|--------------|
| 8 | 090108 | 090208 |
| 10 | 090110 | 090210 |
| 13 | 090113 | 090213 |
| 16 | 090116 | 090216 |
| 20 | 090120 | 090220 |
| 22 | 090122 | 090222 |



AUSTLIFT

SYDNEY

43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE

47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH

Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE

7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

ALLOY CHAIN & FITTINGS

AUSTLIFT



1300 100 120
WWW.AUSTLIFT.COM.AU



AUSTLIFT GRADE 80 IDENTIFYING FEATURES



LIFTING YOUR BUSINESS TO A HIGHER LEVEL



Batch code

Size & Grade

Batch code

Manufacturers
Quality Approval Mark



Size & Grade

Product ID

Brand

Contents

| | |
|---|----|
| <i>Austlift G80 Alloy Chain</i> | 23 |
| <i>Austlift Grade L Chain</i> | 23 |
| <i>Master Link (Type SD)</i> | 24 |
| <i>Master Link Multi (Type MD)</i> | 24 |
| <i>Chain Connector CL</i> | 25 |
| <i>Omega Link (OL)</i> | 25 |
| <i>Grab Hook Clevis (GC)</i> | 26 |
| <i>Grab Hook Eye (GE)</i> | 26 |
| <i>Shortening Clutch, Locking Clevis(CCL)</i> | 27 |
| <i>Shortening Clutch, Clevis (CC)</i> | 27 |
| <i>Clutch Choker, Clevis Type (CC)</i> | 27 |
| <i>Sling Hook, Clevis Type (SC)</i> | 28 |
| <i>Sling Hook, Eye Type (SE)</i> | 28 |
| <i>Self Locking Hook, Eye Type (LE)</i> | 29 |
| <i>Self Locking Hook, Clevis (LC)</i> | 29 |
| <i>Self Locking Hook, Swivel Type (LS)</i> | 30 |
| <i>Swivel Self Locking Hook, Clevis Type (LT)</i> | 30 |
| <i>Grip Self Locking Hook Eye Type(NE)</i> | 31 |
| <i>Grip Self Locking Hook Clevis Type(NC)</i> | 31 |
| <i>Grip hook, Swivel Type(NC)</i> | 32 |
| <i>Swivel Hook with Safety Catch(SS)</i> | 32 |
| <i>Drum Hook, Eye Type</i> | 32 |
| <i>Foundry Hook, Clevis Type (FC)</i> | 33 |
| <i>Elephants Foot</i> | 33 |
| <i>Container Hook</i> | 33 |
| <i>Universal Weld on Hook (WH)</i> | 34 |
| <i>Weld on Point (WP)</i> | 34 |
| <i>Hoist Hook , Swivel Type</i> | 35 |
| <i>Hoist Hook, Eye Type</i> | 35 |
| <i>Lifting Stud</i> | 36 |
| <i>Swivel Panel Lifter</i> | 36 |
| <i>Spread Anchor</i> | 37 |
| <i>Ring Panel Lifter</i> | 37 |
| <i>Swivel - Bow/Clevis Type</i> | 38 |
| <i>Recess Former Kit</i> | 38 |
| <i>Swivel - Eye/Bow Type</i> | 39 |
| <i>Swivel - Bow/Bow Type</i> | 39 |
| <i>SPARE PARTS</i> | 40 |
| <i>Chain Sling Tag & Connecting Ring</i> | 41 |
| <i>ADVICE FOR SAFE USE & MAINTENANCE</i> | 42 |
| <i>WELDING INSTRUCTIONS</i> | 43 |
| <i>PANEL LIFTER INSTRUCTIONS</i> | 46 |

Austlift™ G80 products are manufactured & tested to the requirements of Australian Standard 2321 'Short Link Chain for Lifting Purpose' & AS3776 'Lifting Components for Grade T Chain Slings' in extremely high quality.

All G80 products are made from alloy steel, the chemical composition conforms to EN1677:2000 specification. They are Quenched & Tempered, uniformly marked with equivalent Chain size, grade, batch number, manufacturer's ID & Product 'Type Code' for positive identification.

Our factory has official approval by Lloyd's for quality management to ISO9002: 1194 in year 2000, approval by TUV (Rheinland) for quality assurance to DIN/EN 1677-1 in year 2001, & by main national certification authorities.

**We regard your safety as our priority.
Destructive test is applied to every batch on a random sampling.
Test Certificates are available upon request.**

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





1300 100 120
WWW.AUSTLIFT.COM.AU

Austlift Grade 80 (T) Chain is designed for Chain Slings for industrial lifting applications. It is made from alloy steel, hardened and tempered. It has a high resistance to impact and meets critical requirements of AS2321 "Short link Chain for lifting purposes".

- Made in Kettenfabrik Chain manufacture in Germany with Admission (H34)
- Sizes available from 6mm to 32mm.
- Marked with Chain grade with traceability mark.
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS2321.



|  |  | CODE | SIZE | WLL | DIMENSIONS (mm) | | | WEIGHT |
|---|---|------|------|-------|--------------------|----|----|----------|
| full drum | cut length | | mm | tonne | B | C | D | kg per m |
| 101506 | 101406 | | 6.3 | 1.12 | 21 | 18 | 6 | 0.84 |
| 101507 | 101407 | | 7.1 | 1.5 | 24 | 21 | 7 | 1.14 |
| 101508 | 101408 | | 8 | 2 | 28 | 24 | 8 | 1.41 |
| 101510 | 101410 | | 10 | 3.15 | 35 | 30 | 10 | 2.21 |
| 101513 | 101413 | | 13 | 5.3 | 46 | 39 | 13 | 3.76 |
| 101516 | 101416 | | 16 | 8 | 57 | 48 | 16 | 5.64 |
| 101520 | 101420 | | 20 | 12.5 | 70 | 60 | 20 | 7.78 |
| 101522 | 101422 | | 22 | 15 | 78 | 66 | 22 | 10.64 |
| 101526 | 101426 | | 26 | 21.2 | 91 | 78 | 26 | 14.8 |
| 101532 | 101432 | | 32 | 31.5 | 115 | 96 | 32 | 21.6 |




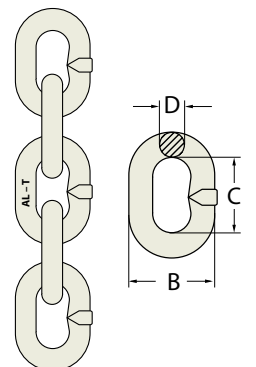
Australian Lifting Centre is sole agent for Kettenfabrik Chain and other Chain manufactures in Australia.

Austlift Grade L Chain

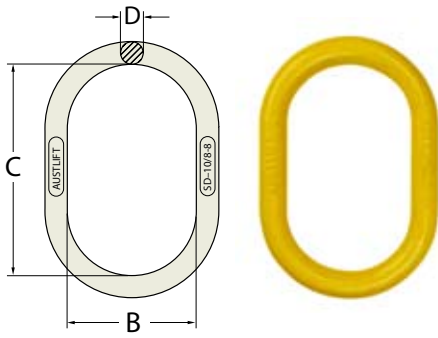
Austlift Grade 30 (L) calibrated Chain is generally used in marine or vertical hanging support applications. It is manufactured from carbon steel which has a high resistance to impact and wear, Meets AS 2321 "Short link Chain for lifting purposes". Chain is manufactured from German Wafos machine and it has class A hot dipped galvanized.

- Sizes available from 6mm to 13mm.
- Marked with Chain grade with traceability mark.
- Made from carbon steel with safety factor of 5 to 1
- Test Certificates available upon request.
- Conforms to AS2321.

|  |  | CODE | SIZE | WLL | DIMENSIONS (mm) | | | WEIGHT |
|---|---|------|------|-------|--------------------|----|----|----------|
| full drum | cut length | | mm | tonne | B | C | D | kg per m |
| 101606 | 101706 | | 6 | 0.4 | 21 | 18 | 6 | 0.8 |
| 101608 | 101708 | | 8 | 0.64 | 28 | 24 | 8 | 1.43 |
| 101610 | 101710 | | 10 | 1 | 35 | 30 | 10 | 2.22 |
| 101613 | 101713 | | 13 | 1.7 | 46 | 39 | 13 | 3.73 |



Master Link (Type SD)

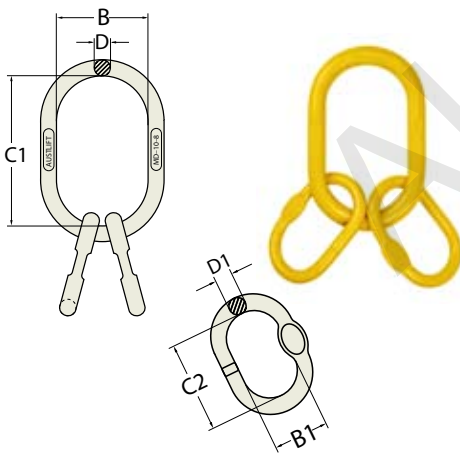


Austlift SD Type Head-Rings are designed to cater for single leg and double leg Chain Slings or Wire Rope Sling applications.

- Marked with single and double Chain sizes, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel, safety factor 4 to 1 for Chain Sling 5 to 1 for Wire Rope Sling.
- Test Certificates available upon request.
- Conforms to AS3776.

| CODE | CHAIN SIZE | | WLL | Wt. | DIMENSIONS | | |
|--------|-------------|-------------|------|-------|------------|---------|---------|
| | 1 leg mm | 2 leg mm | | | B mm | C mm | D mm |
| 101006 | 6 | - | 1.6 | 0.23 | 60 | 100 | 12 |
| 101008 | 8 | 6 | 1.9 | 0.44 | 70 | 120 | 14 |
| 101010 | 10 | 8 | 3.5 | 0.76 | 80 | 140 | 18 |
| 101013 | 13 | 10 | 5.5 | 1.48 | 95 | 160 | 22 |
| 101016 | 16 | 13 | 9.4 | 2.25 | 110 | 190 | 28 |
| 101020 | 20 | 16 | 13.9 | 5.32 | 140 | 240 | 35 |
| 101022 | 22 | 20 | 22.2 | 7.04 | 150 | 250 | 40 |
| 101026 | 26 | 22 | 27.4 | 7.86 | 150 | 250 | 45 |
| 101032 | 32 | 26 | 36.7 | 15.2 | 200 | 300 | 50 |
| 101036 | 36 | 32 | 54.5 | 20.54 | 200 | 350 | 55 |

Master Link Multi (Type MD)



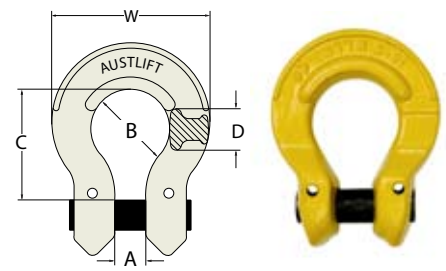
Austlift MD Type Multi Head Rings are designed as a large ring with two intermediate links to cater for two three and four leg Chain Sling or Wire Rope Sling applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel, safety factor 4 to 1 for Chain Sling , 5 to 1 for Wire Rope Sling.
- Test Certificates available upon request.
- Conforms to AS3776.

| CODE | SIZE | WLL | | Wt. | DIMENSIONS | | | | | |
|--------|--------|------|------|------|------------|----------|----------|----------|---------|----------|
| | | 4:1 | 5:1 | | B mm | B1 mm | C1 mm | C2 mm | D mm | D1 mm |
| 101206 | 6 | 1.9 | 2.6 | 1.7 | 90 | 60 | 160 | 100 | 17 | 14 |
| 101208 | 7, 8 | 3.5 | 4 | 1.9 | 90 | 60 | 160 | 100 | 20 | 14 |
| 101210 | 10 | 5.5 | 6.4 | 3.3 | 120 | 70 | 220 | 150 | 24 | 17 |
| 101213 | 13 | 9.4 | 13.6 | 6.7 | 140 | 90 | 270 | 160 | 28 | 25 |
| 101216 | 16 | 13.9 | 16 | 9.3 | 140 | 100 | 270 | 180 | 32 | 27 |
| 101220 | 18, 20 | 22.2 | 20.8 | 19.1 | 160 | 140 | 300 | 270 | 40 | 32 |
| 101222 | 22 | 27.4 | 26.4 | 26.6 | 180 | 155 | 340 | 285 | 45 | 36 |

Austlift OL Type Omega Links are commonly used in conjunction with recessed Head Rings and Chain for Chain Slings. They are also a popular fitting for variable type slings.

- Marked with Chain size, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

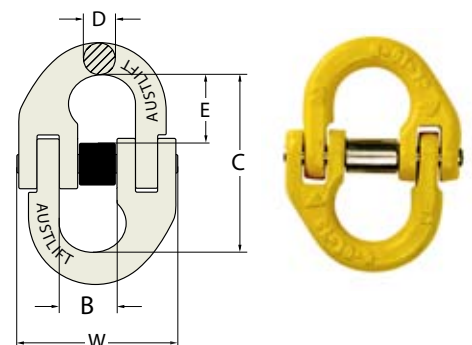


| CODE | WLL | Wt. | DIMENSIONS | | | | |
|--------|-------|------|------------|---------|---------|---------|---------|
| | tonne | kg | A mm | B mm | C mm | D mm | W mm |
| 104106 | 1.12 | 0.12 | 8 | 20.5 | 25 | 12 | 41 |
| 104108 | 2 | 0.22 | 10 | 23.5 | 35 | 16 | 52 |
| 104110 | 3.15 | 0.36 | 12 | 31.5 | 40.5 | 17 | 62 |
| 104113 | 5.3 | 0.71 | 15 | 41 | 54 | 20 | 81 |
| 104116 | 8 | 1.3 | 19 | 49.5 | 64 | 26 | 99 |

Chain Connector CL

Austlift CL Type Connecting Links are commonly used to connect Head Rings, Chain, Hooks and other lifting components for Chain Slings and a wide variety of other uses.

- Marked with Chain size, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.



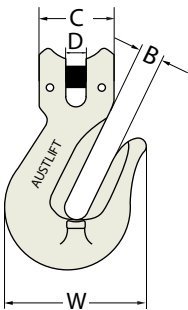
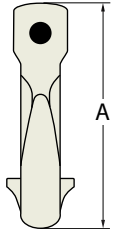
| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------------|-------|-------|------------|---------|---------|---------|---------|
| | mm | tonne | kg | B mm | C mm | D mm | E mm | W mm |
| 101806 | 6 | 1.12 | 0.08 | 15 | 42 | 7 | 18 | 43 |
| 101808 | 7, 8 | 2 | 0.146 | 18 | 60.5 | 8.5 | 23.5 | 55 |
| 101810 | 10 | 3.15 | 0.3 | 25 | 68 | 11.5 | 27 | 69 |
| 101813 | 13 | 5.3 | 0.7 | 29 | 87 | 15 | 32 | 83 |
| 101816 | 16 | 8 | 1.3 | 34.5 | 108.4 | 19.8 | 41 | 102 |
| 101820 | 18, 20 | 12.5 | 2.1 | 41 | 121.5 | 24 | 52.5 | 117 |
| 101822 | 22 | 15 | 3.2 | 48 | 141.5 | 26 | 62 | 143 |
| 101826 | 26 | 21.2 | 4.5 | 57.5 | 158 | 30 | 64 | 163 |
| 101832 | 32 | 31.5 | 9 | 67 | 205 | 37 | 86 | 199 |

Grab Hook Clevis (GC)



Austlift GC Type Clevis grab hook provides the flexibility to shorten Chain Slings and can be used for back-hooking. Austlift Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The Clevis is designed for easy connection of Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS3776.



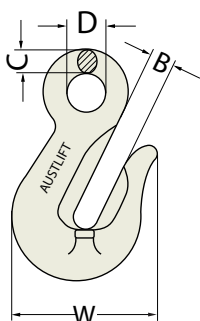
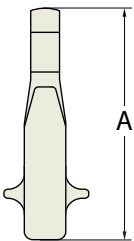
| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|---------------|-------|------|------------|----|-----|------|-----|
| | | | | A | B | C | D | W |
| | mm | tonne | kg | mm | mm | mm | mm | mm |
| 101906 | 6 | 1.12 | 0.28 | 78 | 8 | 32 | 7.5 | 41 |
| 101908 | 7, 8 | 2 | 0.3 | 108 | 11 | 36 | 9 | 57 |
| 101910 | 10 | 3.15 | 0.95 | 127 | 13 | 46 | 12 | 70 |
| 101913 | 13 | 5.3 | 1.97 | 163 | 16 | 59 | 15 | 89 |
| 101916 | 16 | 8 | 3.45 | 204 | 20 | 70 | 17.5 | 109 |
| 101920 | 18, 20 | 12.5 | 5.3 | 243 | 23 | 80 | 23 | 130 |
| 101922 | 22 | 15 | 7.8 | 280 | 26 | 98 | 25.5 | 151 |
| 101926 | 26 | 21.2 | 14.5 | 309 | 30 | 110 | 30 | 175 |

Grab Hook Eye (GE)



Austlift GE Type Eye grab hook provides the flexibility to shorten Chain Sling and can be used for back-hooking. Austlift Grab Hooks come with supporting lugs to allow no reduction of the working load limit. The eye is designed for easy connection of Chain Connector.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Made from G80 alloy steel with safety factor of 4 to 1
- Test Certificates available upon request.
- Conforms to AS3776.

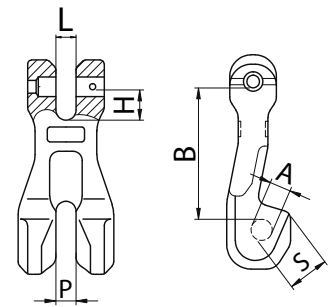


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|---------------|-------|------|------------|----|-----|------|-------|
| | | | | A | B | C | D | W |
| | mm | tonne | kg | mm | mm | mm | mm | mm |
| 102006 | 6 | 1.12 | 0.25 | 76.5 | 8 | 8 | 13 | 45 |
| 102008 | 7, 8 | 2 | 0.4 | 106 | 11 | 9.5 | 16 | 63 |
| 102010 | 10 | 3.15 | 0.6 | 126 | 13 | 12 | 20 | 79 |
| 102013 | 13 | 5.3 | 1.2 | 156 | 16 | 15 | 25 | 100 |
| 102016 | 16 | 8 | 2.7 | 193 | 20 | 19 | 28.5 | 122 |
| 102020 | 18, 20 | 12.5 | 4.3 | 226 | 25 | 20 | 36 | 150.5 |
| 102022 | 22 | 15 | 6.4 | 269 | 26 | 27 | 42 | 169 |
| 102026 | 26 | 21.2 | 9.8 | 298 | 30 | 32 | 45 | 175 |
| 102032 | 32 | 31.5 | 19.4 | 361 | 38 | 38 | 57 | 189 |

Shortening Clutch, Clevis (CC)

Austlift CC Type Shortening Clutch have the advantage of shortening a Chain Sling without loss of the working load limit of the sling. The Clevis allows easy connection to Chain. Not recommended for use as a bottom fitting of sling for back-hooking and reeving applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.

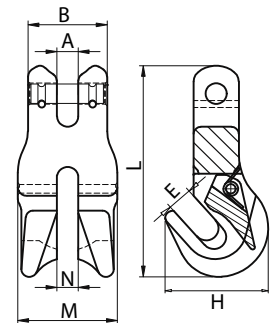


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|------|------|------|------|------|
| | mm | tonne | kg | A mm | B mm | P mm | L mm | H mm | S mm |
| 102106 | 6 | 1.1 | 0.17 | 8 | 44 | 7.5 | 7.5 | 10.3 | 12 |
| 102108 | 7,8 | 2 | 0.41 | 10.5 | 61.7 | 9.5 | 9.5 | 14 | 17 |
| 102110 | 10 | 3.2 | 0.97 | 12.4 | 92 | 13 | 13 | 18.4 | 28 |
| 102113 | 13 | 5.3 | 2 | 16 | 115 | 16.5 | 16.5 | 22.7 | 34.5 |
| 102116 | 16 | 8 | 3.32 | 19.5 | 143 | 21 | 21 | 28.5 | 40 |
| 102120 | 18,20 | 12.5 | 6.2 | 23 | 152 | 23.5 | 23.5 | 33.6 | 46 |
| 102122 | 22 | 15 | 8.5 | 26 | 195 | 25.5 | 25.5 | 39 | 57.5 |

Shortening Clutch, Locking Clevis (CCL)

Austlift SC Type Lockable Clutches have the advantage of shortening a Chain Sling without loss of the working load limit. The clevis allows easy connection to Chain with the added safety of a Chain locking device to prevent the Chain to dislodge from the hook.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS3776, Test Certificates available upon request.

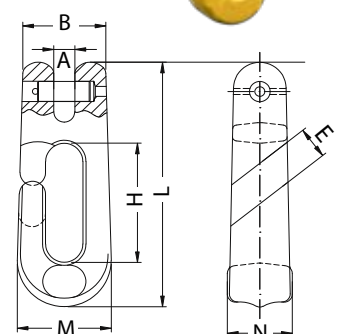


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------------|-------|------|------------|------|------|------|------|------|------|
| | mm | tonne | kg | A mm | B mm | E mm | M mm | N mm | H mm | L mm |
| 102140 | 10 | 3.2 | 0.99 | 12 | 44.5 | 14 | 56 | 12 | 58 | 121 |

Clutch Choker, Clevis Type (CC)

Austlift CC Type Clevis Choker Hooks are a special purpose Hook suitable for choke hitch applications. The narrow throat opening prevents the Chain from being dislodged. The clevis allows easy connection to Chain.

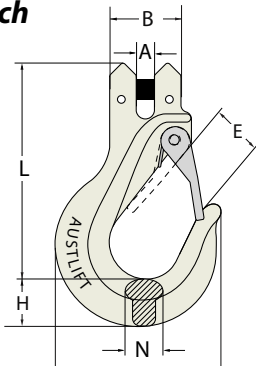
- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.



| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------------|-------|------|------------|------|------|------|------|------|------|
| | mm | tonne | kg | A mm | B mm | H mm | M mm | N mm | E mm | L mm |
| 103420 | 8 | 2 | 0.68 | 10.5 | 41 | 60 | 46.5 | 32 | 16 | 123 |

Sling Hook, Clevis Type (SC)

With Forged Steel Latch



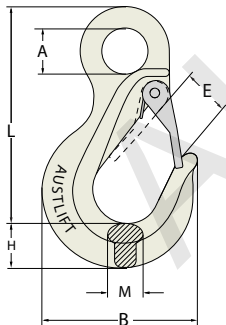
Austlift SC Type Clevis Sling Hooks are a general purpose hook suitable for most slinging applications. They come with cast latch for added safety. Clevis allows easy connection to Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|----|------|------|------|-------|
| | | | | A | B | E | N | H | L |
| | mm | tonne | kg | mm | mm | mm | mm | mm | mm |
| 102906 | 6 | 1.12 | 0.3 | 7.5 | 32 | 22 | 18 | 20.5 | 121 |
| 102908 | 7, 8 | 2 | 0.5 | 9 | 36 | 25.5 | 18 | 23.5 | 137 |
| 102910 | 10 | 3.15 | 0.95 | 12 | 46 | 34 | 20 | 30 | 175.5 |
| 102913 | 13 | 5.3 | 1.9 | 15 | 59 | 41.5 | 29.5 | 37.5 | 210.5 |
| 102916 | 16 | 8 | 3.45 | 17.5 | 70 | 46 | 34 | 42.5 | 248.5 |
| 102920 | 18, 20 | 12.5 | 6.5 | 23 | 80 | 52 | 45 | 54 | 309 |
| 102922 | 22 | 15 | 9.65 | 25.5 | 98 | 60 | 48 | 76 | 375.5 |

Sling Hook, Eye Type (SE)

With Forged Steel Latch



Austlift SE Type Eye Sling Hooks are a general purpose hook suitable for most slinging applications. They come with heavy duty latch for added safety. Eye allows easy connection to coup links and can be attached to lifting apparatus.

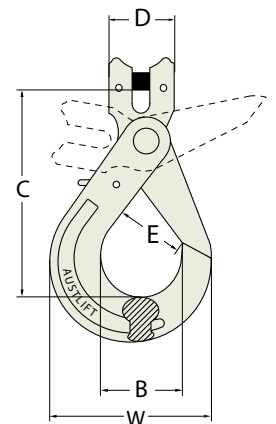
- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|-------|-----|------|------|-------|
| | | | | A | B | E | H | M | L |
| | mm | tonne | kg | mm | mm | mm | mm | mm | mm |
| 103006 | 6 | 1.1 | 0.3 | 20 | 74 | 22 | 20.5 | 18 | 122 |
| 103008 | 7, 8 | 2 | 0.5 | 25.5 | 83 | 26 | 23.5 | 18 | 138.5 |
| 103010 | 10 | 3.2 | 0.8 | 32.5 | 107 | 34 | 30 | 20 | 176.5 |
| 103013 | 13 | 5.3 | 1.9 | 39.5 | 134.3 | 41 | 37.5 | 29.5 | 218 |
| 103016 | 16 | 8 | 3.4 | 50 | 157.5 | 44 | 42.5 | 34 | 260 |
| 103020 | 18, 20 | 12.8 | 5.3 | 60 | 189 | 52 | 53 | 44 | 310 |
| 103022 | 22 | 15 | 8.9 | 68 | 239 | 60 | 74 | 50 | 375.5 |
| 103026 | 26 | 21.2 | 13.4 | 75 | 245 | 71 | 83 | 63 | 412 |
| 103032 | 32 | 31.5 | 19 | 88 | 250 | 102 | 95 | 76 | 446 |

Austlift LC Type Clevis Self-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the trigger at the back is pressed.

The clevis style allows easy connection to the Chain.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

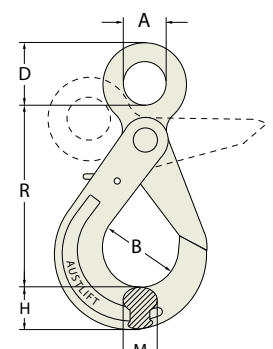


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------------|-------|------|------------|-------|-----|-----|-----|
| | | | | B | C | D | E | W |
| | mm | tonne | kg | mm | mm | mm | mm | mm |
| 102206 | 6 | 1.1 | 0.4 | 34 | 96 | 32 | 28 | 69 |
| 102208 | 7,8 | 2 | 0.7 | 46 | 118.5 | 36 | 36 | 88 |
| 102210 | 10 | 3.15 | 1.5 | 58 | 144 | 46 | 45 | 107 |
| 102213 | 13 | 5.3 | 2.7 | 69 | 181.5 | 59 | 50 | 138 |
| 102216 | 16 | 8 | 5.6 | 86 | 216 | 70 | 60 | 182 |
| 102220 | 18, 20 | 12.5 | 10.5 | 92 | 238 | 81 | 72 | 204 |
| 102222 | 22 | 15 | 13.8 | 98 | 276 | 98 | 78 | 205 |
| 102226 | 26 | 21.2 | 18.2 | 110 | 311 | 118 | 106 | 240 |

Self Locking Hook, Eye Type (LE)

Austlift LE Type Eye Self-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the trigger at the back is pressed. The eye style allows easy connection to Chain Connectors, Shackles and Wire Rope Slings.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits are available.



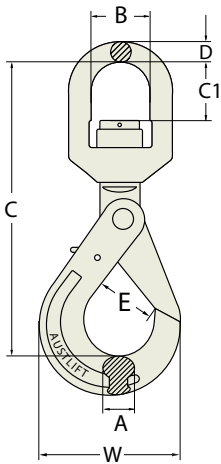
| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|-----|------|-------|------|------|
| | | | | A | B | D | R | H | M |
| | mm | tonne | kg | mm | mm | mm | mm | mm | mm |
| 102306 | 6 | 1.1 | 0.5 | 22 | 34 | 10.5 | 110.5 | 20 | 15 |
| 102308 | 7,8 | 2 | 0.8 | 25 | 46 | 12 | 136 | 24 | 20 |
| 102310 | 10 | 3.15 | 1.5 | 32 | 58 | 13 | 169 | 28 | 26 |
| 102313 | 13 | 5.3 | 2.8 | 40 | 69 | 16.5 | 208 | 40.5 | 32.5 |
| 102316 | 16 | 8 | 5.4 | 50 | 86 | 20 | 254.5 | 50.5 | 41 |
| 102320 | 18, 20 | 12.5 | 10 | 61 | 92 | 26.5 | 290 | 62 | 50 |
| 102322 | 22 | 15 | 13.4 | 72 | 98 | 30 | 320 | 65 | 52 |
| 102326 | 26 | 21.2 | 18.5 | 80 | 110 | 34.3 | 362 | 75 | 60 |
| 102332 | 32 | 31.5 | 44.5 | 105 | 166 | 45 | 472 | 97 | 79.5 |

Self Locking Hook, Swivel Type (LS)



Austlift LS Type Swivel Self-Locking hook have a ball bearing swivel to allow the hook to swivel under load thus reducing the twist of a sling. Designed with enlarged eye for passing larger Shackles without disassemble of the hook.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Ball bearing swivel allows the hook to rotate under full load.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Swivel Bow head are available.



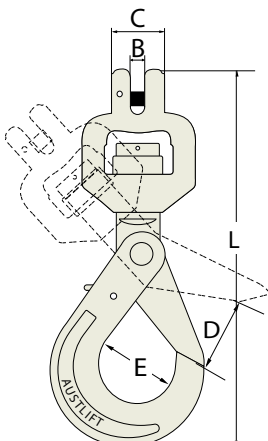
| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------------|-------|------|------------|------|-------|----|------|------|-------|
| | | | | A | B | C | C1 | D | E | W |
| | mm | tonne | kg | mm | mm | mm | mm | mm | mm | mm |
| 102406 | 6 | 1.1 | 0.71 | 15 | 32.5 | 164.5 | 35 | 11.5 | 28 | 69.7 |
| 102408 | 8 | 2 | 1.12 | 20 | 36 | 204 | 42 | 13 | 36.5 | 88 |
| 102410 | 10 | 3.15 | 2 | 26 | 42 | 240.5 | 50 | 15.5 | 45 | 107.7 |
| 102413 | 13 | 5.3 | 4 | 32.5 | 50 | 284.5 | 60 | 17 | 53.6 | 137 |
| 102416 | 16 | 8 | 7.3 | 38 | 61 | 350.5 | 65 | 21.5 | 61 | 165.5 |

Swivel Self Locking Hook, Clevis Type (LT)



Austlift LT type Swivel Self locking hook, Clevis Type, fitted with a ball bearing which will allow the hook to swivel under load. The clevis type will let chain connected to the hook directly which makes the chain sling compact and friendly to use.

- Marked with chain size, product ID, Grade and Manufacture's ID.
- Manufactured from G80 Material with safety factor of 4 to 1.
- Test certificate available upon request.
- Spare Trigger Kits and Swivel Clevis head are available.
- Conforms to AS3776.

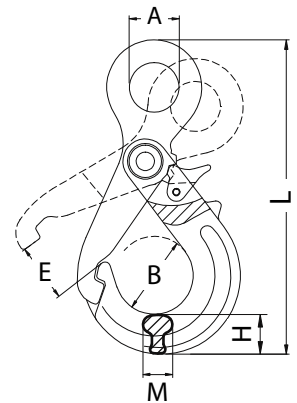


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------------|-------|------|------------|----|----|----|-------|
| | | | | B | C | D | E | L |
| | mm | tonne | kg | mm | mm | mm | mm | mm |
| 103106 | 6 | 1.12 | 0.73 | 8 | 32 | 28 | 34 | 180 |
| 103108 | 8 | 2 | 1.3 | 9.5 | 37 | 34 | 46 | 227.5 |

Grip Self Locking Hook Eye Type(NE)

Austlift NE Type Eye Grip-Locking Hook allows the hook to remain open until the load is engaged, the hook will not open until the Trigger at the back is pressed. Eye style allows easy connection to the Chain and also has a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

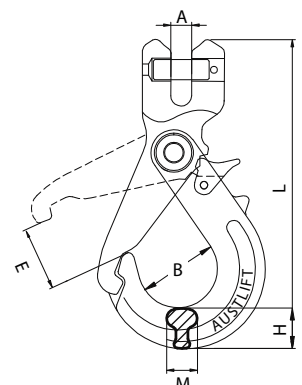


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|------|------|------------|------|------|------|-------|------|
| | mm | | | A mm | B mm | E mm | H mm | L mm | M mm |
| 102608 | 8 | 2 | 0.75 | 25 | 40 | 34 | 21.5 | 163 | 18 |
| 102610 | 10 | 3.15 | 1.2 | 32 | 50 | 42 | 26.5 | 201.5 | 22.5 |
| 102613 | 13 | 5.3 | 1.93 | 40 | 60 | 50 | 31 | 243.5 | 29 |
| 102616 | 16 | 8 | 3.4 | 50 | 70 | 60 | 39.5 | 298 | 35 |

Grip Self Locking Hook Clevis Type(NC)

Austlift NC Type Clevis Grip-Locking Hook allows the hook to remain open until the load is engaged. The hook will not open until the Trigger at the back is pressed. Clevis style allows easy connection to the Chain and also has a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Load Pins are available.

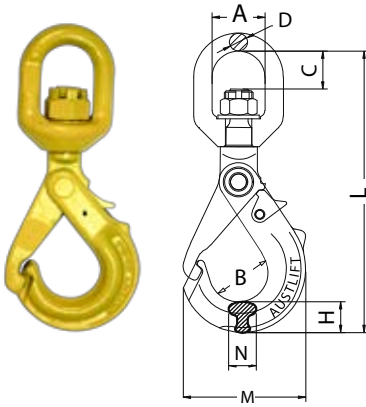


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-----|-----|------------|------|------|------|------|------|
| | mm | | | A mm | B mm | H mm | E mm | M mm | L mm |
| 102508 | 8 | 2 | 0.8 | 9.5 | 40 | 21.5 | 36 | 18 | 149 |

Grip hook, Swivel Type(NC)

Austlift NC Type Swivel Self-Locking Hooks are designed with a plain bush bearing swivel to allow the hook to reduce twist under load. They also have a unique design to prevent side loading of the latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Trigger Kits and Swivel Bow head are available.

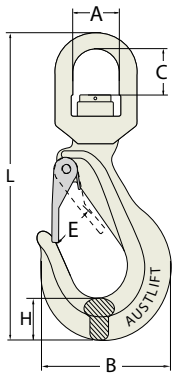


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------------|-------|------|------------|------|------|------|------|------|-------|
| | mm | tonne | kg | A mm | B mm | C mm | D mm | N mm | M mm | L mm |
| 102708 | 8 | 2 | 0.97 | 35.5 | 40 | 26 | 12.5 | 18 | 83 | 193.5 |
| 102710 | 10 | 3.15 | 1.83 | 42 | 50 | 33 | 15 | 22.5 | 101 | 233 |
| 102713 | 13 | 5.3 | 3.3 | 50 | 60 | 39 | 18 | 29 | 121 | 273 |

Swivel Hook with Safety Catch(SS)

Austlift SS Type Swivel Sling Hooks are designed with a plain bush bearing swivel thus allowing the hook to swivel under load. Comes with heavy duty Safety Latch.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.
- Spare Latch Kits are available.

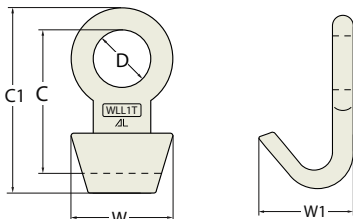


| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------------|-------|------|------------|-------|------|------|------|-------|
| | mm | tonne | kg | A mm | B mm | C mm | E mm | H mm | L mm |
| 102808 | 8 | 2 | 0.85 | 36 | 88.5 | 26 | 27 | 23.5 | 190 |
| 102810 | 10 | 3.15 | 1.54 | 42 | 104.5 | 34 | 32 | 29.5 | 233 |
| 102813 | 13 | 5.3 | 3.04 | 49 | 135 | 41 | 40 | 38 | 291.5 |
| 102816 | 16 | 8 | 5.36 | 61 | 161 | 53 | 45 | 45.4 | 352 |

Drum Hook, Eye Type

Austlift Eye Drum Hooks are used in pairs. They are designed to lift and transport steel drum with drum lid in place.

- Manufactured from grade 80 alloy steel.
- Drop forged and heat treated.
- Conforms to AS3776 for G80 fittings.
- Individually proof tested at 2 x WLL
- Test Certificates available upon request.



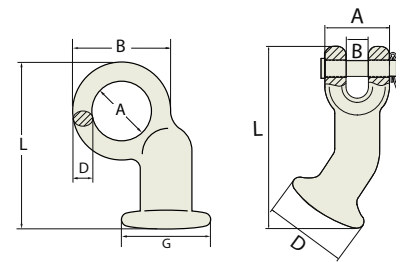
| CODE | WLL | DIMENSIONS | | | | |
|--------|---------|------------|-------|------|------|-------|
| | tonne | C mm | C1 mm | D mm | W mm | W1 mm |
| 104401 | 1t/pair | 109 | 118.5 | 38 | 59 | 60 |

Elephants Foot

Austlift Elephants Foot are commonly used as a lashing point to secure trucks, cars, container chassis and other vehicles on ships and barges in the marine industry.

- Lashing capacity of 5,000 kg with a minimum break load of 20,000 kg.
- Test Certificates available upon request.

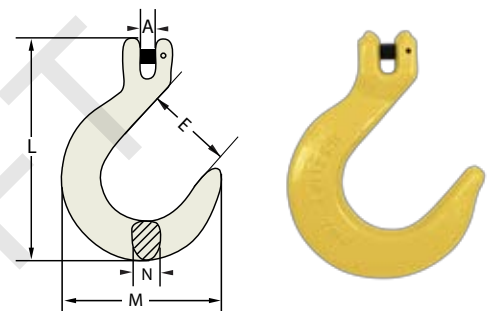
| CODE | LC | MBS | Wt. | DIMENSIONS | | | | | |
|--------|--------|------|-----|------------|---------|---------|---------|---------|---------|
| | type | kg | ton | kg | A mm | B mm | D mm | G mm | L mm |
| 106100 | Eye | 5000 | 20 | 0.67 | 28 | 60 | 16 | 52.5 | 116 |
| 106200 | Clevis | 5000 | 20 | 0.97 | 16 | 46 | 59 | - | 130 |



Foundry Hook, Clevis Type (FC)

Austlift FE Type Clevis Foundry Hooks are a special purpose hook with large mouth opening. The clevis allows easy connection to the chain. Suitable for lifting pipes and foundry applications.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Test Certificates available upon request.
- Conforms to AS3776.

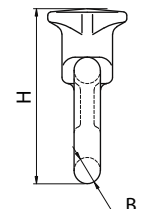
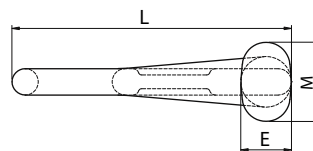
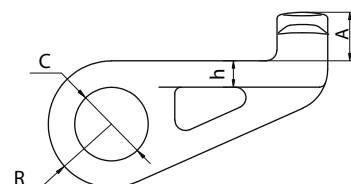


| CODE | TYPE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------|-------|-----|------------|---------|---------|---------|---------|--|
| | mm | tonne | kg | A mm | E mm | M mm | N mm | L mm | |
| 107008 | 7,8 | 2 | 1.1 | 9.5 | 63.4 | 128 | 18 | 161 | |
| 107010 | 10 | 3.15 | 2.5 | 13 | 76.9 | 156 | 32 | 199 | |

Container Hook

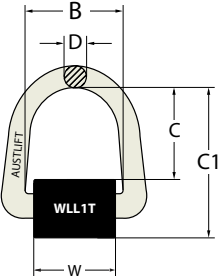
Austlift Eye Type Container Hooks are a special purpose hook suitable for lifting containers by connection to twist lock pocket. The large diameter eye allows most hooks size to fit. There is left and right hand configurations and a straight configuration available.

- Marked with Chain size, product ID, grade with manufacture quality mark and Austlift branded
- Manufactured from G80 alloy steel with a safety factor of 4 to 1.
- Conforms to AS 3776, Test Certificates available upon request.



| CODE | CHAIN SIZE | WLL | Wt. | DIMENSIONS | | | | | | | | | | |
|--------|------------|------------|-------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| | G80 mm | G100 mm | tonne | kg | A mm | B mm | C mm | E mm | R mm | M mm | L mm | H mm | h mm | |
| 104410 | Straight | 20 | 19 | 12.5 | 4 | 46 | 25 | 70 | 48 | 60 | 75 | 265 | 166 | 25 |
| 104412 | LH 45 | 20 | 19 | 12.5 | 4 | 46 | 25 | 70 | 48 | 60 | 75 | 265 | 166 | 25 |
| 104413 | RH 45 | 20 | 19 | 12.5 | 4 | 46 | 25 | 70 | 48 | 60 | 75 | 265 | 166 | 25 |

Weld on Point (WP)



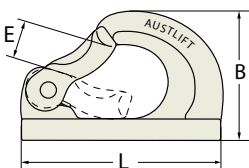
Austlift WP Type Weld on Lifting Points can be welded on any carbon steel surface as a lifting point, or to be used as a fixed anchor point for spreader beam attachment. Can also be used as an anchor point for load restraint applications.

- Marked with work load limit, product ID, grade with manufacture quality mark and Austlift branded.
- Manufactured from treated alloy steel with safety factor of 4:1
- Conforms to AS3776, Test Certificates available upon request.
- Welding instructions supplied with each unit

| CODE | WLL | Wt. | DIMENSIONS | | | | |
|--------|-------|------|------------|---------|---------|----------|---------|
| | tonne | kg | B mm | D mm | C mm | C1 mm | W mm |
| 104001 | 1 | 0.55 | 55 | 14 | 35 | 95.7 | 50 |
| 104003 | 3 | 0.9 | 64 | 17 | 50 | 99 | 58 |
| 104005 | 5 | 1.8 | 70 | 22 | 70 | 137 | 64 |
| 104008 | 8 | 2.5 | 85 | 26.5 | 90 | 144 | 66.5 |

Universal Weld on Hook (WH)

With Latch



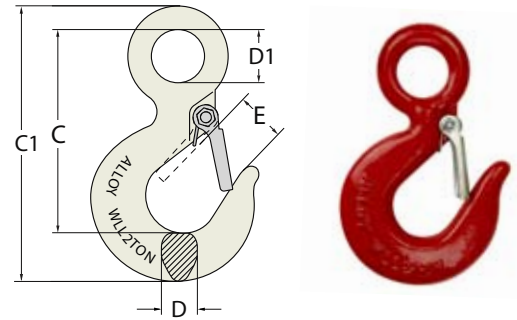
Austlift WH type Weld-on Hooks are a versatile hook for lifting and spreader beam attachment applications, can also be used for any fixed anchor point after welding the hook on.

- Marked with work load limit, grade and Austlift branded with manufacture quality mark.
- Made from G80 alloy steel with safety factor of 4:1
- Conforms to AS3776, Test Certificates available upon request.
- Welding instructions supplied with each unit

| CODE | CHAIN SIZE | WLL | B.L | Wt. | DIMENSIONS | | |
|--------|------------|-------|-------|------|------------|---------|---------|
| | mm | tonne | tonne | kg | B mm | E mm | L mm |
| 103801 | 6 | 1.1 | 5.5 | 0.35 | 53 | 18 | 87 |
| 103802 | 7, 8 | 2 | 10 | 0.55 | 63.5 | 26 | 112 |
| 103803 | 10 | 3.2 | 16 | 0.87 | 75 | 30 | 127.5 |
| 103805 | 13 | 5.3 | 26.5 | 1.75 | 92.5 | 35 | 160 |
| 103808 | 16 | 8 | 40 | 3.0 | 106 | 40 | 180 |
| 103812 | 22 | 12.5 | 62.5 | 6.16 | 140 | 51 | 236 |

Austlift International Eye Hoist Hooks with Safety Latch are commonly used for general lifting applications such as Wire Rope Slings or Winch Cables.

- Manufactured from forged alloy steel quenched and tempered.
- Capacities available from 1 ton to 11 ton.
- Marked with work load limit and alloy.
- Conforms to AS3777 with safety factor of 4:1
- Latch kits are available as spare part.
- Test Certificates available upon request

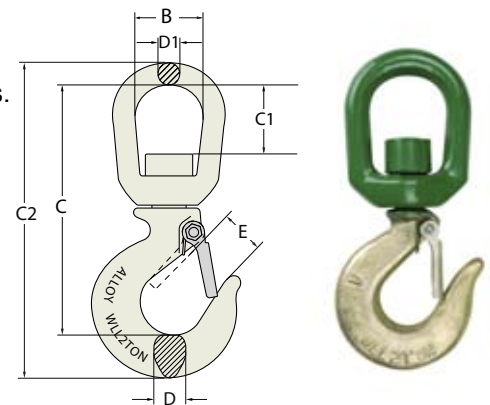


| CODE | WLL | B.L | Wt. | DIMENSIONS | | | | |
|--------|-------|-------|------|------------|----------|---------|----------|---------|
| | tonne | tonne | kg | C mm | C1 mm | D mm | D1 mm | E mm |
| 104510 | 1 | 5 | 0.28 | 82 | 110 | 16 | 19 | 22 |
| 104515 | 1.5 | 7.5 | 0.4 | 93.5 | 125 | 17.5 | 23 | 23 |
| 104520 | 2 | 10 | 0.65 | 103 | 140.5 | 21 | 28 | 24 |
| 104530 | 3 | 15 | 0.94 | 119 | 162 | 23 | 31 | 27.5 |
| 104545 | 4.5 | 25 | 1.95 | 146 | 201 | 30 | 39 | 33 |
| 104570 | 7 | 35 | 3.77 | 186.5 | 256 | 38 | 51 | 40 |
| 104599 | 11 | 55 | 6.80 | 231.5 | 317 | 46 | 62 | 51 |

Hoist Hook, Swivel Type

Austlift International Swivel Eye Hoist Hooks with Safety Latch are commonly used for general lifting and can also be towing applications.

- Manufactured from forged alloy steel quenched and tempered.
- Capacities available from 1 ton to 11 ton.
- Marked with work load limit and alloy.
- Conforms to AS3777 with safety factor of 4:1
- Latch kits are available as spare part.
- Test Certificates available upon request



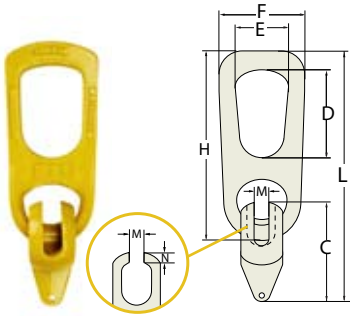
Special Note: This hook is a positioning device & is not intended to rotate under load.
Use in salt water requires the shank & nut to be inspected regularly.

| CODE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|-------|------|------------|---------|----------|----------|---------|----------|---------|
| | tonne | kg | B mm | C mm | C1 mm | C2 mm | D mm | D1 mm | E mm |
| 105010 | 1 | 0.34 | 32 | 108 | 22.5 | 136 | 16 | 9 | 17 |
| 105015 | 1.5 | 0.57 | 37.5 | 133.5 | 29.5 | 163.5 | 16 | 12 | 22.5 |
| 105020 | 2 | 1.02 | 42.5 | 150.5 | 33 | 192 | 17.5 | 15.8 | 26 |
| 105030 | 3 | 1.24 | 42.5 | 163 | 33 | 209 | 23 | 15.8 | 26 |
| 105045 | 4.5 | 2.25 | 48 | 191 | 39 | 246 | 31 | 18 | 32.5 |
| 105070 | 7 | 4.66 | 64 | 243.5 | 53 | 313 | 34 | 25 | 43 |
| 105099 | 11 | 7.4 | 70 | 277 | 53 | 364 | 41.5 | 28.5 | 49.5 |

Swivel Panel Lifter



ANCHOR AND CLUTCH MUST BE MATCHED.



Austlift Panel Lifters are a versatile lifting product for lifting pre-cast concrete products such as construction panels, pipes, columns etc.

- Marked with workload limit, serial number and Austlift branded.
- Made from G80 alloy steel with a safety factor of 5 to 1.
- Conforms to AS3850, Test Certificates available with each unit.

Regularly Check Table*

| WLL(T) | M max (mm) | N min(mm) |
|--------|------------|-----------|
| 1.3 | 13 | 5.5 |
| 2.5 | 18 | 5.5 |
| 5 | 25 | 8 |
| 10 | 32 | 12 |
| 20 | 46 | 18 |
| 32 | 58 | 24 |

| CODE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|-------|-------|------------|-------|-------|-----|-------|------|-----|
| | | | C | D | E | F | H | M | L |
| | tonne | kg | mm | mm | mm | mm | mm | mm | mm |
| 141001 | 1.3 | 0.89 | 80.4 | 70.5 | 45 | 73 | 157 | 11.5 | 181 |
| 141002 | 2.5 | 1.3 | 99 | 85 | 57 | 88 | 190 | 16 | 220 |
| 141005 | 5 | 3.24 | 133 | 88 | 69 | 110 | 233 | 22 | 271 |
| 141010 | 10 | 10 | 176 | 116 | 83 | 161 | 336.5 | 30 | 386 |
| 141020 | 20 | 20.37 | 228 | 133.5 | 107.5 | 182 | 437 | 42 | 497 |
| 141030 | 32 | 47 | 325 | 188 | 160 | 272 | 555 | 52 | 760 |

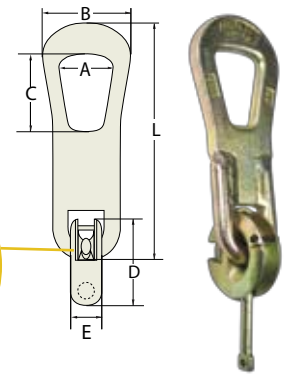
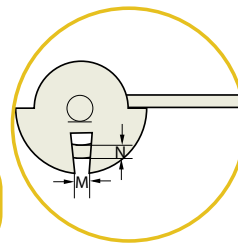
*Panel Lifters should be checked regularly follow the Regularly Check Table.

Austlift Ring Clutch is a lifting device which is used together with Austlift Cast Plate Anchors. Ring Clutches are used for lifting large precast concrete panels. The Ring Head of the clutch has a locking bolt, which helps to safely lock into plate anchors while the concrete panels is in lifting process. Austlift Ring Clutches are available in a variety of lifting capacities to suite to your work.

- Capacities available from 2.5 tonne to 10 tonne.
- All clutches are proof loaded, Test Certificate supplied.
- Ring Clutches have a safety factor of 5 to 1.



ANCHOR AND CLUTCH MUST BE MATCHED.



| CODE | WLL | DIMENSIONS | | | | | |
|--------|----------|------------|---------|---------|---------|---------|---------|
| | tonne | A mm | B mm | C mm | D mm | E mm | L mm |
| 141102 | 0.7-2.5 | 52 | 92 | 70 | 74 | 30 | 285 |
| 141105 | 3.0-5.0 | 71 | 120 | 86 | 98 | 36 | 285 |
| 141110 | 5.3-10.0 | 90 | 156 | 112 | 139 | 50 | 353 |

Regularly Check Table*

| WLL (T) | M max (mm) | N min (mm) |
|------------|---------------|---------------|
| 0.7-2.5 | 13 | 12 |
| 3.0-5.0 | 19.5 | 15.5 |
| 5.3-10.0 | 23.5 | 22.5 |

*Panel Lifters should be checked regularly follow the Regularly Check Table.

Spread Anchor

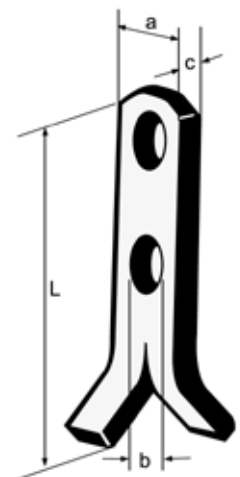
| 0.7-2.5T | WLL | DIMENSIONS | | | |
|----------|-------|------------|---------|---------|---------|
| CODE | tonne | a mm | b mm | c mm | L mm |
| 730711 | 0.7 | 30 | 14 | 5 | 110 |
| 731411 | 1.4 | 30 | 14 | 6 | 110 |
| 731416 | 1.4 | 30 | 14 | 6 | 160 |
| 732013 | 2.0 | 30 | 14 | 8 | 130 |
| 732016 | 2.0 | 30 | 14 | 8 | 160 |
| 732021 | 2.0 | 30 | 14 | 8 | 210 |
| 732515 | 2.5 | 30 | 14 | 10 | 150 |
| 732520 | 2.5 | 30 | 14 | 10 | 200 |
| 732525 | 2.5 | 30 | 14 | 10 | 250 |

Austlift RR Anchors are produced from high strength low alloy steel plates. Austlift RR Anchors have high tensile strength and good elongation. Due to special material, Austlift RR Anchors has high impact test value and can be used under low temperature circumstances (up to - 20). Upper hole of RR Anchor is used for connection with Austlift Ring Clutch. Bottom hole is used for reinforcement. Due to reinforcement, force is transmitted to precast concrete element. Austlift Two Holes Anchor can be used for lifting of precast concrete girders, plates other elements.

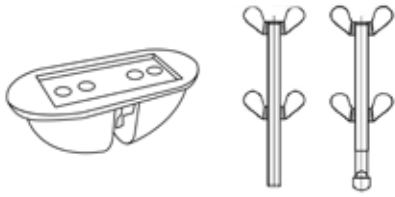


| 3-5T | WLL | DIMENSIONS | | | |
|--------|-------|------------|---------|---------|---------|
| CODE | tonne | a mm | b mm | c mm | L mm |
| 733016 | 3.0 | 40 | 18 | 10 | 160 |
| 733020 | 3.0 | 40 | 18 | 10 | 200 |
| 733028 | 3.0 | 40 | 18 | 10 | 280 |
| 734018 | 4.0 | 40 | 18 | 12 | 180 |
| 734024 | 4.0 | 40 | 18 | 12 | 240 |
| 734032 | 4.0 | 40 | 18 | 12 | 320 |
| 735018 | 5.0 | 40 | 18 | 15 | 180 |
| 735024 | 5.0 | 40 | 18 | 15 | 240 |
| 735040 | 5.0 | 40 | 18 | 15 | 400 |

| 5.3-10T | WLL | DIMENSIONS | | | |
|---------|-------|------------|---------|---------|---------|
| CODE | tonne | a mm | b mm | c mm | L mm |
| 735322 | 5.3 | 60 | 26 | 12 | 220 |
| 735326 | 5.3 | 60 | 26 | 12 | 260 |
| 735334 | 5.3 | 60 | 26 | 12 | 340 |
| 737526 | 7.5 | 60 | 26 | 16 | 260 |
| 737530 | 7.5 | 60 | 26 | 16 | 300 |
| 737542 | 7.5 | 60 | 26 | 16 | 420 |
| 739030 | 10 | 60 | 26 | 20 | 300 |
| 739037 | 10 | 60 | 26 | 20 | 370 |
| 739052 | 10 | 60 | 26 | 20 | 520 |

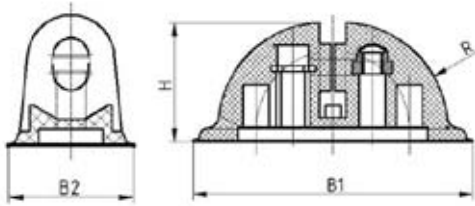


Recess Former Kit



Austlift Recess Former kit are special lifting accessories which used together with Austlift Lifting Stud and Austlift Lifting Clutch. They are needed to create a hole in the concrete element, when lifting stud is mounted to the concrete. After concrete is stable, Austlift Recess Former is taken out and lifting clutch is used to lift the precast concrete element.

Austlift Recess Former Round is made from rubber. Each size has a different colour, which makes identification of load class easier.



| CODE | WLL. | DIMENSIONS | | | | |
|--------|------|------------|----|----|----|-------|
| | | B1 | B2 | R | H | Wt |
| | ton | mm | mm | mm | mm | kg/pc |
| 141132 | 2.5 | 106 | 43 | 40 | 45 | 0.13 |
| 141135 | 5 | 134 | 55 | 56 | 59 | 0.24 |
| 141137 | 10 | 188 | 78 | 80 | 81 | 0.66 |

Swivel - Bow/Clevis Type

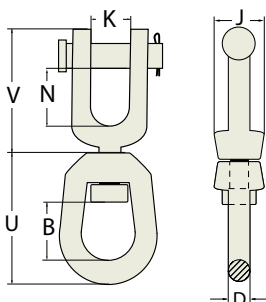


Note: Swivels are intended as positioning devices and are not to rotate under load. Applications in corrosive environment requires shank and nut inspection and lubrication regularly.



Austlift Swivel Type Bow & Clevis are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.

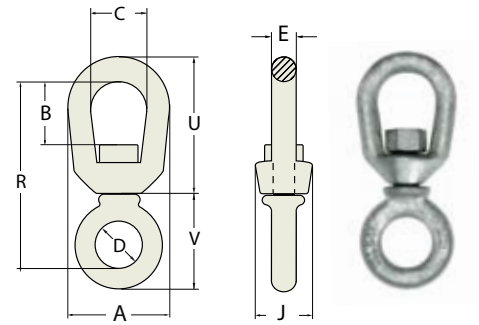


| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------|-------|------|------------|----|------|------|------|------|------|
| | | | | B | D | J | K | N | U | V |
| | mm | tonne | kg | mm | mm | mm | mm | mm | mm | mm |
| 109206 | 6 | 0.39 | 0.1 | 17.5 | 6 | 17.5 | 11.9 | 22.4 | 42.9 | 42.9 |
| 109208 | 8 | 0.57 | 0.15 | 20.6 | 8 | 20.6 | 12.7 | 22.4 | 52 | 46 |
| 109210 | 10 | 1.02 | 0.30 | 23.9 | 10 | 25.4 | 16 | 26.9 | 63.5 | 57 |
| 109212 | 12 | 1.63 | 0.61 | 33.3 | 12 | 33.3 | 18.1 | 33.3 | 81 | 73 |
| 109216 | 16 | 2.36 | 1.12 | 39.5 | 16 | 41.4 | 23.9 | 38.1 | 98.5 | 87 |
| 109220 | 20 | 3.27 | 1.76 | 44.5 | 20 | 47.8 | 28.7 | 44.5 | 109 | 102 |
| 109225 | 25 | 5.67 | 4.46 | 58.5 | 25 | 67 | 44.5 | 71.5 | 146 | 151 |

Swivel - Eye/Bow Type

Austlift Swivel Type Eye & Bow are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.

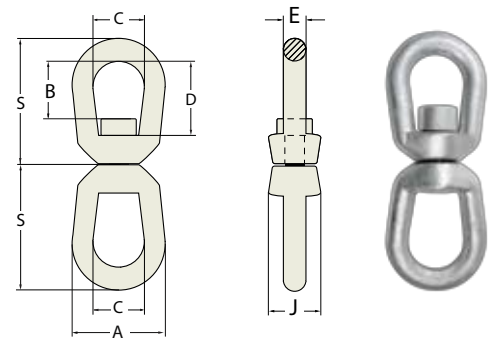


| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | | | | |
|--------|------|-------|------|------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | mm | tonne | kg | A mm | B mm | C mm | D mm | E mm | J mm | R mm | U mm | V mm |
| 109006 | 6 | 0.39 | 0.06 | 31.8 | 17.5 | 19.1 | 15.7 | 6 | 17.5 | 57 | 42.9 | 31.8 |
| 109008 | 8 | 0.57 | 0.11 | 41.4 | 20.6 | 25.4 | 19.1 | 8 | 20.6 | 69 | 52.5 | 37.3 |
| 109010 | 10 | 1.02 | 0.24 | 51 | 23.9 | 31.8 | 25.4 | 10 | 25.4 | 87 | 63.5 | 47.8 |
| 109012 | 12 | 1.63 | 0.51 | 63.5 | 33.3 | 38.1 | 31.8 | 12 | 33.3 | 108 | 81 | 62 |
| 109016 | 16 | 2.36 | 0.95 | 76.2 | 39.6 | 44.5 | 38.1 | 16 | 38.1 | 130 | 98.5 | 74.5 |
| 109020 | 20 | 3.27 | 1.4 | 89 | 44.5 | 51 | 44.5 | 20 | 47.8 | 147 | 125 | 88 |
| 109025 | 25 | 5.72 | 3.2 | 92 | 56 | 62 | 52.5 | 25 | 56.3 | 156 | 134 | 95 |

Swivel - Bow/Bow Type

Austlift Swivel Type Bow & Bow are commonly used for marine and fishing applications. Manufactured from high tensile steel, quenched, tempered and hot dipped galvanized.

- Sizes available from 6mm to 25mm.
- Ultimate load is 5 times working load limit.
- Test Certificates available upon request.



| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|----------|------|-------|------|------------|---------|---------|---------|---------|---------|---------|
| | mm | tonne | kg | A mm | B mm | C mm | D mm | E mm | S mm | J mm |
| 109106 | 6 | 0.39 | 0.1 | 31.8 | 17.5 | 19.1 | 26.9 | 6 | 42.9 | 17.5 |
| 109108 | 8 | 0.57 | 0.18 | 41.4 | 20.6 | 25.4 | 31.8 | 8 | 52 | 20.6 |
| 109110 | 10 | 1.02 | 0.32 | 51 | 23.9 | 31.8 | 38.1 | 10 | 63.5 | 25.4 |
| 109112 | 12 | 1.63 | 0.6 | 63.5 | 33.3 | 38.1 | 51 | 12 | 81 | 33.3 |
| 109116 | 16 | 2.36 | 1.13 | 76 | 39.5 | 44.5 | 60.5 | 16 | 98.5 | 38.1 |
| 109120 | 20 | 3.27 | 1.82 | 89 | 44.5 | 51 | 67 | 20 | 109 | 47.8 |
| 109122** | 22 | 4.5 | 2.4 | 100 | 50.3 | 55.5 | 57 | 23.1 | 120 | 55 |
| 109125 | 25 | 5.67 | 4.06 | 114 | 58.5 | 63.5 | 89 | 25 | 146 | 60.5 |

** 109122: Delete stock line after sold out.



Note: Swivels are intended as positioning devices and are not to rotate under load. Applications in corrosive environment requires shank and nut inspection and lubrication regularly.

SPARE PARTS

Spare Parts for Hooks



Safety Latch for Sling Hook

| CODE | SIZE | SUIT FOR PRODUCTS | | |
|----------|------|-------------------|----------|----------|
| | mm | Eye | Clevis | Swivel |
| 030006SP | 6 | SE-6-8 | SC-6-8 | SS-6-8 |
| 030008SP | 7/8 | SE-7/8-8 | SC-7/8-8 | SS-7/8-8 |
| 030010SP | 10 | SE-10-8 | SC-10-8 | SS-10-8 |
| 030013SP | 13 | SE-13-8 | SC-13-8 | SS-13-8 |
| 030016SP | 16 | SE-16-8 | SC-16-8 | SS-16-8 |
| 030020SP | 20 | SE-20-8 | SC-20-8 | SS-20-8 |
| 030022SP | 22 | SE-22-8 | SC-22-8 | SS-22-8 |
| 030026SP | 26 | SE-26-8 | SC-26-8 | SS-26-8 |
| 030032SP | 32 | SE-32-8 | SC-32-8 | SS-32-8 |



Safety Trigger Kit
for Self Locking Hook

| CODE | SIZE | SUIT FOR PRODUCTS | | |
|--------|------|-------------------|----------|----------|
| | mm | Eye | Clevis | Swivel |
| 030106 | 6 | LE-6-8 | LC-6-8 | LS-6-8 |
| 030108 | 7/8 | LE-7/8-8 | LC-7/8-8 | LS-7/8-8 |
| 030110 | 10 | LE-10-8 | LC-10-8 | LS-10-8 |
| 030113 | 13 | LE-13-8 | LC-13-8 | LS-13-8 |
| 030116 | 16 | LE-16-8 | LC-16-8 | LS-61-8 |
| 030120 | 20 | LE-20-8 | LC-20-8 | LS-20-8 |
| 030122 | 22 | LE-22-8 | LC-22-8 | LS-22-8 |
| 030126 | 26 | LE-26-8 | LC-26-8 | LS-26-8 |
| 030132 | 32 | LE-32-8 | LC-32-8 | LS-32-8 |



Safety Catch for
Hoist Hook and Swivel Hook

| CODE | WLL | SUIT FOR PRODUCTS | |
|----------|-------|-------------------|-------------|
| | tonne | Hoist Hook | Swivel Hook |
| 030210SP | 1 | 104510 | 104510 |
| 030215SP | 1.5 | 104515 | 104515 |
| 030220SP | 2 | 104520 | 104520 |
| 030230SP | 3 | 104523 | 104530 |
| 030245SP | 4.5 | 104545 | 104545 |
| 030270SP | 7 | 104570 | 104570 |
| 030290SP | 11 | 104599 | 104599 |

| CODE | WLL | SUIT FOR PRODUCTS |
|----------|-------|-------------------|
| | tonne | |
| 030201SP | 1 | WH-1-8 |
| 030202SP | 2 | WH-2-8 |
| 030203SP | 3 | WH-3-8 |
| 030205SP | 5 | WH-5-8 |
| 030208SP | 8 | WH-8-8 |



Safety Latch Kit for Weld on Hook

| CODE | SIZE | SUIT FOR | | | |
|----------|------|-------------------|-----------------------|------------------|------------------|
| | mm | Clevis Sling Hook | Clevis Self Lock Hook | Clevis Grip Hook | Clevis Grab Hook |
| 030306SP | 6 | SC-6-8 | LC-6-8 | GLC-6-8 | GC-6-8 |
| 030308SP | 7/8 | SC-7/8-8 | LC-6-8 | GLC-6-8 | GC-7/8-8 |
| 030310SP | 10 | SC-10-8 | LC-6-8 | GLC-6-8 | GC-10-8 |
| 030313SP | 13 | SC-13-8 | LC-6-8 | GLC-6-8 | GC-13-8 |
| 030316SP | 16 | SC-16-8 | LC-6-8 | GLC-6-8 | GC-16-8 |
| 030320SP | 20 | SC-20-8 | LC-6-8 | GLC-6-8 | GC-20-8 |
| 030322SP | 22 | SC-22-8 | LC-6-8 | GLC-6-8 | GC-22-8 |
| 030326SP | 26 | SC-26-8 | LC-6-8 | GLC-6-8 | GC-26-8 |



Pin for Clevis Hook

| CODE | SIZE | SUIT FOR PRODUCTS |
|----------|------|-------------------|
| | mm | |
| 030506SP | 6 | CL-6-8 |
| 030508SP | 7/8 | CL-7/8-8 |
| 030510SP | 10 | CL-10-8 |
| 030513SP | 13 | CL-13-8 |
| 030516SP | 16 | CL-16-8 |
| 030520SP | 20 | CL-20-8 |
| 030522SP | 22 | CL-22-8 |
| 030526SP | 26 | CL-26-8 |
| 030532SP | 32 | CL-32-8 |



Pin and Stud for Chain connector

Chain Sling Tag & Connecting Ring

Austlift G80 Safe Work Load Tags are essential to identify a Chain Sling's lifting capacity together with other relevant information.

- Single and Multi lifting available.
- Sizes from 6mm to 16mm and blank tags available.
- Manufactured in 304 stainless steel material.

| SIZE | CODE (Single) | CODE (Multi) |
|-------|---------------|--------------|
| Blank | 100100 | 100200 |
| 6 | 100106 | 100206 |
| 7 | 100107 | 100207 |
| 8 | 100108 | 100208 |
| 10 | 100110 | 100210 |
| 13 | 100113 | 100213 |
| 16 | 100116 | 100216 |



WORKING LOAD LIMITS (TONNES)

GRADE 80 (T) Chain Slings

| DIA | DIRECT LOAD | ADJUSTABLE SLING | CHOKE HITCH | ENDLESS SLING | | | | | | | | | |
|-----|-------------|------------------|-------------|---------------|------|------|--------------|------|------|--------------|------|------|--------------|
| | | | | 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 | 1.95 | 1.6 | 1.1 | 1.95 | 1.6 | 1.1 | 2.2 |
| 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 |

ADVICE FOR SAFE USE & MAINTENANCE

Use

- Keep a register of all slings in use
- Never lift with a twisted Chain
- Chain Slings should be shortened with a shortening hook, never by knotting
- Protect the Chain against sharp edges by proper padding
- Never point load a hook - The load should always seat correctly in the bowl of the hook
- Always use the correct size sling for the load allowing for the included angle and the possibility of unequal loading
- The Master Link should always be able to move freely on the crane hook
- Avoid snatch-loading at all times.

Maintenance

Periodic examinations must be carried out by a competent person at least every 6 months or more frequently according to statutory regulations, type of use, past experience and harsh environment.

1. Chains with bent links or with cracks or gouges in the link should be replaced. As should deformed components such as bent Master Links, opened up Hooks and any fitting showing signs of damage.
2. The wear and tear of the Chain and components shall in no place exceed 10% – is defined as the reduction for the mean diameter of the material measured in two directions.
3. Overloaded Chain Slings must be taken out of service. Permanent elongation of Chain is max 5% and permanent increase of hook opening max 10%.

Assymetric Loading Conditions

For unequally loaded Chain Slings we recommend that the working load limits be determined as follows:

- 2-leg slings calculated as the corresponding 1-leg slings
- 3-leg and 4 leg slings calculated as the corresponding 2-leg slings.

Acidic Chemicals & Atmosheres

Chain and components Grade G80 must not be used in acidic conditions or corrosive environment.

Note: Hot dip galvanizing or plating is not allowed outside the control of the Chain manufacturer. Use of a Grab Hook 6mm to 26mm does not reduce the WLL of a sling, thanks to supporting lugs on either side of hook to prevent Chain link deformation. Use of a shortening hook 32mm will reduce a sling to 25% of its WLL.

Extreme Temperature Conditions

For G80 Chain Slings the "in-service" temperature of the whole or part of the Chain Sling affects the working load limit as follows:

| TEMPERATURE OF SLING | ALLOY PRODUCTS REDUCTION IN WORKING LOAD LIMIT |
|----------------------|--|
| -40° to 200°C | None |
| +200° to 300°C | 10% |
| +300° to 400°C | 25% |
| +400° | DO NOT USE |

All Austlift Alloy products meet the requirements of AS2321 for Chain and AS3775 for fittings. All Austlift Chain and fittings are manufactured to Lloyds Register Quality Assurance EN ISO 9001:9004 which is the direct equivalent to AS3901.

WELDING INSTRUCTIONS

For Austlift Weld on Hook (WH) & Lifting Point (WP)

| TEMPERATURES | WLL REDUCTION |
|----------------|---------------|
| -40° to 200°C | None |
| +200° to 300°C | 10% |
| +300° to 400°C | 25% |
| Over + 400°C | Do not use |

Guide for electrodes to use

| | |
|------------|-----------------------|
| AS 1553.1: | E4818 Grade 4-6 |
| AWS A5.1: | E7018-1 or equivalent |
| BS 639: | 51 56B 110 26(H) |
| DIN 1913: | E 51 54 B10 |
| ISO 2560: | E 51 5 B 120 20H |



| PRODUCT | MAX. WIDTH OF PLATE (mm) | MAX. HEIGHT OF PLATE (mm) | MIN THICKNESS OF PLATE (mm) | MIN. THICKNESS OF FILLET WELD (mm) |
|---------|--------------------------|---------------------------|-----------------------------|------------------------------------|
| WH-1-8 | 800 | 800 | 11 | 11 |
| WH-3-8 | 1290 | 1290 | 19 | 19 |
| WH-5-8 | 1560 | 1560 | 24 | 24 |
| WH-8-8 | 1780 | 1780 | 30 | 30 |
| WH-12-8 | 1930 | 1930 | 35 | 35 |
| WP-1-8 | 800 | 800 | 11 | 11 |
| WP-2-8 | 1050 | 1050 | 15 | 12 |
| WP-3-8 | 1290 | 1290 | 19 | 13 |
| WP-5-8 | 1560 | 1560 | 24 | 24 |
| WP-8-8 | 1780 | 1780 | 30 | 30 |



This chart provides the basic information of size of supporting material. The thicker the material, the bigger the plate that can be used. Please contact your nearest distributor for further information.

General

To properly install and weld an Austlift Weld-on Hook and Lifting Point requires a competent person who has experience in the lifting or load restraint industry. It also requires a qualified, experienced welder to perform the welding job.

Positioning

The following precaution should be observed when you are positioning the fitting.

1. This product shall be in the correct position to withstand all angles of the load strain
2. Positioned so that it cannot cause any damage to the product or other parts of the equipment to which it is welded.
3. The use of this product can not cause any injury to persons operating equipment.
4. Can not cause any unintentional unhooking when in use.
5. Placed in a position so that it can be easily hooked and unhooked safely.
6. The product does not hinder any operation eg: lifting or excavation
7. If this product is used for an excavator it should be welded in the middle upper part of the bucket
8. A qualified person shall certify that the product can be taken into service.

Warning

UNDER NO CIRCUMSTANCES SHOULD YOU EXCEED THE WORK LOAD LIMIT OF THIS PRODUCT

1. Do not use these products in an acidic environment
2. Contact your supplier for advice if these products are used in a corrosive environment
3. Do not treat this product with electric or hot dip galvanizing at any time

Lifting

1. When handling loads this must be done smoothly and free from jerking motions.
2. Never apply the load directly on the latch or on the tip of the hook.
3. Side loading is not permitted for weld on Hooks.
4. When lifting the load you should use the bottom part of the hook and the latch should be in closed position.



The components should be taken out of service immediately if any of the above faults are detected.

Welding

1. Material:

Take note of the tensile strength of supporting material to weld to. The following is a guide to determine the correct minimum height, length and thickness to ensure the right strength of support material in mild steel

2. Electrodes:

Any welding of this product should be carried out by a qualified person. Electrodes or wire shall be for use with low alloy or non-alloy steel.

Electrodes must be free from any moisture and wire free from rust before any kind of welding is to be carried out.

Recommended Welding Electrode; AS/NZS 1553, ISO 2560, DIN EN 499 BS EN 499 or equivalent.

3. Welding:

- Make sure all areas to be welded are cleaned and free from rust, paint, dirt, etc...
- The surface to be welded should be preheated. Ensure correct welding procedures are adopted in this case.
- First position to hook or lifting point then tack weld all four corners
- Then continuously weld the bottom joint and fill weld all around. Make sure the lifting point is welded to the ends of the bow.
- To reach maximum penetration, ensure that the welding torch or electrode is held 45° degree angle.
- It is recommended that you weld the top joint of the hook with a larger electrode
- Ensure that there are no cracks or pores in the welds or welded area
- Allow the weld to cool at room temperature. Do not use water or a fan to cool the weld
- All bare and unwelded areas should be painted to avoid rust
- All moving parts should be well lubricated after welding
- MIG Welding has less penetration than others and it is not recommended for welding
- G80 components

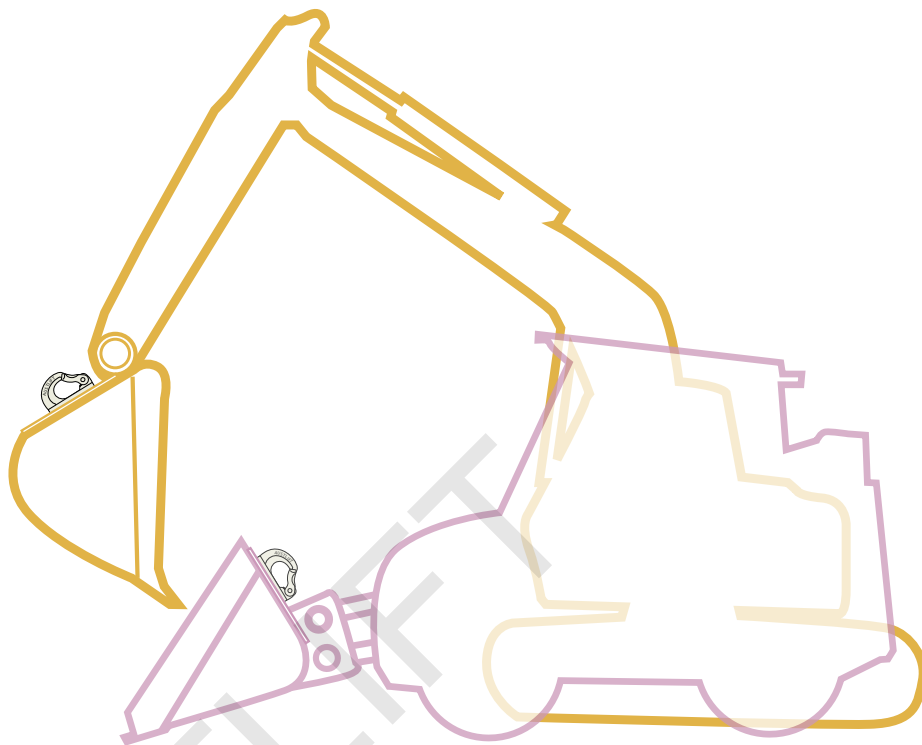
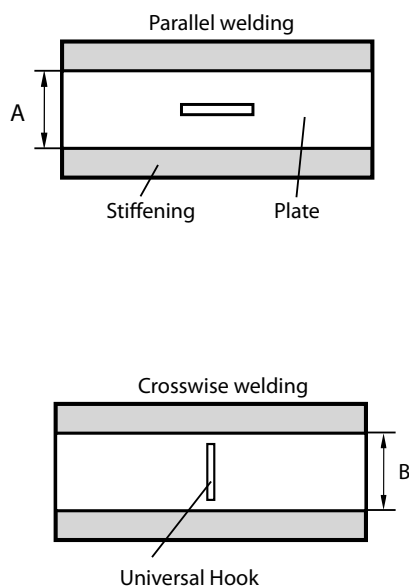
Inspection

A qualified person should inspect components regularly to maintain safe operating procedures.

1. Check for bent, nicks, wear, stretch, and elongation of the components
2. Check for any signs of corrosion
3. Check for any scoring or cracks on all welds and components
4. Check the latch, rivet and spring. Latch shall be working properly

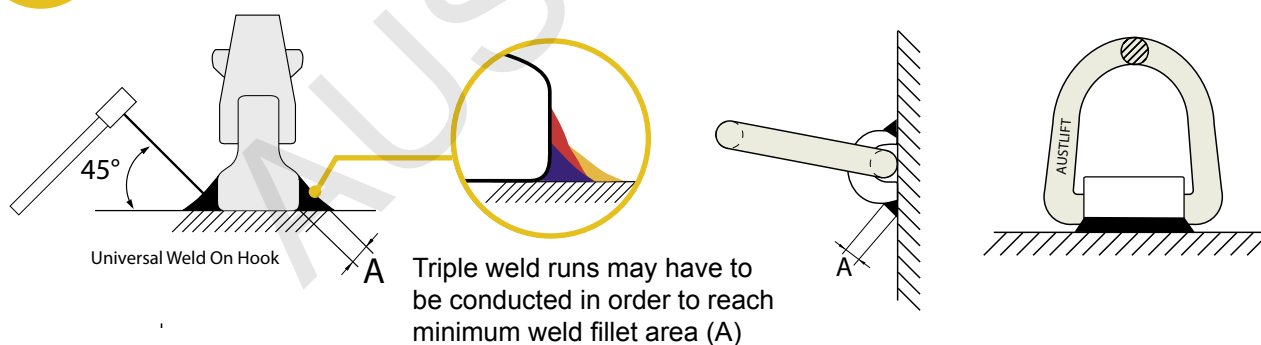
1

POSITION



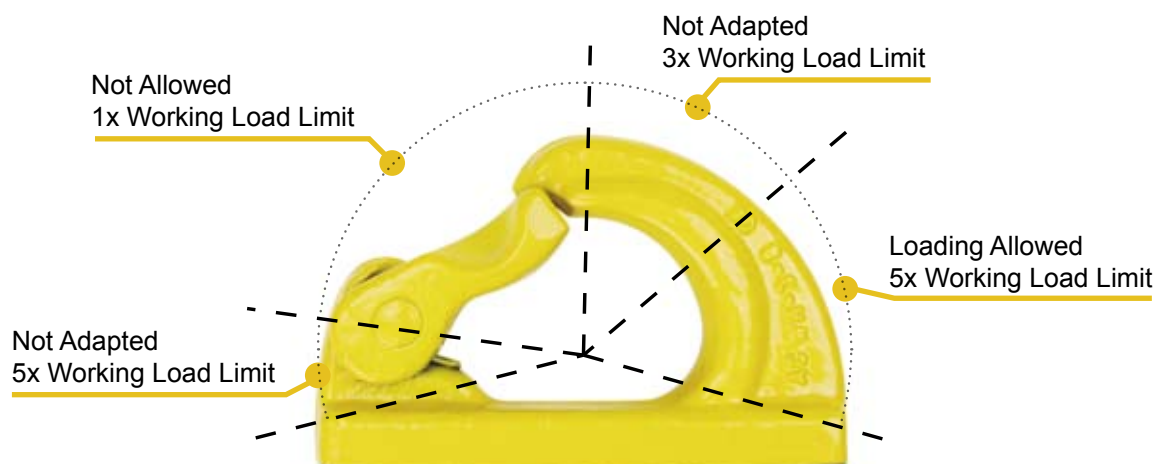
2

WELDING



3

LOADING



PANEL LIFTER INSTRUCTIONS

COUPLING

1. Check the load duty of the Anchor
2. To connect the Clutch to the Anchor, the sphere is pushed with its opening facing downwards over the Anchor.
3. The tongue of the sphere is then turned downwards to close around the Anchor.

LIFTING

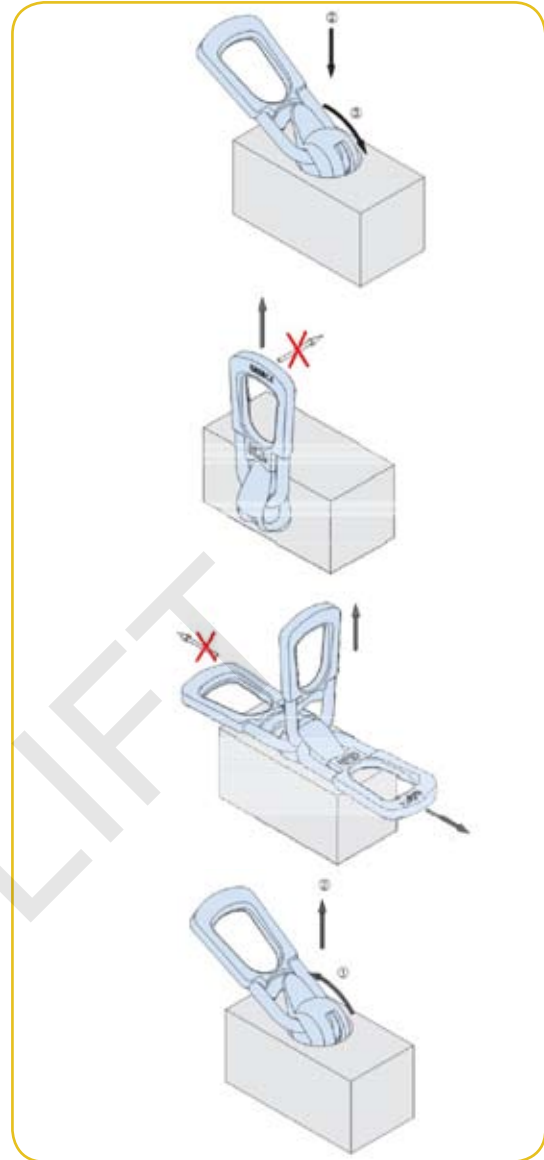
The Clutch is suitable for axial loads and pitching. The unit can also be swivelled on the Clutch when pitching the unit, the tongue must be in the closed position as shown.

Due to the counterweight of the tongue the sphere is always kept in the correct position, even if the load is released.

Turning the Clutch Head under load is limited by friction. Small quantities of grease are permitted if necessary.

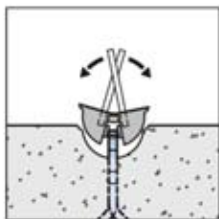
RELEASE

1. When the load is taken off, release the Clutch by turning the sphere with the tongue as shown.
2. Lift the Clutch away and do not let it dangle over the anchor.



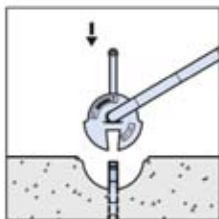
SWIVEL PANEL LIFTER INSTRUCTIONS

1



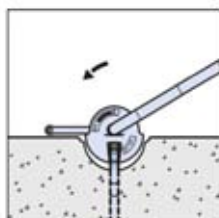
To demould the Recess Former, insert two rods into the holes and levered out by scissors action. This procedure can avoid damage the Recess Former. Attempting to remove the Recess Former using the tip of a carpenter's hammer will destroy it.

2



To transport the concrete panel, an appropriate Ring Clutch should be inserted over the Anchor Head which is in the concrete recess. The load ranges are designed to mismatch-proof.

3

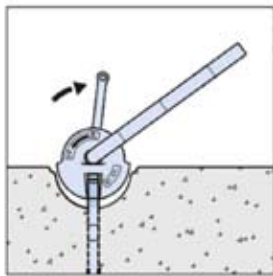
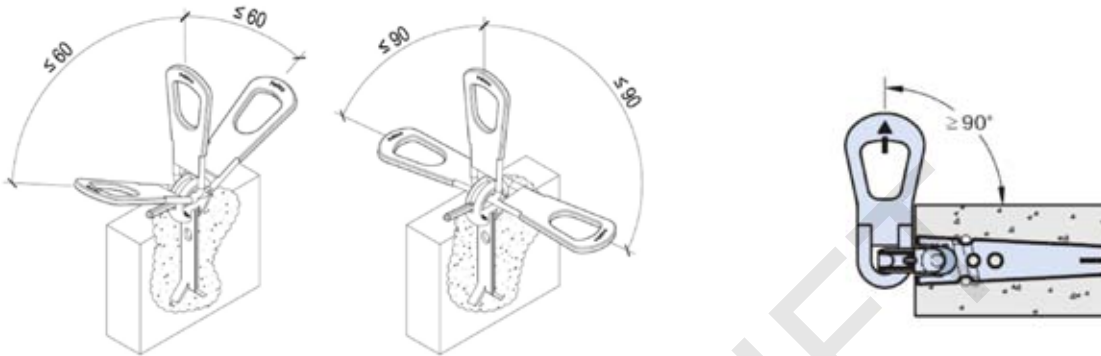


The Ring Clutch is positively locked by a simple hand-operated movement of the locking bolt. In resulting, the connection is safe, and the Clutch is free to move in any direction. The precast panel can now be lifted out of the mould for transporting.

PANEL LIFTER INSTRUCTIONS

Before lifting the precast concrete unit, remove as many sections of the mould as possible to minimise adhesion to the mould. Inadequate demoulding is the most common cause of flaking of the precast concrete unit as the forces acting on the lift system may be several times the actual weight of the precast unit.

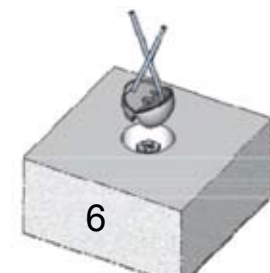
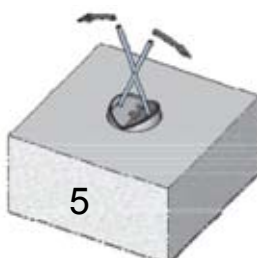
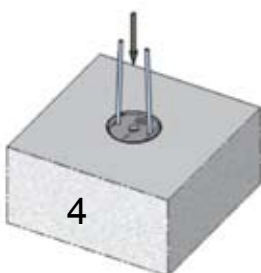
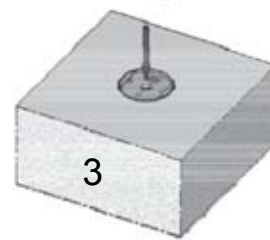
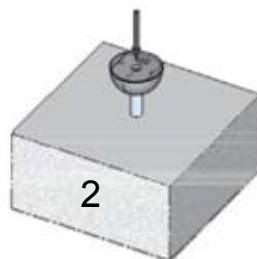
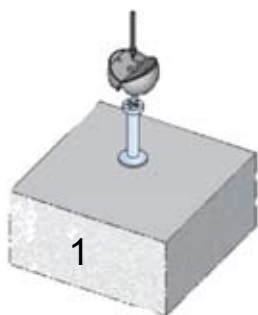
The Ring Clutch is to use for all load directions. Maximum load of Anchor and Clutch must be considered. Angle pull caused by spreaded Chain suspension is limited by maximal 60°.



Release the Clutch

The Ring Clutch can be released manually by pushing back the locking bolt once the device is off-load.

RECESS FORMER INSTRUCTIONS



AUSTRALIAN LIFTING CENTRE PTY LTD

MATERIAL HANDLING & HOISTING EQUIPMENT

AUSTLIFT



 **AUSTLIFT®**

1300 100 120
WWW.AUSTLIFT.COM.AU

Contents

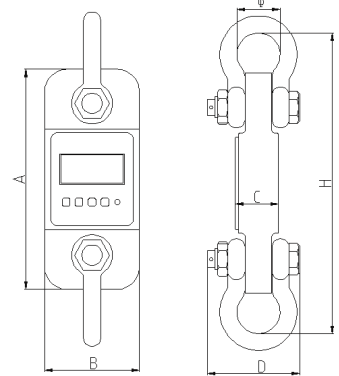
| | |
|--------------------------------------|-----------|
| <i>Load Cell</i> | <i>51</i> |
| <i>Chain Block (W3 Series)</i> | <i>52</i> |
| <i>Chain Block (W3 Series)</i> | <i>53</i> |
| <i>Lever Block (L3 Series)</i> | <i>54</i> |
| <i>Light Duty Snatch Block</i> | <i>54</i> |
| <i>Heavy Duty Snatch Block</i> | <i>55</i> |
| <i>Heavy Duty Snatch Block</i> | <i>55</i> |
| <i>Permanent Magnetic Lifter</i> | <i>56</i> |
| <i>Wire Rope Winch</i> | <i>56</i> |
| <i>Wire Rope Winch Instructions</i> | <i>57</i> |
| <i>Electric Chain Hoist</i> | <i>58</i> |
| <i>Electric Wire Rope Hoist</i> | <i>59</i> |
| <i>Swivel Hoist Frame</i> | <i>59</i> |
| <i>Mini Wire Rope Hoist</i> | <i>60</i> |
| <i>Universal Plate Clamp</i> | <i>60</i> |
| <i>Horizontal Plate Clamp</i> | <i>60</i> |
| <i>Girder Clamp</i> | <i>61</i> |
| <i>Push Trolley</i> | <i>61</i> |
| <i>Geared Trolley</i> | <i>62</i> |
| <i>Drum Trolley</i> | <i>62</i> |
| <i>Drum Lifter</i> | <i>62</i> |
| <i>Chain Block Spare Parts</i> | <i>63</i> |
| <i>Level Block Spare Parts</i> | <i>64</i> |
| <i>Plate Clamps Repair Kits</i> | <i>65</i> |
| <i>Level Block Spare Parts</i> | <i>65</i> |
| <i>Snatch Block Sb01 Spare Parts</i> | <i>66</i> |

Austlift Shackle Link Load cells are used for measuring the accurate weight of an object to be lifted or tensioned mainly for use for the crane and rigging industry, test laboratories also research and development facilities.

- Robust construction and large digital display with back light feature.
- Capacities available from 1 tonne to 200 tonne with accuracy of 0.1%.
- Capable of measuring loads in pounds, tonnes and kilogram units.
- Battery operated with low battery and overload warning feature.
- All load cells comes with two shackles and remote in heavy duty carry case.



The remote control is not recommended for use in explosive environments.
Load cells should not be exposed in heavy moisture conditions for long periods.
Aluminium load cell units are not suitable to be used in mine sites.



| Model | Max. Capacity (Kg) | Min. Weight (Kg) | Division (Kg) | Total Display Counts(N) |
|--------|-----------------------|---------------------|------------------|----------------------------|
| 160001 | 1000 | 10 | 0.5 | 2000 |
| 160002 | 2000 | 20 | 1 | 2000 |
| 160003 | 3000 | 20 | 1 | 3000 |
| 160005 | 5000 | 40 | 2 | 2500 |
| 160010 | 10000 | 100 | 5 | 2000 |
| 160020 | 20000 | 200 | 10 | 2000 |
| 160030 | 30000 | 200 | 10 | 3000 |
| 160050 | 50000 | 400 | 20 | 2500 |
| 160100 | 100000 | 1000 | 50 | 2000 |
| 160200 | 200000 | 2000 | 100 | 2000 |

| Product Code | WLL | Div | A | B | C | D | Φ | H | Material |
|--------------|-----|-----|-----|-----|-----|-----|-----|------|-------------|
| | T | kg | mm | mm | mm | mm | mm | mm | |
| 160001 | 1 | 0.5 | 245 | 112 | 37 | 190 | 43 | 335 | Aluminium |
| 160002 | 2 | 1 | 245 | 116 | 37 | 190 | 43 | 335 | Aluminium |
| 160003 | 3 | 1 | 260 | 123 | 37 | 195 | 51 | 365 | Aluminium |
| 160005 | 5 | 2 | 285 | 123 | 57 | 210 | 58 | 405 | Aluminium |
| 160010 | 10 | 5 | 320 | 120 | 57 | 230 | 92 | 535 | Alloy Steel |
| 160020 | 20 | 10 | 420 | 128 | 74 | 260 | 127 | 660 | Alloy Steel |
| 160030 | 30 | 10 | 420 | 138 | 82 | 280 | 146 | 740 | Alloy Steel |
| 160050 | 50 | 20 | 465 | 150 | 104 | 305 | 184 | 930 | Alloy Steel |
| 160100 | 100 | 50 | 570 | 190 | 132 | 366 | 229 | 1230 | Alloy Steel |
| 160200 | 200 | 100 | 725 | 265 | 183 | 440 | 280 | 1380 | Alloy Steel |

| Code | 160001 | 160002 | 160003 | 160005 | 160010 | 160020 | 160030 | 160050 | 160100 | 160200 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Unit Weight (Kg) | 1.6 | 1.7 | 2.1 | 2.7 | 10.4 | 17.8 | 25 | 39 | 81 | 210 |
| Weight with Shackle (Kg) | 3.1 | 3.2 | 4.6 | 6.3 | 24.8 | 48.6 | 87 | 128 | 321 | 776 |

W3 Series

Chain Block (W3 Series)



Austlift industrial Grade W-3 series manually operated Chain Blocks are used for general hoisting operation such as mining, construction, industrial lifting and domestic applications.

- Rated capacities from 250kg to 20 tonne.
- Standard height of lift is 3 and 6 metre.
Other height of lift available upon request.
- Manufactured for ease of operation, and light weight in design.
- Robust, durable and compact in construction
- All blocks come with ball bearing Swivel Hook.
- Individually serial numbered with Test Certificate and instruction manual supplied.
- Conforms to AS1418.2 standards.
- Spare parts available refer to page 63.

Please check operation manual for more details

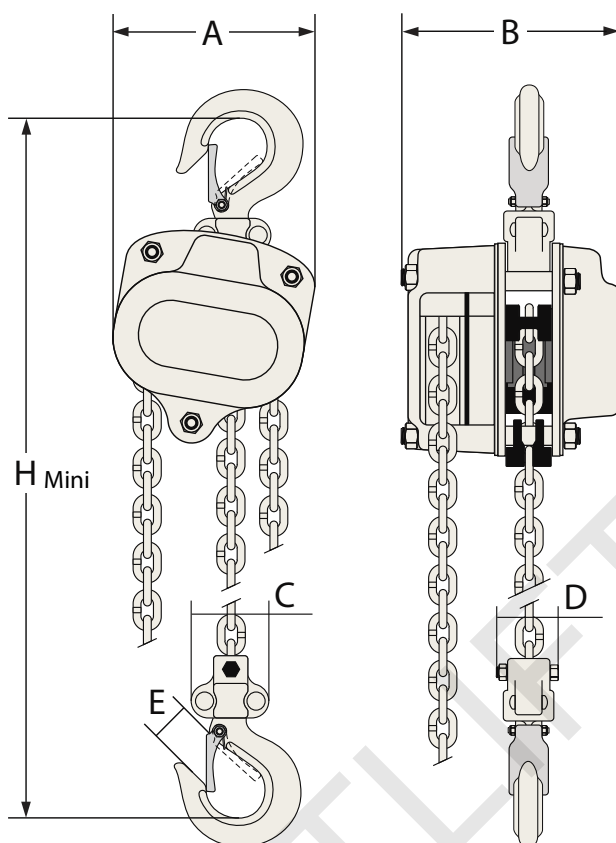
| DIMENSIONS | | | | | | | | |
|---------------|---------------|-----------|------|------|------|------|------|-----------|
| 3M Chain Code | 6M Chain Code | WLL Tonne | A mm | B mm | C mm | D mm | E mm | H MINI mm |
| 111002 | - | 0.25 | 95 | 97 | 27 | 27 | 18 | 230 |
| 111005 | 111505 | 0.5 | 140 | 131 | 60 | 33 | 31 | 312 |
| 111010 | 111510 | 1 | 156 | 151 | 61 | 31 | 33 | 360 |
| 111015 | 111515 | 1.5 | 176 | 151 | 60 | 44 | 38 | 385 |
| 111020 | 111520 | 2 | 223 | 183 | 67 | 58 | 40 | 430 |
| 111025 | 111525 | 3 | 223 | 151 | 106 | 85 | 44 | 490 |
| 111030 | 111530 | 5 | 252 | 183 | 133 | 64 | 49 | 675 |
| 111035 | 111535 | 10 | 380 | 183 | 263 | 88 | 64 | 880 |
| 111040 | 111540 | 15 | 420 | 230 | 310 | 95 | 80 | 950 |
| 111045 | 111542 | 20 | 480 | 320 | 580 | 100 | 95 | 1075 |

| 3M Chain CODE | 6M Chain CODE | WLL (T) | Test Load (T) | Pulling Effort (Kg) | Load Chain Size (mm) | No. of chain falls | Net Weight (Kg) | Extra Weight/M Extra Lift (Kg) | Packaging Dimensions (cm) |
|---------------|---------------|---------|---------------|---------------------|----------------------|--------------------|-----------------|--------------------------------|---------------------------|
| 111002 | - | 0.25 | 0.32 | ≤25 | 4 | 1 | 3 | 1.5 | 22x17x23 |
| 111005 | 111505 | 0.5 | 0.63 | ≤27 | 5 | 1 | 8.2 | 1.5 | 22x17x23 |
| 111010 | 111510 | 1 | 1.25 | ≤31.5 | 6 | 1 | 11.3 | 1.8 | 24x18x23 |
| 111015 | 111515 | 1.5 | 1.88 | ≤36 | 7.1 | 1 | 13.2 | 2 | 26x18x26 |
| 111020 | 111520 | 2 | 2.5 | ≤40 | 8 | 1 | 21.3 | 2.7 | 32x20x29 |
| 111025 | 111525 | 3 | 3.75 | ≤47.5 | 7.1 | 2 | 21.7 | 3.2 | 31x18x33 |
| 111030 | 111530 | 5 | 7.5 | ≤48 | 9 | 2 | 39.7 | 5.3 | 40x20x36 |
| 111035 | 111535 | 10 | 12.5 | ≤49.5 | 9 | 4 | 66 | 9.8 | 54x50x31 |
| 111040 | 111540 | 15 | 18.75 | ≤45.6 | 10 | 6 | 95 | 14.2 | 55x60x40 |
| 111045 | 111542 | 20 | 25 | ≤44.7 | 10 | 8 | 155 | 23.9 | 60x70x50 |

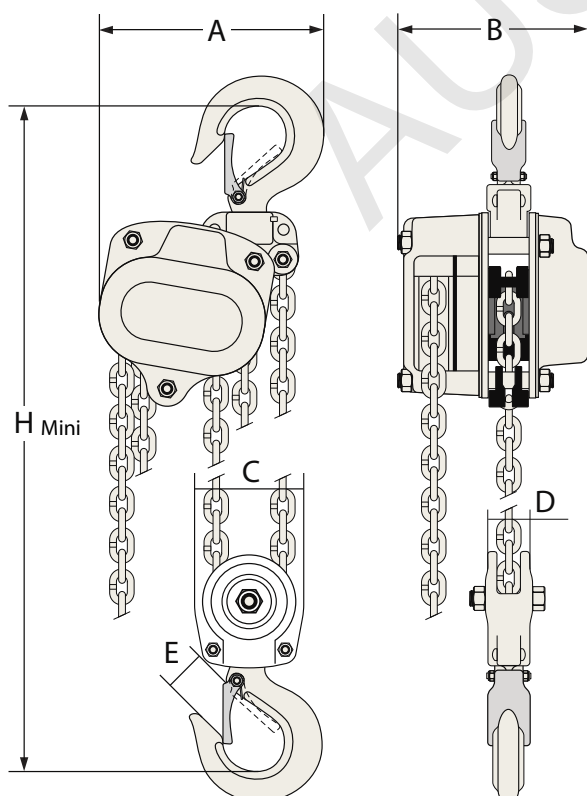
* Other chain length available.(111541 15Tx10M, 111544 20Tx9M.)

W3 Series

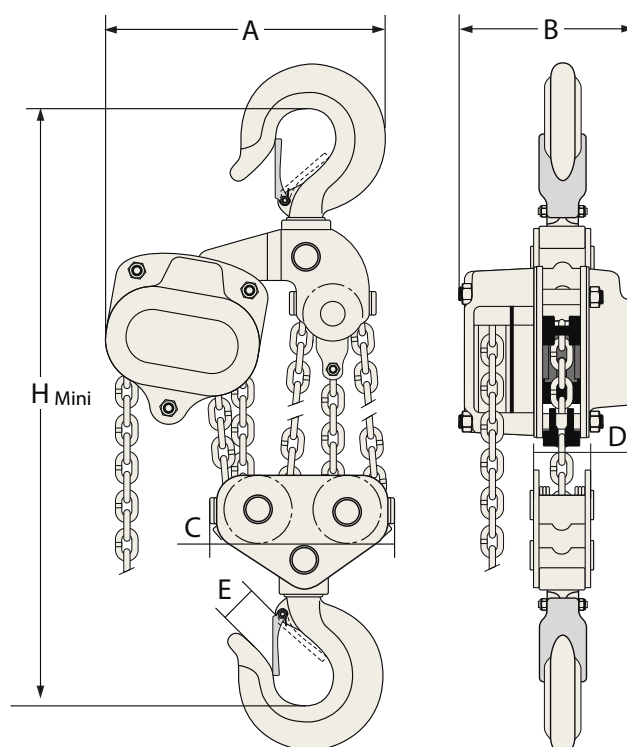
Chain Block (W3 Series)



WLL: 0.5T, 1T, 1.5T, 2T

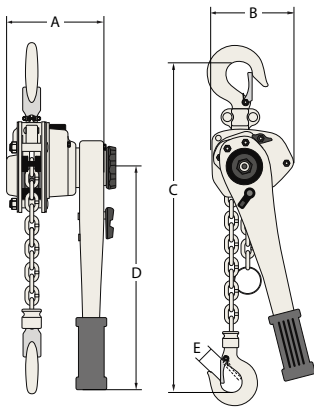


WLL: 3T, 5T



WLL: 10T, 15T, 20T

Lever Block (L3 Series)



Austlift L-3 series Lever Blocks are used for general hoisting in the mining, construction, industrial and domestic situations. Commonly used for short lifts and pulling applications.

- Rated capacities available 250kg to 9 tonnes.
- Standard height of lift 1.5 or 3 metre except for 250kg which has 1 metre lift, Other lift height available upon request.
- Robust, durable, portable and compact in construction.
- All Lever Blocks come with ball bearing Swivel Hook.
- Test Certificate and instruction manual supplied.
- Conforms to AS1418.2 standards.
- Spare parts available refer to page 64.

| WLL | 0.25T | 0.5T | 0.75T | 1 T | 1.5T | 3 T | 6 T | 9T |
|--------------------------------------|--------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| CODE | 121002 | 121005 /121305 | 121010 /121310 | 121015 /121315 | 121020 /121320 | 121025 /121325 | 121030 /121330 | 121035 /121335 |
| Lift Length (m) | 1 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 | 1.5 / 3 |
| Test Load (T) | 0.38 | 0.75 | 1.12 | 1.5 | 2.25 | 4.5 | 9 | 13.5 |
| Effects required At capacity, (N) | 217 | 303 | 140 | 185 | 234 | 363 | 370 | 375 |
| Lifting Chain Size (mm) | 4 | 5 | 6.3 | 6.3 | 7.1 | 9 | 9x2 | 9x3 |
| Min Hook to Hook: C (mm) | 205 | 260 | 295 | 295 | 335 | 450 | 542 | 645 |
| Head Room: B (mm) | 75 | 82 | 128 | 128 | 148 | 181 | 232 | 366 |
| Head RoomL: A (mm) | 92 | 110 | 152 | 152 | 175 | 195 | 195 | 195 |
| Handle size: D (mm) | 153 | 251 | 256 | 256 | 368 | 368 | 368 | 368 |
| Net weight (kg) | 1.85 | 3.5 | 7.0 | 7.2 | 11 | 20 | 28 | 43 |

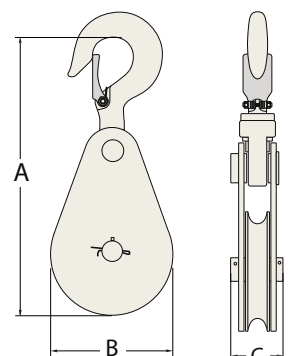
Please check operation manual for more details. Longer Chain Lengths are available upon request.

Light Duty Snatch Block

Austlift Manually operated Sheave Blocks are used for general hoisting use such as Shipping, Mining ,General Engineering, Agriculture and domestic applications.

- Manufactured for ease of operation light weight, durable and compact in design.
- Swivel Hook type, single Sheave with rated capacities from 250kg to 1.5 tonne.
- Available in Fibre Rope and Wire Rope sheave blocks with 75mm to 150mm sheave diameters also fitted with bronze bush.
- Conforms to AS 2089, Test Certificate supplied.

Hook Type, Single Sheave. Hand Operated

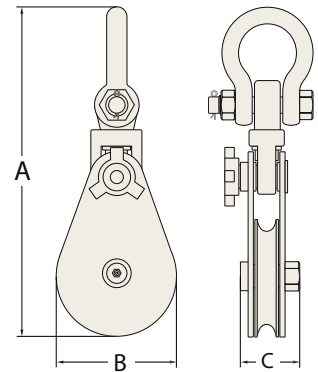


| CODE | WLL | SHEAVE DIA | FIBRE ROPE | Wire Rope | DIMENSIONS | | |
|--------------------|--------|---------------|---------------|--------------|------------|---------|---------|
| | | mm | mm | mm | A mm | B mm | C mm |
| 139075F 139075W | 250kg | 75 | 12 | 6 | 222.4 | 80 | 40 |
| 139100F 139100W | 500kg | 100 | 16 | 8 | 300.5 | 108 | 48.5 |
| 139125F 139125W | 1000kg | 125 | 20 | 10 | 346 | 140 | 53.5 |
| 139150F 139150W | 1000kg | 150 | 24 | 12 | 392 | 168 | 60 |

Heavy Duty Snatch Block**Swivel Shackle & Hook Type,
Single Sheave**

Austlift Manually operated Snatch Blocks are popular in the Mining, Construction, Off Shore Rigging and heavy duty lifting applications.

- Made from hi-tensile steel body and cast steel Sheave.
- Grease nipples fitted with roller and brass bush bearings.
- Blocks come with swivel Bow Shackle.
- Capacities available from 2 tonne to 50 tonne.
- Drop forged, heat treated swivel shackle.
- MBS is 5 times of WLL.
- Conforms to AS2089. Test Certificate supplied.



Swivel Shackle
Snatch Block

| SHACKLE HEAD | | | | | | | |
|--------------|-----|---------------------|-----------------------|----------------|------|-----|-----|
| CODE | WLL | SHEAVER DIAMETRE | WIRE ROPE DIAMETRE | UNIT WEIGHT | A | B | C |
| | T | mm | mm | kg | mm | mm | mm |
| 140102 | 2 | 75 | 8-9 | 4 | 286 | 82 | 70 |
| 140103 | 4 | 115 | 10-13 | 6.1 | 360 | 120 | 70 |
| 140104 | 4 | 152 | 10-13 | 13.8 | 400 | 160 | 70 |
| 140106 | 6 | 152 | 13-16 | 15 | 480 | 180 | 80 |
| 140108 | 8 | 203 | 16-18 | 16 | 530 | 210 | 93 |
| 140110 | 10 | 254 | 18-20 | 37.5 | 680 | 260 | 115 |
| 140112 | 12 | 305 | 20-22 | 56 | 767 | 310 | 133 |
| 140115 | 15 | 305 | 24-26 | 65 | 884 | 310 | 133 |
| 140122 | 22 | 355 | 28-32 | 90 | 952 | 365 | 140 |
| 140130 | 30 | 510 | 32-36 | 210 | 1100 | 510 | 200 |
| 140150 | 50 | 610 | 44-50 | 418 | 1140 | 630 | 210 |

Heavy Duty Snatch Block

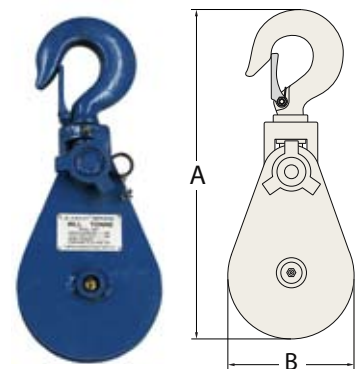
Steel Wire Rope References:

6x25Fi+IWRC or 6x36S+IWRC 1770MPa Wire Rope is recommended.

Diameter of the rope can be reduced by using higher tensile rope.

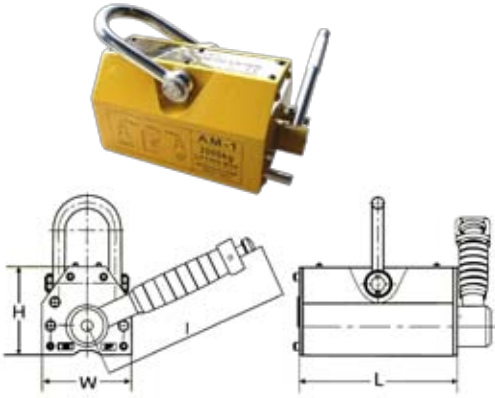
Check Wire Rope MBS and load rating of equipment and load rating of equipment before operation.

| HOOK HEAD | | | | | | | |
|-----------|-----|---------------------|-----------------------|----------------|-----|-----|----|
| CODE | WLL | SHEAVER DIAMETRE | Wire Rope DIAMETRE | UNIT WEIGHT | A | B | C |
| | T | mm | mm | kg | mm | mm | mm |
| 140504 | 4 | 152 | 10-13 | 14 | 430 | 160 | 70 |
| 140508 | 8 | 203 | 16-18 | 16.5 | 550 | 210 | 93 |



Hook Type Snatch Block

Permanent Magnetic Lifter



Austlift AM-1 Permanent Magnetic Lifter have a wide variety of uses for lifting and shifting steel products, flat plate and round bar, steel parts and finished steel goods etc. This versatile lifting device has the advantage of moving material without damaging the steel surface.

- Capacities available from 100kg to 6,000kg
- No power source required with less than 1% residual magnetism.
- Simple to operate with safety button design.
- Magnet breakaway force of 3.5 times the Work Load Limit..
- Complies to AS4991 with test certificate supplied.

* Non-stocked items, please check with us.

| Product Code | Rated Lifting Strength (Kgf) | Vertical / Cylindrical Lifting Strength (Kgf) | Max. Pull-off Strength (Kgf) | DIMENSIONS (mm) | | | | Operation Temperature (°C) | Net Weight (Kg) |
|--------------|------------------------------|---|------------------------------|-----------------|-----|-----|-----|----------------------------|-----------------|
| | | | | L | W | H | R | | |
| 144101 | 100 | 30 | 300 | 92 | 64 | 70 | 145 | <80 | 3 |
| 144102* | 200 | 60 | 600 | 114 | 72 | 86 | 145 | <80 | 5 |
| 144103 | 300 | 100 | 900 | 165 | 88 | 96 | 176 | <80 | 10 |
| 144104* | 400 | 130 | 1000 | 165 | 88 | 96 | 176 | <80 | 10 |
| 144106 | 600 | 200 | 1800 | 216 | 118 | 118 | 219 | <80 | 20 |
| 144110 | 1000 | 300 | 3000 | 264 | 148 | 138 | 266 | <80 | 37 |
| 144150* | 1500 | 500 | 3750 | 264 | 168 | 168 | 285 | <80 | 50 |
| 144200 | 2000 | 600 | 5000 | 352 | 168 | 168 | 380 | <80 | 70 |
| 144300* | 3000 | 1000 | 7500 | 424 | 188 | 183 | 478 | <80 | 100 |
| 144400* | 4000 | 1300 | 10000 | 508 | 226 | 215 | 612 | <80 | 160 |
| 144500* | 5000 | 1500 | 12500 | 516 | 290 | 265 | 627 | <80 | 290 |
| 144600* | 6000 | 2000 | 15000 | 582 | 290 | 265 | 627 | <80 | 320 |

Wire Rope Winch

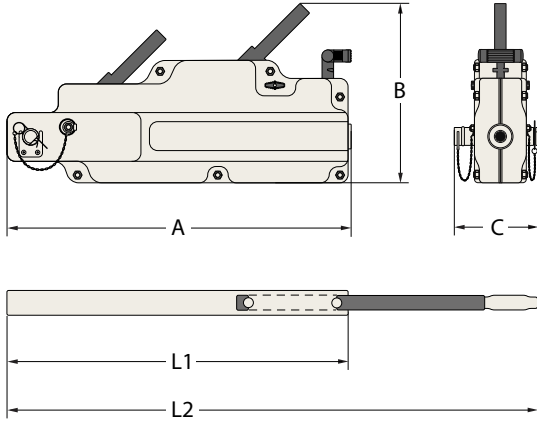
| WLL | Aluminum Case | Steel Case |
|--------|---------------|------------|
| 800kg | 135008 | 135108 |
| 1600kg | 135016 | 135116 |
| 3200kg | 135032 | 135132 |

Austlift Wire Rope Hoist are used for lifting and hauling loads in general hoisting operation such as mining, construction, industrial lifting and domestic applications. Wire Rope Hoist is also ideally used for 4WD off road recovery.

- Compact lightweight and robust in construction.
- Recommended for portable applications.
- Able to be operated at any angle for ease to handling.
- Hoists come with Wire Rope longer lengths available.
- Hoists are individually proof tested and serial numbered.
- All hoists have spare shear pins in handle.
- Conforms to AS1418.2 with instruction manual.
- Parts available upon request.



| WLL | 800KG | 1600KG | 3200KG |
|------------------|------------|-------------|--------|
| Pulling Capacity | 1250kg | 2500kg | 5000kg |
| Wire Rope | 8.3mm | 11.4mm | 16.4mm |
| Construction | 6x19S+IWRC | 6x25Fi+IWRC | |
| Advance/pull | 52mm | 55mm | 28mm |
| Handle force | 343N | 438N | 438N |



SPEAR PARTS



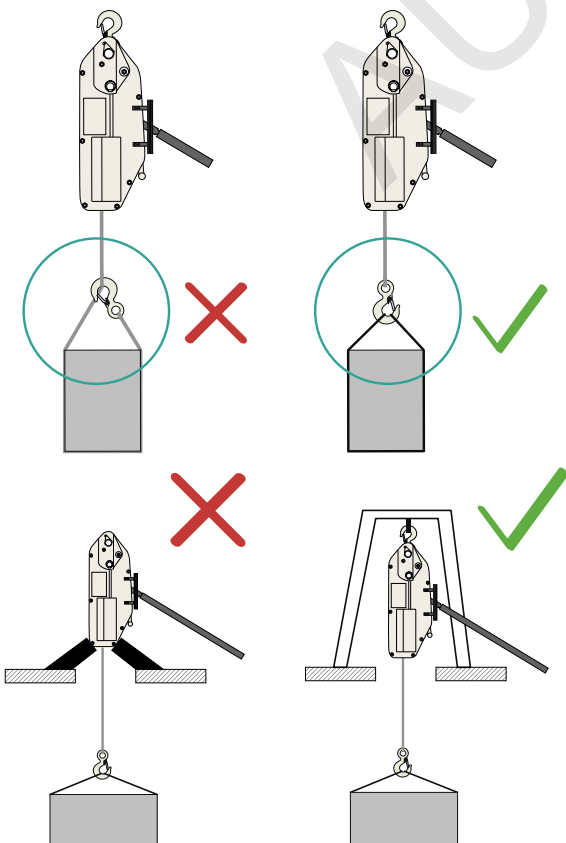
DIMENSIONS

| Type | FOR ALUMINIUM CASE | | | FOR STEEL CASE | | |
|-----------------|--------------------|--------|--------|----------------|--------|--------|
| | 800kg | 1600kg | 3200kg | 800kg | 1600kg | 3200kg |
| A, mm | 426 | 545 | 660 | 440 | 550 | 690 |
| B, mm | 236 | 280 | 325 | 265 | 300 | 350 |
| C, mm | 64 | 97 | 116 | 63 | 77 | 91 |
| N.W. Winch only | 7.5kg | 14.5kg | 23.5kg | 9kg | 16.5kg | 31KG |
| N.W. Wire Rope | 8kg | 12kg | 24kg | 8kg | 12kg | 24kg |

Wire Rope Winch Instructions

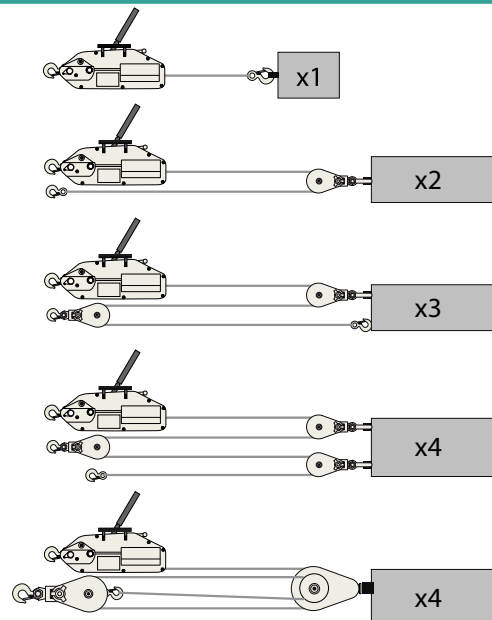
Incorrect Method

Correct Method



Increase the Capacity of AUSTLIFT Winches:

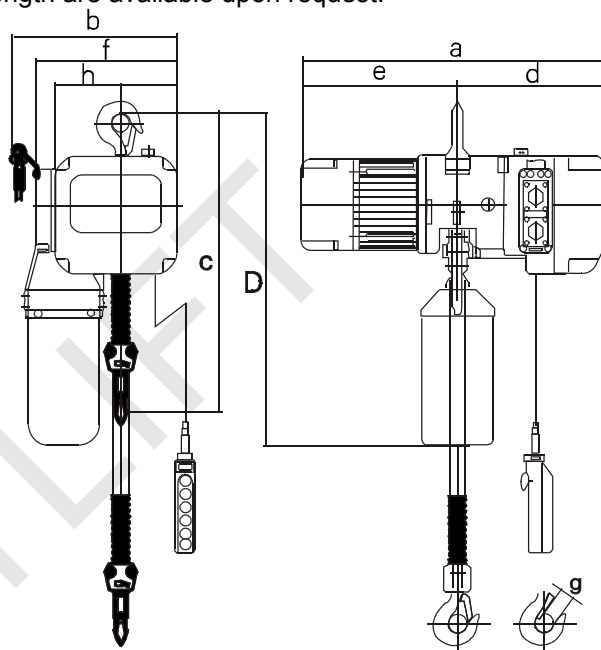
By using multiple Sheave Blocks, the lifting and pulling capacity can be greatly increased. Please check the capacity of the block, the fittings & anchor points for suitability of the load.



Electric Chain Hoist

Austlift AEC-1 415v 3 Phase dual lifting speed Electric Chain Hoist is designed for optimum hoisting performance with features of durability, ease of operation and maintenance.

- Aluminium body.
- Capacities from 250kg to 10,000kg available.
- Auto power cut of to prevent damage from overloading.
- Brakes hold system in the event of power failure.
- Upper and lower electrical limit switches fitted.
- Fan cooled motor for thermal protection.
- Reverse phase protection relay fitted on all models.
- IP54 rated protection with 24 volt Pendant control.
- Quality Chain supplied by FEC Japan.
- All hoists are CE certified and comes with instruction manual and Test Certificate.
- Load chain length of 4M and 6M as standard. Longer length are available upon request.



* Electrical Trolley available from 0.25T to 10T.

| Code | | WLL(T) | Classification | Duty Cycle | Power (Kw) | Lifting Speed (m/min) | Load Chain | N.W (Kg) |
|--------|--------|--------|----------------|------------|------------|-----------------------|------------|----------|
| 4M | 6M | | | | | | | |
| 113024 | 114026 | 0.25 | M6 | 80% | 0.85/0.21 | 14/3.5 | 5x15 | 36/40 |
| 113054 | 114056 | 0.5 | M6 | 60% | 0.9/0.3 | 7.6/2.5 | 6.3x19 | 38/42 |
| 113104 | 114106 | 1 | M6 | 50% | 1.1/0.37 | 5/1.7 | 8x24 | 40/46 |
| 113204 | 114206 | 2 | M6 | 50% | 3/1 | 6/2 | 11.2x34 | 50/56 |
| 113304 | 114306 | 3 | M4 | 40% | 3/1 | 6/2 | 11.2x34 | 98/108 |
| 113504 | 114506 | 5 | M4 | 40% | 3/1 | 3/1 | 11.2x3.4 | 105/115 |
| 113904 | 114906 | 10 | M4 | 40% | 2x3/1 | 3/1 | 11.2x3.4 | 280/300 |

| Code | | Dimension(mm) | | | | | | | | |
|--------|--------|---------------|------|----------|-----|-----|---------|-----|----|-----|
| 4M | 6M | C | D | a | b | d | e | f | g | h |
| 113024 | 114026 | 505 | 620 | 570/592 | 304 | 273 | 297/337 | 255 | 24 | 120 |
| 113054 | 114056 | 520 | 620 | 592/610 | 304 | 273 | 319/337 | 255 | 31 | 120 |
| 113104 | 114106 | 550 | 640 | 592//630 | 304 | 273 | 319/357 | 255 | 38 | 120 |
| 113204 | 114206 | 605 | 770 | 694/740 | 408 | 336 | 358/404 | 342 | 45 | 170 |
| 113304 | 114306 | 820 | 770 | 694/740 | 408 | 336 | 358/404 | 342 | 45 | 170 |
| 113504 | 114506 | 880 | 860 | 694/740 | 408 | 336 | 358/404 | 342 | 61 | 170 |
| 113904 | 114906 | 1320 | 1100 | 694/740 | 408 | 336 | 358/404 | 342 | 71 | 170 |

Austlift Electric Rope Hoist is lightweight and compact in design. For use on construction sites and suitable for a variety of applications such as Factories, Warehouses, production lines etc.

- Dual capacities from 500kg to 1000kg
- Fitted with overwind limit switch with dynamic braking system.
- Power supply of 240 volt/single phase with plug fitted ready for work.
- Pendant control has IP54 protection classification.
- Hoist can be fitted to motorized trolley or rotary mounting jib as option.
- All hoists are CE certified and comes with instruction manual and Test Certificate.



More Wire Rope Hoist Available
Refer to AUSTLIFT HOIST CATALOGUE

| Model | Configuration | Volt (V) | Input Power (w) | WLL (kg) | Lifting Speed (m/min) | Lifting Height(m) | Package Size(cm) | G.W./N.W (kg) |
|--------|---------------|----------|-----------------|----------|-----------------------|-------------------|------------------|---------------|
| 144016 | Single Hook | 240 | 1700 | 500 | 10 | 12 | 60x30x37 | 36/34 |
| | Double Hook | | | 1000 | 5 | 6 | | |

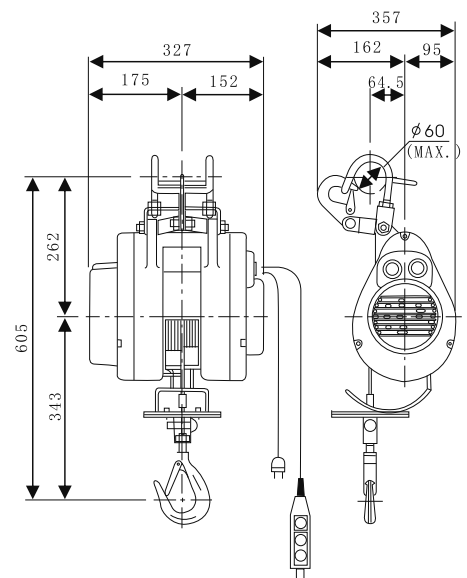
Mini Wire Rope Hoist

Austlift Mini electrical wire rope hoist IP54 with safety devices are easy control of lifting for a wide range of application for warehouse, storage areas, factories, house areas, construction sites and plumbings.

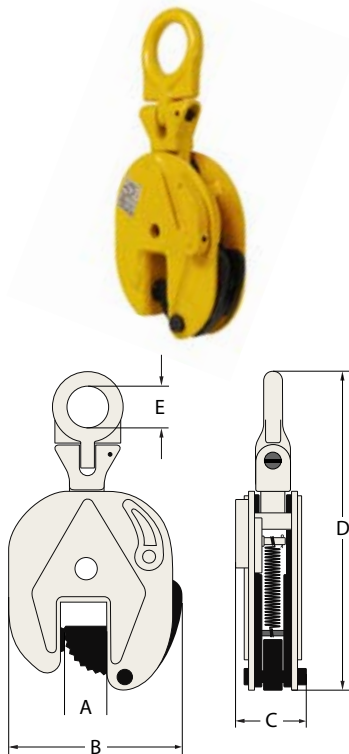
- Light weight & Compact design.
- Automatic stop when rope touches limit arm.
- Dynamic brake designs for both static and dynamic loading.



| MODEL | 144051 | 144053 |
|----------------------|-------------------|--------|
| Rated Load (Kg) | 150 | 250 |
| Rated Volt(V) | AC100-240 50/60Hz | |
| Input Power(W) | 780 | 1200 |
| Wire rope Dia(mm) | Φ3.8 | Φ4.2 |
| Lifting Speed(m/min) | 15 | 12 |
| Lifting Height(m) | 20 | |
| G.W./N.W.(Kg) | 28/27 | 30/29 |
| Packing Size(mm) | 425x365x370 | |



Universal Plate Clamp



Austlift UPC range of Clamps are equipped with a Universal Hinged Lifting Eye, making it possible to lift loads from any given direction.

- Capacities available from 0.75 tonne to 5 tonne.
- Can be used on material hardness up to 37RC.
- Individually serial numbered comes with Test Certificate and user manual.
- Spare Parts are available.
- Complies to AS4991.

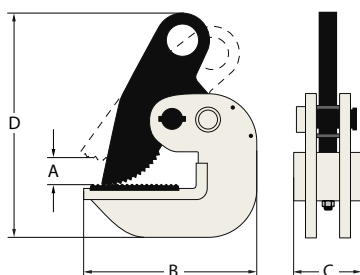
| CODE | WLL | JAW OPENING | Wt. | EYE | HEIGHT | WIDTH |
|--------|------|----------------|-----|-----|--------|-------|
| | T | mm | kg | dia | mm | mm |
| 142075 | 0.75 | 0-15 | 2 | Φ30 | 218 | 105 |
| 142150 | 1.5 | 0-20 | 7.4 | Φ60 | 370 | 170 |
| 142200 | 2 | 0-25 | 7.8 | Φ60 | 375 | 175 |
| 142300 | 3 | 0-30 | 16 | Φ60 | 418 | 195 |
| 142500 | 5 | 0-50 | 23 | Φ80 | 480 | 230 |

Horizontal Plate Clamp



Austlift HPC Horizontal Lifting Clamps are used in pairs to lift and transport steel material on a flat plane configuration.

- Capacities available from 0.75 tonne to 5 tonne per pair.
- Can be used on material hardness up to 37RC
- Individually serial numbered comes with Test Certificate and user manual.
- Spare Parts are available
- Complies to AS4991.

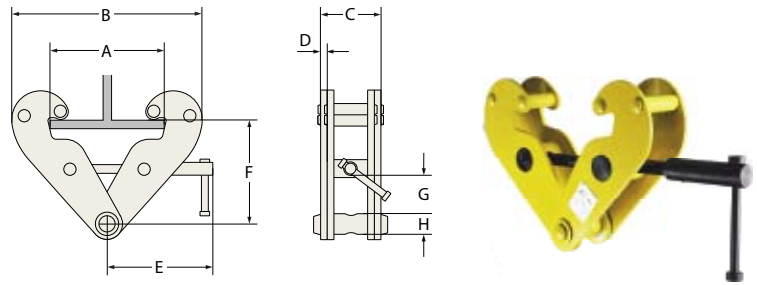


Fitted with locking button
(a safety feature)

| CODE | WLL | JAW OPENING | Wt. | EYE | HEIGHT | WIDTH |
|--------|------|----------------|-----|-----|--------|-------|
| | T | mm | kg | dia | mm | mm |
| 143075 | 0.75 | 0-25 | 3.5 | Φ25 | 175 | 125 |
| 143100 | 1 | 0-30 | 4 | Φ30 | 205 | 161 |
| 143150 | 1.5 | 0-30 | 4.3 | Φ30 | 205 | 161 |
| 143200 | 2 | 0-35 | 7.2 | Φ30 | 245 | 175 |
| 143300 | 3 | 0-40 | 8 | Φ30 | 250 | 180 |
| 143500 | 5 | 0-50 | 9 | Φ30 | 260 | 185 |

Austlift CG-01 Girder clamps are designed to lift steel girders and narrow steel plate or clamped on girder to utilize as a lifting point.

- Capacities available from 1 tonne to 10 tonne.
- Can use on material hardness up to 37RC.
- Individually serial numbered comes with Test Certificate and user manual.
- Complies to AS4991 & AS1418.2.

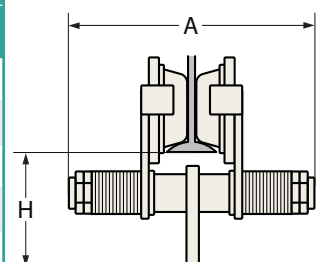
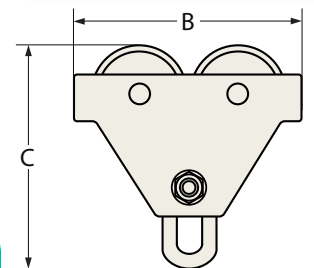


| CODE | WLL | ADJ BEAM SIZE | Wt. kg | DIMENSIONS | | | | | | | | | |
|--------|-----|------------------|-----------|------------|-----------|-----------|-----|----|-----|-----------|-----------|----|----|
| | | | | A | B | C | D | E | F | G | H | | |
| | T | mm | | max mm | min mm | max mm | mm | mm | mm | min mm | max mm | mm | mm |
| 132005 | 1 | 75-220 | 4.5 | 260 | 180 | 360 | 64 | 5 | 215 | 102 | 155 | 25 | 22 |
| 132010 | 2 | 75-220 | 5.2 | 260 | 180 | 360 | 74 | 6 | 215 | 102 | 155 | 25 | 22 |
| 132013 | 3 | 80-320 | 10 | 354 | 490 | 490 | 103 | 8 | 260 | 140 | 225 | 45 | 24 |
| 132015 | 5 | 80-320 | 11.1 | 354 | 490 | 490 | 110 | 10 | 260 | 140 | 225 | 45 | 28 |
| 132020 | 10 | 90-320 | 20 | 365 | 505 | 505 | 120 | 12 | 280 | 170 | 235 | 50 | 40 |

Push Trolley

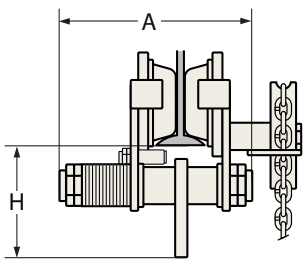
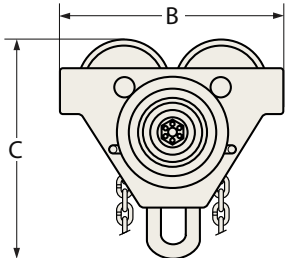
Austlift Plain Trolley is moved by pushing the load lifted by the trolley, running along a flange of a monorail. A main shaft with spacers you can adjust the width of UB/UC beam. They are widely used in Factories, Mines, Wharves, Docks, Warehouses and Engineering Workshops for installation of equipment in places where no power supply is available.

- High quality sealed ball bearings.
- Identification tag with serial number
- Proof tested to 2 x WLL with certificate.
- Fitted with anti-drop plates for safety
- Low headroom by design.
- Complies to AS1418.2.



| CODE | WLL | BEAM SIZE | MIN. RADIUS OF CURVE | Wt. kg | A | B | C | H |
|--------|-----|-----------|-------------------------|-----------|-----|-----|-----|-----|
| | | | | | mm | | | |
| | ton | mm | mm | | | | | |
| 131005 | 0.5 | 64-140 | 0.8 | 5.5 | 228 | 196 | 190 | 108 |
| 131010 | 1 | 64-203 | 0.9 | 8.9 | 300 | 236 | 211 | 115 |
| 131015 | 2 | 76-210 | 1.0 | 10.7 | 318 | 273 | 236 | 130 |
| 131020 | 3 | 100-305 | 1.2 | 24.3 | 420 | 320 | 295 | 164 |
| 131025 | 5 | 100-305 | 1.3 | 36.3 | 444 | 366 | 334 | 177 |
| 131030 | 10 | 125-305 | 2.0 | 83.3 | 468 | 389 | 460 | 237 |

Geared Trolley



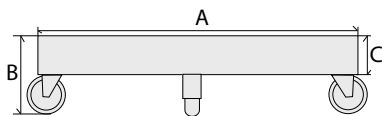
The Austlift Geared Trolley is hand-operated by pulling the hand-chain, running on the bottom flange of monorail. With a main shaft with spacers you can adjust the width of beam. They are widely used in Factories, Mines, Wharves, Docks, Warehouses and Engineering Workshops for installation of equipment and conveyance of goods. They are especially suitable for maintenance and repairing of equipment in places where no power supply is available.

- Standard hand chain is 3 metres however longer chain lengths are available.
- High quality sealed ball bearings.
- Identification tag with serial number
- Proof tested to 2 x WLL with certificate.
- Fitted with anti-drop plates for safety
- Low headroom by design.
- Complies to AS1418.2.

| CODE | WLL | BEAM SIZE | PULLING FORCE* | Wt. | DIMENSIONS | | | |
|--------|-------|-----------|----------------|-----|------------|-----|-----|-----|
| | ton | mm | mm | kg | A | B | C | H |
| 131505 | 1 | 64-203 | 50N | 14 | 287 | 236 | 211 | 115 |
| 131510 | 1.5-2 | 76-210 | 90N | 16 | 305 | 273 | 236 | 130 |
| 131515 | 3 | 100-305 | 95N | 24 | 420 | 320 | 295 | 164 |
| 131520 | 5 | 100-305 | 140N | 36 | 426 | 366 | 334 | 177 |
| 131530 | 10 | 125-305 | 240N | 90 | 450 | 389 | 460 | 237 |

*Pulling force is measured when the trolley is in full load.

Drum Trolley



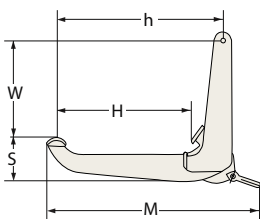
Austlift Drum Trolley are specially designed to carry 210 litre (55 gallon) drums. Easy to use for fast repositioning of drums.

- Work load limit 500kg.
- Manufactured from hi-tensile steel.



| CODE | WLL | Wt. | DIMENSIONS | | |
|--------|-----|-----|------------|------|------|
| | KG | kg | A mm | B mm | C mm |
| 144005 | 500 | 5 | 600 | 170 | 50 |

Drum Lifter

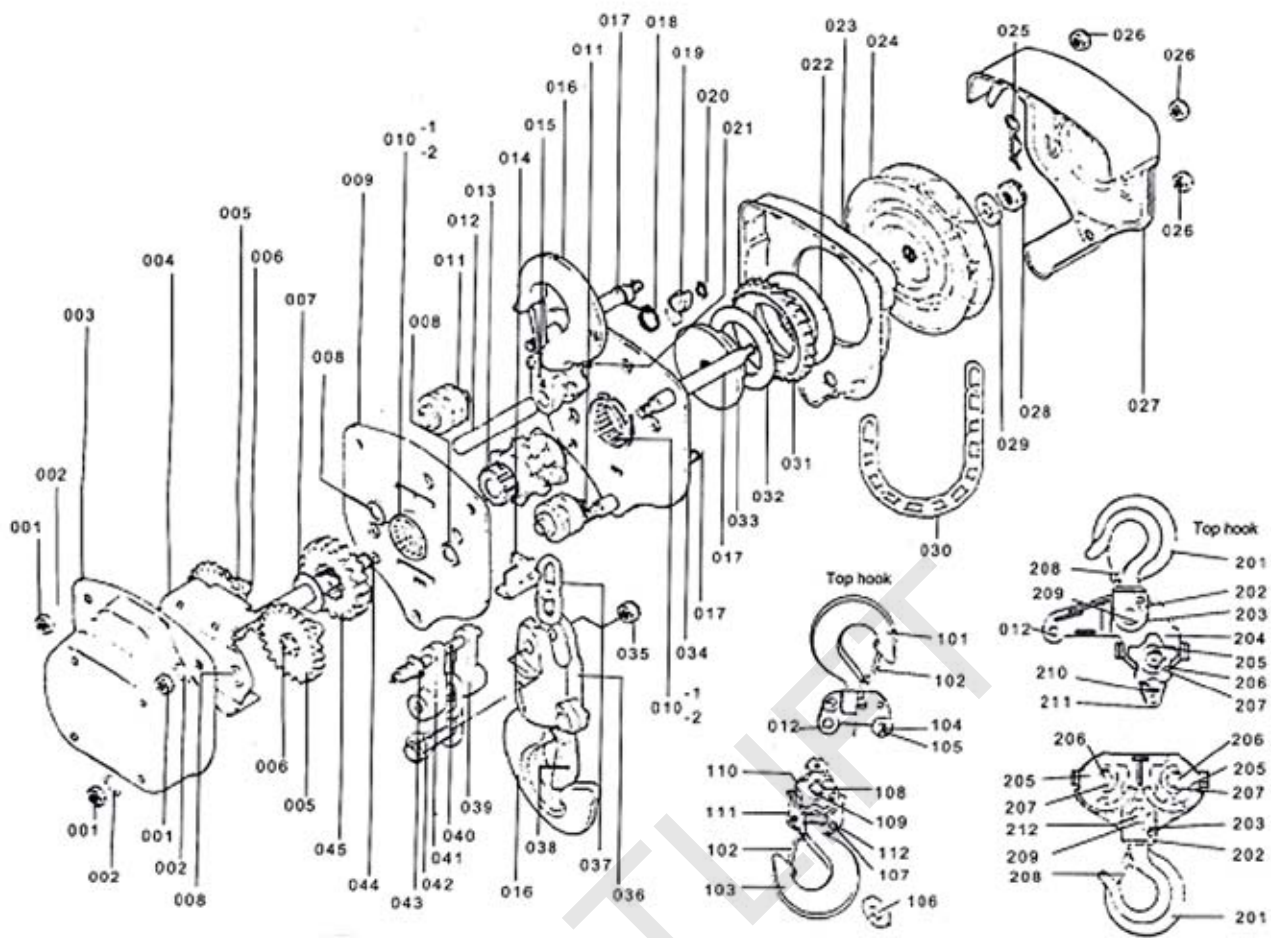


Austlift Drum Lifters are specially designed to lift 210 litre (55 gallon) drums vertically with or without lids. Easy to use for fast lifting and repositioning of drums.

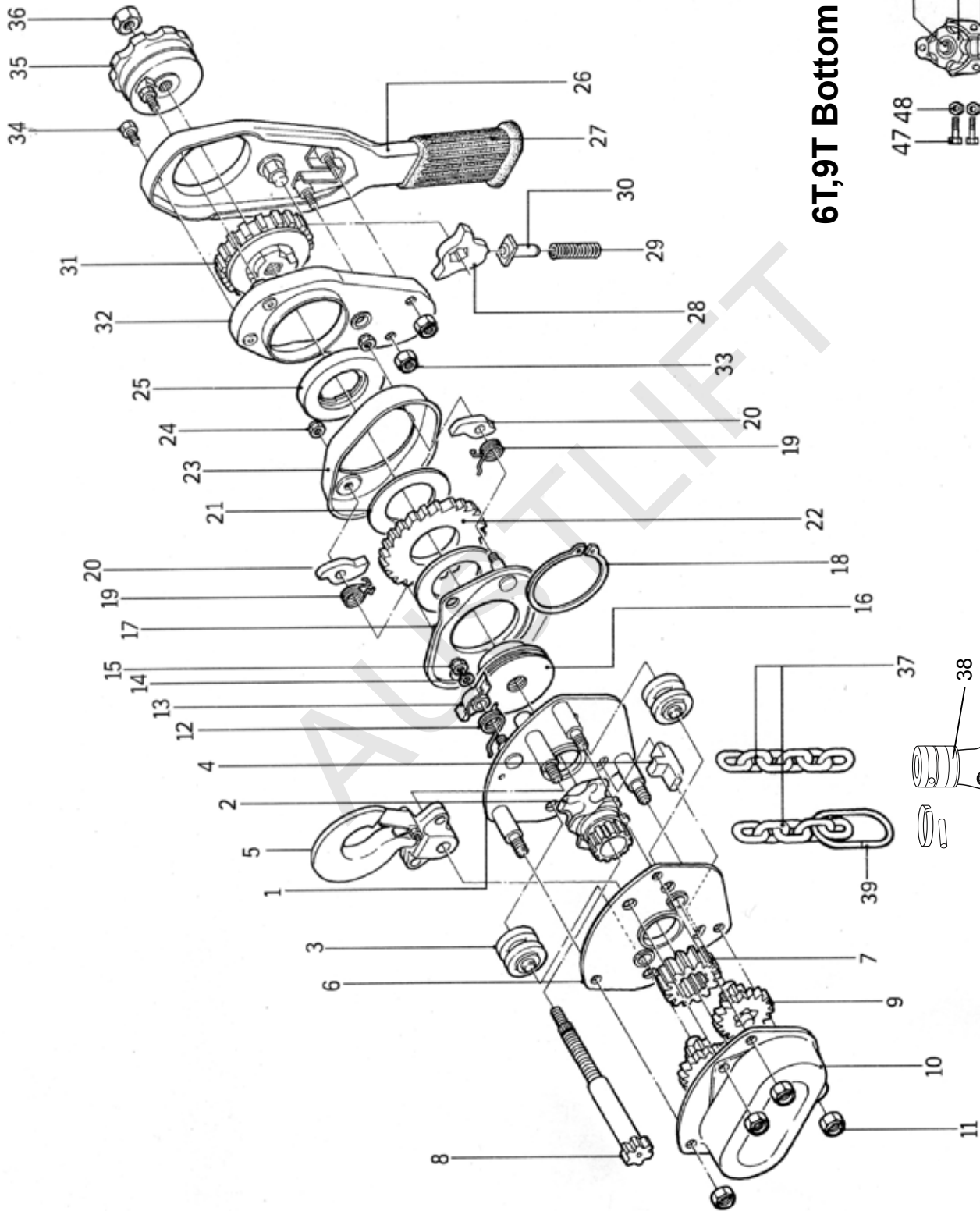
- Work load limit 600kg.
- Manufactured from hi-tensile steel with a safety factor of 5 to 1.
- Conforms to AS 4991, Test Certificates available.

| CODE | OPENING | WLL | Wt. | DIMENSIONS | | | | |
|---------|---------|-------|-----|------------|------|------|------|------|
| | mm | tonne | kg | H mm | h mm | M mm | S mm | W mm |
| 144000 | 0-30 | 0.6 | 6.5 | 350 | 420 | 570 | 105 | 260 |
| 144001* | 0-30 | 0.6 | 7.8 | 350 | 420 | 570 | 105 | 260 |

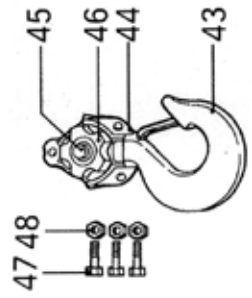
* Assembled with G80-10mm Master Link and 8mm Chain Connector for forklift.



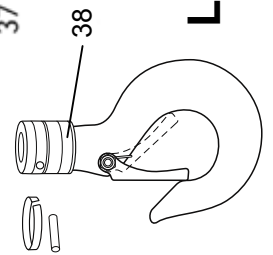
| KEY | PART NAME | QUANTITY | KEY | PART NAME | QUANTITY | KEY | PART NAME | QUANTITY |
|-------|------------------|----------|-----|-------------------|----------|-----|-----------------------|----------|
| 001 | Nut | 3 | 025 | Cotter Pin | 1 | 104 | Top Suspension Pin | 1 |
| 002 | Spring washer | 3 | 026 | Nut | 3 | 105 | Screw Washer | 1 |
| 003 | Gear Cover | 1 | 027 | Wheel Cover | 1 | 106 | Hand Wheel Washer(3T) | 2 |
| 004 | Support Plate | 1 | 028 | Pinion Nut | 1 | 107 | Screw(5T) | 3 |
| 005 | 2st Gear | 2 | 029 | Hang Wheel Washer | 1 | 107 | Screw Washer(3T) | 2 |
| 006 | 3rd Gear | 2 | 030 | Hand Chain | 1 | 107 | Screw Washer(3T) | 2 |
| 007 | Pinion Washer | 1 | 031 | Ratchet Gear | 1 | 108 | Shaft | 1 |
| 008 | Gear Bushing | 4 | 032 | Brake Disk B | 1 | 109 | Needle(3T, 5T) | 24,29 |
| 009 | Side Plate(2) | 1 | 033 | Break Seat | 1 | 110 | Idle Sheave | 1 |
| 010-1 | Bearing Race | 2 | 034 | Side Plate(1) | 1 | 111 | Bottom Hook Frame | 2 |
| 011 | Load Chain Guide | 2 | 035 | Screw Washer | 1 | 112 | Screw(5T) | 3 |
| 021 | Hook Pin | 1 | 036 | Bottom Hook Hold | 1 | 112 | Screw(3T) | 2 |
| 013 | Load Sheave | 1 | 037 | Load Chain | 1 | 201 | Hook | 2 |
| 014 | Chain Stripper | 1 | 038 | Safety Latch | 1 | 202 | Steel Balls | 26 |
| 015 | Top Hook Hold | 1 | 039 | End Anchor A | 1 | 203 | Hook Hold Screw | 2 |
| 016 | Hook | 2 | 040 | End Spring | 1 | 204 | Beam | 1 |
| 017 | Stay Bolt | 3 | 041 | End Anchor B | 1 | 205 | Sheave | 3 |
| 018 | Spring | 1 | 042 | Chain Pin | 1 | 206 | Needle | 75 |
| 019 | Pawl | 1 | 043 | End Spring | 1 | 207 | Shaft | 3 |
| 020 | Snap Ring | 1 | 044 | Pinion Shaft | 1 | 208 | Safety Latch | 2 |



6T,9T Bottom Hooks



L3 Lever Block Parts Diagram

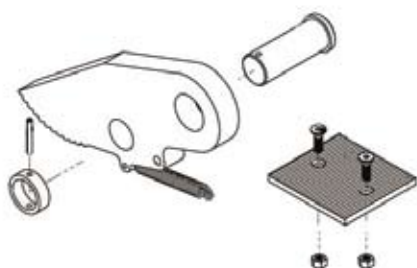


| KEY | PART NAME | QUANTITY | KEY | PART NAME | QUANTITY |
|----------------------------|---------------------|----------|-----|-------------------|----------|
| 1 | Side Plate1 | 1 | 20 | Brake pawl | 2 |
| 2 | Load sheave | 1 | 21 | Brake disc | 2 |
| 3 | Load chain guide | 2 | 22 | Ratchet gear | 1 |
| 4 | Chain stripper | 1 | 23 | Brake cover | 1 |
| 5 | Top hook set | 1 | 24 | U-nut for B.C. | 2 |
| 6 | Side plate 2 | 1 | 25 | Brake ring | 1 |
| 7 | 1st gear | 1 | 26 | Lever body | 1 |
| 8 | Pinion shaft | 1 | 27 | Grip | 1 |
| 9 | 2nd gear, 3rd gear | 2 | 28 | Change pawl | 1 |
| 10 | Gear cover set | 1 | 29 | Pushing up spring | 1 |
| 11 | Nut for gear cover | 4 | 30 | Pushing up pin | 1 |
| 12 | Retaining spring | 1 | 31 | Change gear | 1 |
| 13 | Retaining pawl | 1 | 32 | Lever cover | 1 |
| 14 | Washer for pawl | 1 | 33 | U-nut for L.C. | 2 |
| 15 | U-nut for pawl | 1 | 34 | Bolt for L.C. | 2 |
| 16 | Hub | 1 | 35 | Grip ring | 1 |
| 17 | Retaining plate set | 1 | 36 | Pinion nut | 1 |
| 18 | Snap link for hub | 1 | 37 | Loading chain | 1 |
| 19 | Brake spring | 2 | 38 | Bottom hook set | 1 |
| 6T, 9Ton Bottom Hook Parts | | | | | |
| 43 | Hook | 1 | 46 | Idle sheave | 1 |
| 44 | Frame | 2 | 47 | Bolt | 3 |

Plate Clamps Repair Kits

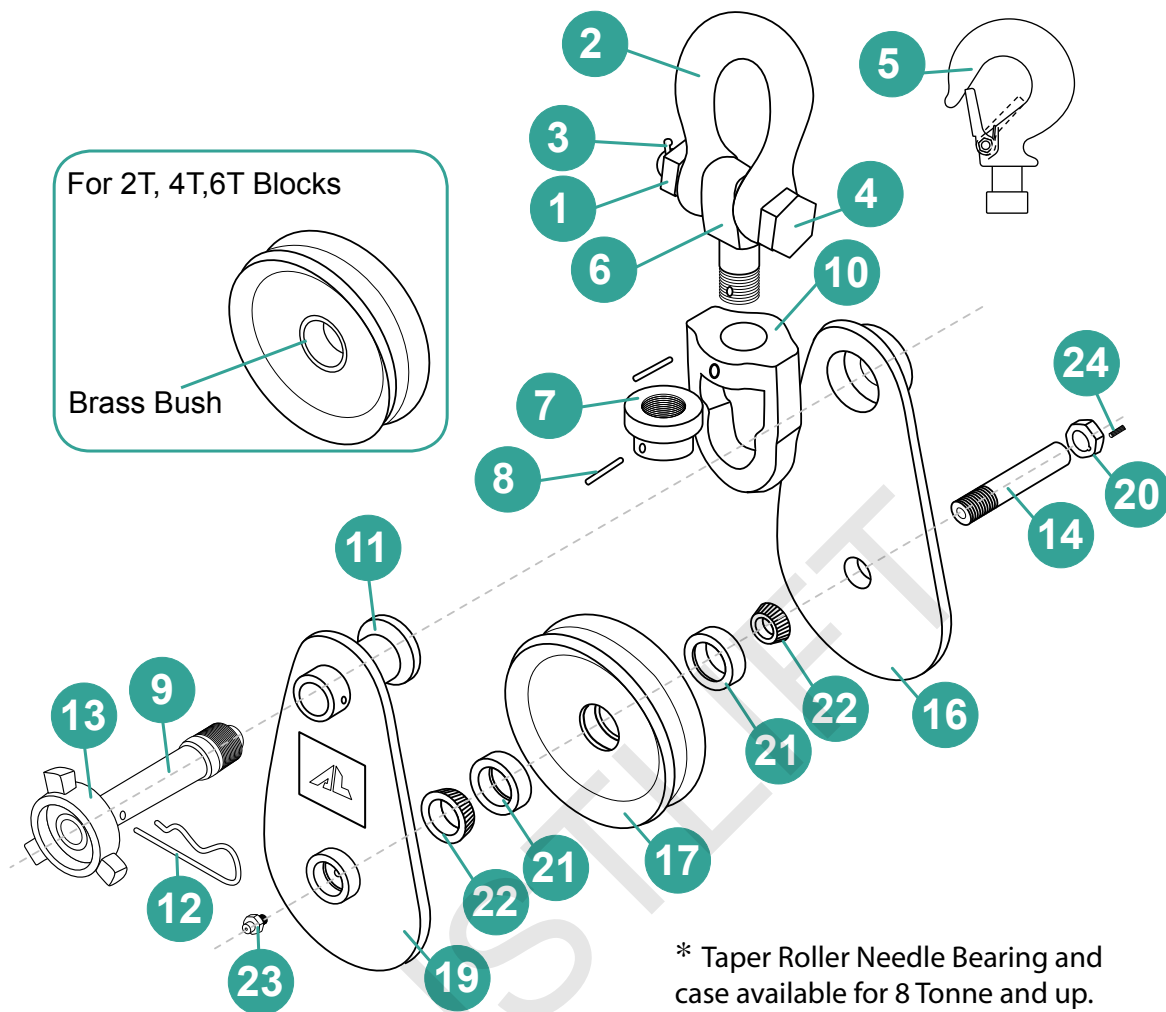
| WLL | Horizontal Clamp | Universal Clamp |
|-------|------------------|-----------------|
| 0.75T | 032075SP | 031075SP |
| 1T | 032100SP | - |
| 1.5T | 032150SP | 031150SP |
| 2T | 032200SP | 031200SP |
| 3T | 032300SP | 031300SP |
| 5T | 032500SP | 031500SP |

Horizontal Clamp Full Repair Kit



Universal Clamp Full Repair Kit



Snatch Block Sb01 Spare Parts


| KEY | PART NAME | QUANTITY | KEY | PART NAME | QUANTITY |
|-----|------------------|----------|-----|------------------------------|----------|
| 1 | Nut | 1 | 13 | Handle Sheave | 1 |
| 2 | Shackle | 1 | 14 | Middle Axle | 1 |
| 3 | Split Pin | 1 | 15 | Plate Nut | 1 |
| 4 | Shackle pin | 1 | 16 | Lift Side Plate | 1 |
| 5 | Hook | 1 | 17 | Sheave | 1 |
| 6 | Round Eye | 1 | 18 | Roller Bearing | 1 |
| 7 | Hook (eye) Nut | 1 | 19 | Right Side Plate | 1 |
| 8 | Spring Pin | 1 | 20 | Middle Axle Nut | 1 |
| 9 | Lift Pin | 1 | 21 | Outer Bearing Case* | 2 |
| 10 | Swing Eye | 1 | 22 | Taper Roller Needle Bearing* | 2 |
| 11 | Lift Pin Bushing | 1 | 23 | Lubrication sheave pin | 1 |
| 12 | Safety Pin | 1 | 24 | Grub Screw | 1 |

AUSTRALIAN LIFTING CENTRE PTY LTD

LOAD RESTRAINT & 4WD RECOVERY

AUSTLIFT



 **AUSTLIFT®**

1300 100 120
WWW.AUSTLIFT.COM.AU

Contents

| | |
|---|----|
| <i>Maxibinder</i> | 3 |
| <i>Auswinch</i> | 3 |
| <i>Standard Lever Style</i> | 4 |
| <i>Grab Hook</i> | 6 |
| <i>Claw Hook</i> | 6 |
| <i>Clevis Lug Links</i> | 6 |
| <i>Recovery Drag Chain Kit</i> | 7 |
| <i>Transport Chain Kit</i> | 7 |
| <i>Clevis Slip Hook</i> | 7 |
| <i>Cargo Bar</i> | 8 |
| <i>Shoring Bar</i> | 8 |
| <i>Transport Chain</i> | 8 |
| <i>Jack Bar</i> | 9 |
| <i>Winch Track</i> | 9 |
| <i>Winch Bars</i> | 9 |
| <i>Ratchet Tie Downs</i> | 10 |
| <i>Motorbike Tie Downs</i> | 10 |
| <i>'Ergo' Ratchet Tie Downs</i> | 11 |
| <i>Truck (Replacement) Winch Straps</i> | 11 |
| <i>Silver Rope</i> | 12 |
| <i>Using Ropes and Knots</i> | 12 |
| <i>Rubber Tarp Straps</i> | 13 |
| <i>Vehicle Ratchet Tie Down</i> | 13 |
| <i>Do Not Overtake Sign</i> | 13 |
| <i>Truck Winches</i> | 14 |
| <i>Ratchet Buckles</i> | 16 |
| <i>End Fittings</i> | 17 |
| <i>Maxibinder Spare Parts</i> | 18 |
| <i>Lashing User Guide</i> | 19 |
| <i>4WD Recovery</i> | 22 |



- International patent
No.: PCT/AU2006/000827
- Australian patent
No.2006301899
- US patent application
No.:11/992108(Patent pending)
- Canada patent application
No.:2622269 (Patent pending)
- Ergonomically designed
- Safer, quicker & easier to use
- High pre-tensioning force
- 1/8 Chain link length adjustment
- Alloy steel, heat treated for durability
- Conforms to AS/NZ4344 standard.
- Multiple purposes
- Designed for a higher pre-tensioning strength
- Designed and manufactured by Australian Lifting Centre.

| CODE | CHAIN SIZE | LC | WEIGHT | CHAIN LENGTH |
|--------|------------|------|--------|--------------|
| | | kg | kg | metres |
| 202705 | 8mm | 3800 | 4.8kg | 0.5 |

Auswinch Features

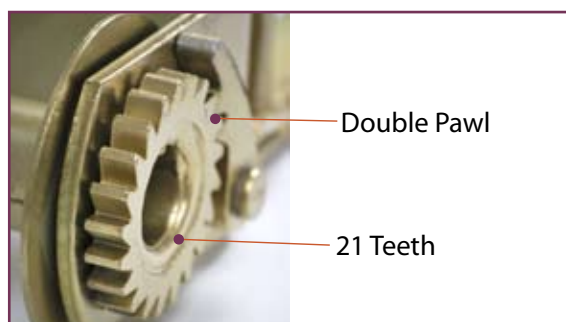
AUSWINCH

Ratchet winch with 21 teeth double pawl locking device .

International Patent No PCT/AU2009/001455
Australian Patent No 2008905987



Our research and development team have come up with a new innovation in Truck Winch which gives the benefits of high pretension with 30% less effort for the operator over other Winches in the market place. This registered design in the gear and pawl has become the most advanced Winch in Australia .All Loadmax Winches have this feature as standard.

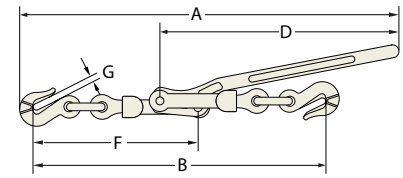
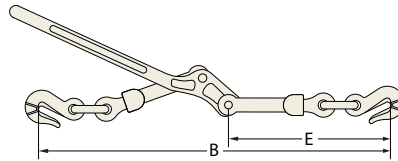


Our manufacturer has come up with a patent design in Truck Winches with the feature of a ratcheting head design which gives the benefits of quick take up of strap also provides limited ratcheting angles when in operation.All Loadmax ratchet head Winches are available.

Grab Hooks with supporting lugs

Loadmax Lever style Load Binder with winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations. Commonly used to tie down Steel, Plant Equipment, Timber and other general cargo applications.

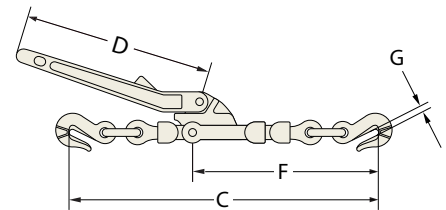
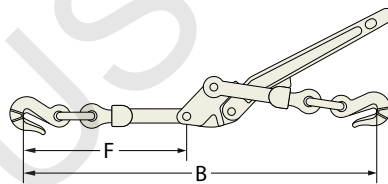
- Load Binder to suit Chain sizes from 6mm to 13mm available.
- Manufactured from dropped forged steel quenched and tempered.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- All Load Binders come with swivel winged Grab Hooks to achieve full lashing capacity
- Batch Test Certificate available upon request.
- Comply with AS 4344.



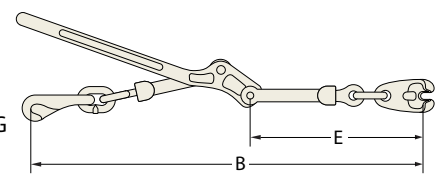
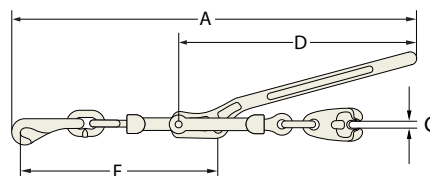
| CODE | CHAIN SIZE | LASHING CAPACITY | | MBF | Wt. | DIMENSIONS | | | | | | |
|--------|------------|------------------|-----------|-----|-----|------------|------|------|------|------|------|------|
| | mm | G70 Chain | G80 Chain | | | A mm | B mm | C mm | D mm | E mm | F mm | G mm |
| 202006 | 6 | 2300kg | 2300kg | 44 | 2.4 | 540 | 475 | 390 | 390 | 225 | 220 | 8.9 |
| 202008 | 7 - 8 | 3800kg | 4100kg | 84 | 3.2 | 610 | 560 | 455 | 405 | 265 | 264 | 12.7 |
| 202010 | 10 | 6000kg | 6400kg | 125 | 5.6 | 730 | 655 | 540 | 420 | 313 | 315 | 16 |
| 202013 | 13 | 9000kg | 10500kg | 205 | 8.9 | 790 | 830 | 635 | 535 | 370 | 350 | 18 |

Safety Lever Style (BX600)**Grab Hooks with supporting lugs**

Loadmax Safety Lever style Load Binder with winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the added safety feature of a recoilless handle.



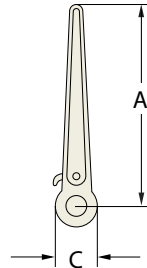
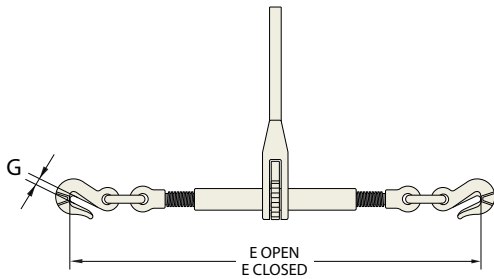
| CODE | CHAIN SIZE | LASHING CAPACITY | | MBF | Wt. | DIMENSIONS | | | | |
|--------|------------|------------------|-----------|-----|-----|------------|------|------|------|------|
| | mm | G70 Chain | G80 Chain | | | C mm | D mm | E mm | F mm | B mm |
| 202615 | 8 | 3,800kg | 4,100kg | 85 | 4.2 | 600 | 320 | 280 | 280 | 940 |
| 202620 | 10 | 6,000kg | 6,400kg | 130 | 6.5 | 720 | 380 | 320 | 320 | 1020 |

Standard Lever Style**Claw Hooks**

| CODE | CHAIN SIZE | LASHING CAPACITY | | MBF | Wt. | DIMENSIONS | | | | | | |
|--------|------------|------------------|-----------|-----|-----|------------|------|------|------|------|------|------|
| | mm | G70 Chain | G80 Chain | | | A mm | B mm | C mm | D mm | E mm | F mm | G mm |
| 202108 | 8 | 3800kg | 4100kg | 84 | 3.9 | 635 | 640 | 545 | 395 | 310 | 310 | 11.9 |
| 202110 | 10 | 6000kg | 6400kg | 125 | 5.6 | 715 | 729 | 625 | 445 | 345 | 345 | 14.9 |

Loadmax Ratchet style Load Binder with winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations, With the benefit of high pretension and the added safety of screw stops to ensure full thread contact while in use.

- Load Binder to suit Chain sizes from 6mm to 13mm available.
- Manufactured from dropped forged steel quenched and tempered.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- All Load Binders come with swivel winged Grab Hooks to achieve full lashing capacity.
- Comply with AS 4344, Batch Test Certificate available upon request.



| CODE | CHAIN SIZE | LASHING CAPACITY | | MBF | Wt. | DIMENSIONS | | | | |
|--------|------------|------------------|-----------|-----|------|------------|------|-----------|-------------|------|
| | mm | G70 Chain | G80 Chain | KN | kg | A mm | C mm | E-Open mm | E-Closed mm | G mm |
| 202206 | 6 | 2300kg | 2300kg | 46 | 1.69 | 210 | 42 | 528 | 415 | 10 |
| 202208 | 8 | 3800kg | 4100kg | 74 | 4.9 | 355 | 65 | 754 | 590 | 11 |
| 202210 | 10 | 6000kg | 6400kg | 118 | 5.4 | 355 | 65 | 775 | 610 | 12 |
| 202213 | 13 | 9000kg | 10500kg | 176 | 7.5 | 355 | 65 | 870 | 700 | 15 |



Loadmax Web Dog is a safe alternative to Load Binders

Web Dogs overcome the dangerous kick-back associated with load binders. Comply with AS 4344.

| CODE | LC | END FITTING | Wt. | WEBBING SIZE |
|--------|--------|----------------------|-----|--------------|
| 202703 | 3800KG | G70 SWIVEL GRAB HOOK | 4KG | 50mmx0.94M |

Grab Hook

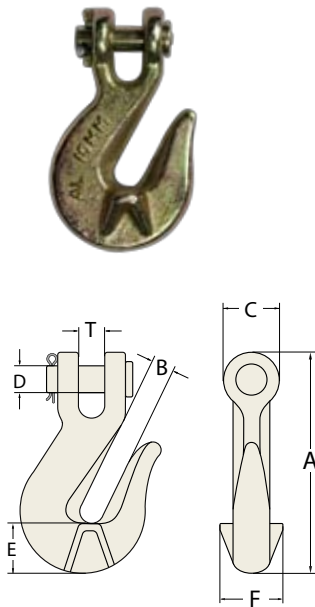
with supporting lugs



Note: G70 Chain & fittings not to be used for lifting purposes.

Loadmax Clevis Winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a cradle built into the hook to achieve full lashing capacity.

- Sizes available from 6mm to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- Comply with AS 4344, Batch Test Certificate available upon request.



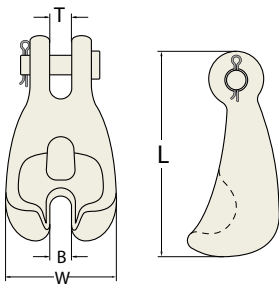
| CODE | SIZE | L.C | Wt. | DIMENSIONS | | | | | | |
|--------|------|------|------|------------|-----|----|------|------|------|------|
| | | | | A | B | C | D | E | F | T |
| | mm | kg | kg | mm | mm | mm | mm | mm | mm | mm |
| 201006 | 6 | 2300 | 0.23 | 77 | 8.5 | 21 | 8.5 | 18.5 | 24.5 | 10 |
| 201008 | 8 | 3800 | 0.35 | 95 | 12 | 23 | 11.5 | 24.5 | 31.5 | 11.5 |
| 201010 | 10 | 6000 | 0.57 | 112 | 13 | 28 | 12.5 | 29 | 40 | 13 |
| 201013 | 13 | 9000 | 0.92 | 136 | 16 | 32 | 16.8 | 44 | 43 | 16 |

Claw Hook



Loadmax Clevis Claw Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of full lashing capacity together with in line tension.

- Sizes available from 8 and 10mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- Comply with AS 4344, Batch Test Certificate available upon request.



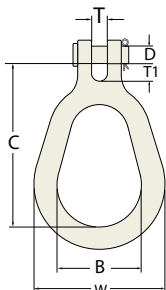
| CODE | SIZE | L.C | Wt. | DIMENSIONS | | | |
|--------|------|------|------|------------|------|----|-------|
| | | | | B | T | W | L |
| | mm | kg | kg | mm | mm | mm | mm |
| 201108 | 8 | 3800 | 0.15 | 9.5 | 12.5 | 47 | 88.22 |
| 201110 | 10 | 6000 | 0.30 | 11.5 | 12.5 | 55 | 103.3 |

Clevis Lug Links



Loadmax Clevis Lug Links combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a loop to use as a tow or anchor point. Commonly used for drag Chain applications.

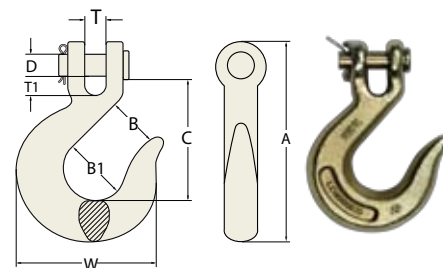
- Sizes available from 8 to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- Comply with AS 4344, Batch Test Certificate available upon request.



| CODE | SIZE | L.C | Wt. | DIMENSIONS | | | | | |
|--------|------|------|------|------------|-----|----|----|----|-----|
| | | | | B | C | D | T | T1 | W |
| | mm | kg | kg | mm | mm | mm | mm | mm | mm |
| 201208 | 8 | 3800 | 0.15 | 53 | 108 | 9 | 11 | 15 | 86 |
| 201210 | 10 | 6000 | 0.30 | 55 | 110 | 11 | 12 | 15 | 86 |
| 201213 | 13 | 9000 | 0.55 | 65 | 128 | 15 | 18 | 15 | 100 |

Loadmax Clevis Slip Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a hook style fitting for all sorts of lashing applications.

- Sizes available from 6 to 13mm.
- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability
- Comply with AS 4344, Batch Test Certificate available upon request.



| CODE | SIZE | L.C | Type | Wt. | DIMENSIONS | | | | | | | |
|--------|------|------|--------|------|------------|--------|---------|--------|--------|--------|---------|--------|
| | mm | kg | | kg | A (mm) | B (mm) | B1 (mm) | C (mm) | D (mm) | T (mm) | T1 (mm) | W (mm) |
| 201306 | 6 | 2000 | Clevis | 0.22 | 102 | 24 | 30 | 66 | 7.8 | 11 | 11.4 | 70 |
| 201308 | 8 | 3800 | Clevis | 0.33 | 114 | 27 | 32 | 74 | 9.9 | 13 | 13.4 | 75 |
| 201408 | 8 | 3800 | Eye | 0.33 | 114 | 27 | 32 | 74 | 9.9 | 13 | 13.4 | 75 |
| 201310 | 10 | 6000 | Clevis | 0.5 | 132 | 33 | 38 | 85 | 12 | 15 | 15.5 | 88 |
| 201313 | 13 | 9000 | Clevis | 1.23 | 166 | 43 | 49 | 103 | 16 | 19 | 19.6 | 123 |

Recovery Drag Chain Kit

Loadmax G70 Drag Chain kits give considerably higher load bearing capacity when required for 4WD recovery, towing, logging and other agricultural applications .

- Size available from 8 to 13mm and supplied with Lug link, Grab hook or Slip hook.
- Supplied at 5 metre length as standard however longer lengths can be supplied upon request.
- All Grade 70 Drag Chain Kits come with re-usable plastic containers.
- Comply with AS 4344, Batch Test Certificate available upon request.

| CODE | SIZE |
|-----------|----------------|
| Lug Link | Chain size x L |
| Grab Hook | |
| 203408 | 8mm X 5M |
| 203410 | 10mm X 5M |
| 203413 | 13mm X 5M |


Transport Chain Kit

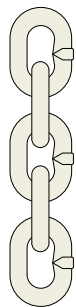
| CODE | CHAIN SIZE | HOOK TYPE | L.C |
|----------|------------|--------------|------|
| | Dia x Lth | Description | kg |
| 203200 | 6mm X 6M | Grab Hook | 2300 |
| 203205 | 6mm X 9M | Grab Hook | 2300 |
| 203205NH | 6mmx9M | No Grab Hook | 2300 |
| 203210 | 8mm X 6M | Grab Hook | 3800 |
| 203211 | 8mm X 7M | Grab Hook | 3800 |
| 203215 | 8mm X 9M | Grab Hook | 3800 |
| 203220 | 10mm X 5M | Grab Hook | 6000 |
| 203320 | 10mm X 6M | Grab Hook | 6000 |
| 203225 | 10mm X 9M | Grab Hook | 6000 |
| 203230 | 13mm X 9M | Grab Hook | 9000 |
| 203314 | 8mm X 6M | Claw Hook | 3800 |
| 203315 | 8mm X 9M | Claw Hook | 3800 |
| 203325 | 10mm X 9M | Claw Hook | 6000 |



Loadmax G70 Transport Chain Kits give the benefits of cleanliness, lightweight, strength and reliability therefore making it ideal for tie-down applications for the transport and shipping industries.

- Size available from 6 to 13mm and supplied with Grab Hook or Claw Hook.
- Any lengths can be supplied with other fittings upon request.
- All Grade 70 Transport Chain Kits come with re-usable plastic containers.
- Comply with AS 4344, Batch Test Certificate available upon request.

Transport Chain






Loadmax G70 Transport Chain gives the benefits of cleanliness, lightweight, strength and reliability therefore making it ideal for tie-down applications for the transport and shipping industries.

- G70 Chain available from 6 to 13mm and gold zinc finish.
- Marked with 4344(lashing capacity in tonnes) with AL for traceability.
- Available in 50kg pails or 500kg drum lots also any lengths can be supplied upon request.
- Comply with AS 4344, Batch Test Certificate available upon request.



Grade 70 Chains **MUST NOT** be used for lifting purposes.

| 500KG/DRUM | 50KG PAIL | CUT LENGTH | SIZE | L.C | 50KG LENGTH |
|---|---|--|------|------|-------------|
|  |  |  | | | |
| CODE | CODE | CODE | mm | KG | M |
| 203006 | 203106 | 203306 | 6 | 2300 | 62.5 |
| 203007 | 203107 | 203307 | 7.1 | 3000 | 46 |
| 203008 | 203108 | 203308 | 8 | 3800 | 35 |
| 203010 | 203110 | 203310 | 10 | 6000 | 22.5 |
| 203013 | 203113 | 203313 | 13 | 9000 | 13.4 |

Note: The above 50KG/M length is a guide only & may vary in length by different manufactures.

Cargo Bar



Loadmax Cargo Bar fitted with adjustable ratchet and rubber padded feet is the complete system to hold loads mainly for Pantech truck bodies.

- Adjustable Ratchet from 2.4 metre to 2.7metre.
- Manufactured from steel with rubber padded foot pad.

| CODE | ITEM | LENGTH (m) | Wt. (kg) |
|--------|-----------|------------|----------|
| 205602 | Cargo Bar | 2.26 -2.63 | 6.75 |

Shoring Bar



Loadmax Shoring Bar together with F-Track is the complete lightweight system to hold loads mainly for Pantech truck bodies.

- Spring loaded to be adjustable from 2.26 metre to 2.63 metre.
- Manufactured from lightweight steel with zinc plated finish.

| CODE | ITEM | LENGTH (m) | Wt. (kg) |
|--------|-------------|------------|----------|
| 205603 | Shoring Bar | 2.4 -2.7 | 9.2 |

Jack Bar



Loadmax Jack Bar fitted with adjustable Ratchet and rubber padded feet is the complete system to hold loads mainly for Pantec truck bodies.

- Adjustable ratchet from 2.2 metre to 2.9metre.
- Manufactured from square steel with rubber padded foot pad.



| CODE | ITEM | LENGTH (m) | Wt. (kg) |
|--------|----------|------------|----------|
| 205604 | Jack Bar | 2.1-2.9 | 7 |

Winch Track



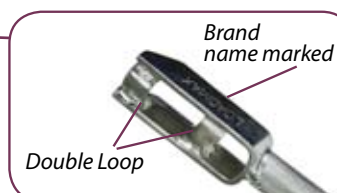
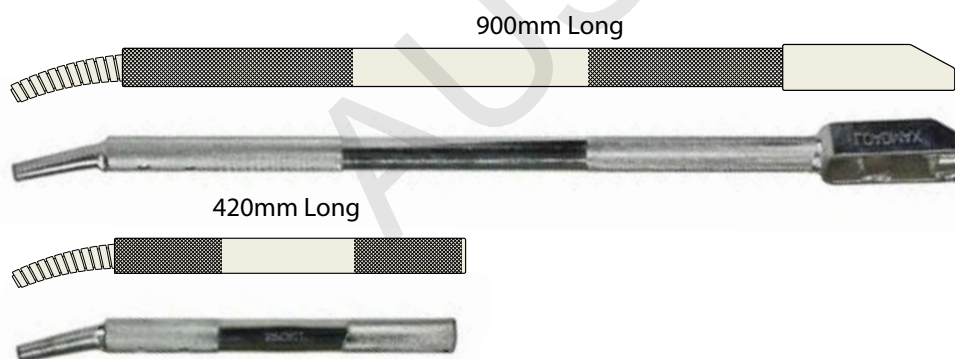
Loadmax Winch Track together with Truck Winches are a practical solution for load restraint applications as Winches are tucked under the deck.

- Standard length of 2.4 metre with 4mm gauge thickness.
- Manufactured from steel with zinc coated finish.



| CODE | ITEM | LENGTH (m) | Wt. (kg) |
|--------|-------------|------------|----------|
| 205500 | Winch Track | 2.4 | 12 |

Winch Bars



Loadmax Winch Bars are a handy tool to achieve pretension for Webbing strap and also safely release a Chain lashing system subject to statutory requirements.

- Bar length available 420mm and 900mm.
- Manufactured from steel knurled handle and double looped to keep bar inline with Load Binder handle chrome plated finish.



Note: Never use Winch Bar to tighten Load Binders.
Only used for Winch pre-tensioning & releasing load tension.
Read safety warning before use.

| CODE | DESCRIPTION | Wt.(kg) |
|--------|------------------|---------|
| 206000 | Winch Bar, 900mm | 2.8 |
| 206001 | Winch Bar, 420mm | 1.5 |

Motorbike Tie Downs



Loadmax Motor Cycle Cam Buckle Tie Down assemblies are the complete lashing system purposely made for Motor Cycle lashing requirements.

- Lashing capacity of 250kg per pair with 25mm Webbing.
- Manufactured from high tenacity polyester Webbing, with Cam Buckle, S-hook and Snap Hook.
- ID tagged with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

| CODE | DESCRIPTIONS |
|--------|---|
| 204015 | 25mmx1.7M Webbing C/W Snap Hook & S hook (2 per pack) |

Ratchet Tie Downs

Loadmax Ratchet Tie Down assemblies are the complete lashing system with the benefits of high pretension therefore less damage to cargo for general transport requirements.

- Lashing capacities available from 350kg to 5,000kg with Webbing widths from 25mm to 75mm.
- Manufactured from high tenacity polyester Webbing, heavy duty Hook and Keepers stamped with lashing capacity, heavy duty powder coated Ratchet Buckle.
- ID tagged on both tail and free end of strap with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.

25mm Webbing



204020 C/W S Hooks



Hook/Keeper

| 25mm CODE | LC | END FITTING | SIZE |
|-----------|-------|-------------|-------------|
| 204020 | 350KG | S Hooks | 25mm x 4.5M |
| 204024 | 500KG | H/Keeper | 25mm x 4.5M |
| 204026 | 500KG | H/Keeper | 25mm x 6M |

35mm Webbing



204030 C/W S Hooks



204035 C/W Hook/Keeper

| 35mm CODE | LC | END FITTING | SIZE |
|-----------|--------|-------------|-----------|
| 204030 | 500KG | S Hooks | 35mm x 6M |
| 204035 | 1500KG | H/Keeper | 35mm x 6M |

50mm Webbing



204251 C/W J Hooks



Hook/Keeper

| 50mm CODE | LC | END FITTING | SIZE |
|-----------|--------|-------------|------------|
| 204250 | 2500KG | H/Keeper | 50mm x 9M |
| 204251 | 2500KG | J Hook | 50mm x 9M |
| 204350 | 2500KG | H/Keeper | 50mm x 11M |
| 204353 | 2500KG | H/Keeper | 50mm x 13M |
| 204354 | 2500KG | H/Keeper | 50mm x 16M |

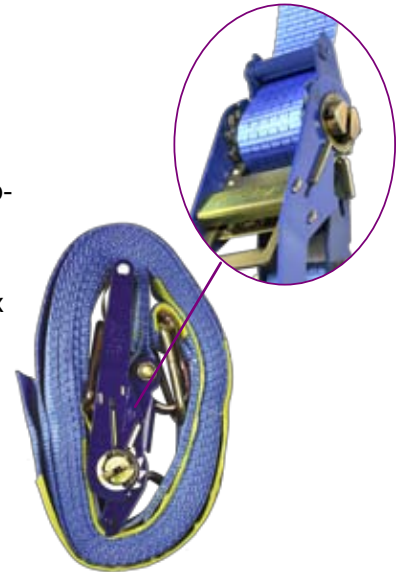
75mm Webbing



| 75mm CODE | LC | END FITTING | SIZE |
|-----------|--------|-------------|-----------|
| 204355 | 5000KG | H/Keeper | 75mm x 9M |

Loadmax Reverse action Ratchet Tie Down assemblies are the complete lashing system with the benefits of pull down action of the Ratchet Buckle also high pretension and less damage to cargo for general transport requirements.

- Lashing capacities available 2,500kg Webbing width 50mm
- Manufactured from high tenacity polyester Webbing, heavy duty Hook and Keepers stamped with lashing capacity heavy duty powder coated Ratchet Buckle.
- ID tagged on both tail and free end of strap with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.



| CODE | LC | SIZE |
|--------|--------|-----------|
| 204255 | 2500KG | 50mm x 9M |

Truck (Replacement) Winch Straps

Loadmax Winch Straps combined with Truck Winches are the complete lashing system with the benefits of high pretension and less damage to cargo for general transport requirements.

- Lashing capacities available from 2,500kg to 5,000kg with Webbing widths from 50mm to 75mm.
- Manufactured from high tenacity polyester Webbing with 2 x protective sleeves, heavy duty Hook and Keepers stamped with lashing capacity.
- ID tagged with, lashing capacity, strap length, safety information, date of manufacture, batch numbered and branded Loadmax for traceability
- Comply with AS/NZS 4380 with batch Test Certificate available upon request.



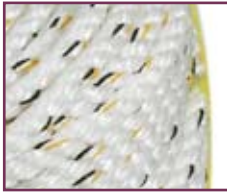
| CODE | LC | END FITTING | SIZE |
|------------------------------|--------|-------------|------------|
| 205301 Suit to Gate winch | 2500KG | H/Keeper | 50mm x 5M |
| 205315 | 2500KG | H/Keeper | 50mm x 9M |
| 205320 | 2500KG | H/Keeper | 50mm x 11M |
| 205323 | 2500KG | H/Keeper | 50mm x 13M |
| 205325 | 3000KG | H/Keeper | 75mm x 9M |
| 205330 | 5000KG | H/Keeper | 75mm x 9M |



Hook/Keeper



Silver Rope



Loadmax Transport Silver Rope gives the benefits of superior strength, wear and abrasion resistant, water proof and provide excellent knotting properties generally for the transport, industrial and shipping industries however Silver Rope has many other applications.

- Rope diametres available from 6mm to 12mm in 125 metre and 250 metre coils
- Manufactured with a 3 strand Hawser Laid from polyethylene textile.
- An information card with lashing capacities and knot tie guide also provided.
- All Silver Ropes are white in colour with a strand flek to identify lashing capacity.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4345

| CODE 125M | 250M | SIZE | FLECK COLOR | LC |
|-----------|--------|------|--------------|-------|
| 208005 | 208010 | 6mm | Blue, Black | 160kg |
| 208015 | 208020 | 8mm | Blue, Black | 280kg |
| 208025 | 208030 | 10mm | Blue, Yellow | 430kg |
| 208035 | 208040 | 12mm | Blue, Green | 600kg |

Silver Rope Hanks



Loadmax Transport Silver Rope come in handy hanks with the benefits of superior strength, wear and abrasion resistant, water proof and provide excellent knotting properties generally for the transport, industrial and shipping industries however Silver Rope has many other applications.

- Rope diametres available from 6mm to 12mm in 6 metre to 12 metre hanks
- Manufactured with a 3 strand Hawser Laid from polyethylene textile.
- An information card with lashing capacities and knot tie guide also provided.
- All silver ropes are white in colour with a strand flek to identify lashing capacity.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4345.

| CODE | DESCRIPTION |
|--------|--------------------------------|
| 280606 | 6mm x 6mtr SILVER ROPE HANKS |
| 281008 | 8mm x 8mtr SILVER ROPE HANKS |
| 281010 | 10mm x 10mtr SILVER ROPE HANKS |
| 281212 | 12mm x 12mtr SILVER ROPE HANKS |

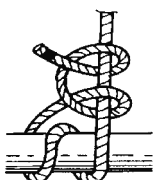
Using Ropes and Knots

Using Ropes and Knotting

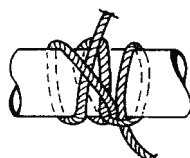
Ropes are attached to the tie rails and tensioned using knots. To be effective, the right knot must be used and correctly tied.

When tensioning a rope using a 'truckies' hitch, avoid injury by ensuring the rope does not break or cut on a sharp object or a knot does not slip and undo.

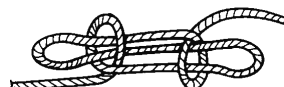
After a rope is tightened, the initial tension will usually relax after a very short time and the rope may need re-tightening



ROUND TURN & TWO HALF HITCHES



CLOVE HITCH & HALF HITCH



SHEEPSHANK



SINGLE SHEET BEND

Loadmax Rubber Tarp Straps generally used to tie down tarps for the transport industry. However Tarp Straps have many other applications.

- Tarp strap lengths available from 9" to 41"
- Manufactured from elasticized rubber compound with hi-tensile S-Hooks.
- All tarp straps have safety warning information impregnated into strap.



Eye protection must be used when using Rubber Tarp Straps.

| CODE | LENGTH | MAX. STRETCH |
|--------|--------|--------------|
| 207003 | 9" | 16" |
| 207005 | 15" | 25" |
| 207010 | 21" | 36" |
| 207015 | 31" | 44" |
| 207020 | 41" | 54" |



Snatch Straps

Austlift Snatch Straps are manufactured from Hi-tendency 100% Nylon Webbing to ensure a minimum stretch of 20% suitable for 4WD recovery and towing applications.

- 10,000kg minimum break strength with a minimum stretch of 20%.
- 100% Nylon Webbing in 9 metre strap length as standard.
- Reinforced eyes for added protection from abrasion.
- Straps come with safety information tag.

| CODE | LENGTH | MBS |
|--------|----------|----------|
| 204390 | 75mmx9m | 10,000kg |
| 204391 | 125mmx9m | 15,000kg |
| 204392 | 200mmx9m | 30,000kg |



Vehicle Ratchet Tie Down

| CODE | LC | END FITTING | SIZE |
|--------|--------|-------------|-----------|
| 204555 | 2500KG | J hook | 50mm x 3M |



Do Not Overtake Sign

| CODE | SIZE | DESCRIPTION |
|--------|-----------|------------------------------------|
| 409101 | 400x400mm | Right side, Sticker / Class 2 Refl |
| 409102 | 400x400mm | Left side, Sticker / Class 2 Refl |
| 409103 | 400x400mm | Right side, Metal / Class 2 Refl |
| 409104 | 400x400mm | Left side, Metal / Class 2 Refl |



Left side



Right side

21 Teeth & Double Pawl



205000

Loadmax Clip-On Standard Truck Winches are primarily fitted to truck tie rails with the benefit of a high pretension with less effort for easy operation making them an effective way to restraint heavy loads for transport applications.

- Lashing capacity of 3,000kg for Webbing or G70 Chain.
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.



205200

Loadmax Slide-On Standard Truck Winches are primarily fitted to a Winch Track with the benefit of a high pretension with less effort for easy operation making them an effective way to restraint heavy loads for transport applications.

- Lashing capacity of 3,000kg for Webbing or G70 Chain.
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.



205207

Loadmax Gate Truck Winches are primarily fitted to the under body of the trailer for lashing truck gates with the benefit of a high pretension with less effort for easy operation.

- Lashing capacity of 3,000kg for 5 metres of Webbing
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.



205215

Loadmax Heavy Duty Truck Winches are primarily fitted to the under body of the trailer for lashing truck gates with the benefit of a high pretension with less effort for easy operation.

- Lashing capacity of 5,000kg for 9 metres of Webbing
- Manufactured from medium grade hi-tensile steel gold passivated for corrosion protection.
- Marked with lashing capacity, batch numbered and branded Loadmax for traceability
- All Truck Winches come with our 21 teeth double pawl patent design as standard.
- Batch Test Certificate available upon request.
- Comply with AS/NZS 4380.


AUSWINCH
International Patent No.: PCT/AU2009/001455
Australian Patent No.: 2009317858
Design No.: 305232


| CODE | 204990 | 205090 | 204995 | 205095 |
|----------|---|--|---|--|
| Products | Clip on, LC3000KG AusWinch (Bare Winch) | Slide on, LC3000KG AusWinch (Bare Winch) | Clip on, LC3000KG Ratchet Winch 50mmx9M | Slide on, LC3000KG Ratchet Winch 50mmx9M |

Standard Truck Winch


Slide-on Winch



Clip on Winch



Gate Winch



Heavy duty Winch

| CODE | 205200 | 205000 | 205207 | 205215 |
|--------------------------|--|---|---|---|
| Products (Bare Winch) | Slide-on, LC3000KG Std. Winch (Bare Winch) | Clip on, LC3000KG Std. Winch (Bare Winch) | Gate Winch, LC3000KG (Bare Winch) | H/Duty Winch, LC5000KG (Bare Winch) |



Slide-on Winch



Clip on Winch



Gate Winch



Heavy duty Winch

| CODE | 205203 | 205003 | 205208 | 205210 |
|--------------------------|--|--|------------------------------------|--------------------------------------|
| Products (With Strap) | Slid on, LC3000KG Std. Winch 50mmx9M | Clip on, LC3000KG Std. Winch 50mmx9M | Gate Winch, LC3000KG 50mmx5M | H/Duty Winch, LC5000KG 50mmx9M |

Ratchet Buckles

Loadmax Ratchet Buckles and Cam Buckles are used for a tie down accessory combined with Webbing generally for the transport industry also has many other applications .

- Lashing capacities from 200kg to 5,000kg available.
- Suits Webbing sizes from 25mm to 75mm.
- Manufactured from hi-tensile steel.
- Marked with lashing capacity.



38mm Ratchet

LC 1250kg
Blue or Black
Powder Coated
Code: 206036



50mm Ratchet

LC 2500kg
Blue or Black
Powder Coated
Code: 206050



50mm Ratchet

LC 1000kg
Blue or Black
Powder Coated
Code: 206051



75mm Ratchet

LC 5000kg
Blue or Black
Powder Coated
Code: 206075



25mm Ratchet

LC 800kg
Gold Zinc
Code: 206025



25mm Ratchet

LC 400kg
Powder Coated
Code: 206026
(Gold Zinc)206026G



Cam Buckles

25mm(150kg) 206124
25mm(225 kg)206125
25mm(350kg)206126
51mm(550kg)206128



Curturn Buckle

LC 1250kg
Blue or Black
Powder Coated
Code: 206302



Keeper

Gold plated
38mm: 206157
50mm: 206350
75mm: 206159



Hooker & Keeper

Gold plated
38mm(1500Kg): 206151
50mm(2500Kg): 206152
75mm(5000Kg): 206153



Round Rings

50mm x Ø10mm
Code: 206117
76mmxØ10mm
Code: 206118



J Latch Hook Compact c/- Ratchet Buckle

38mm
LC 1500Kg
Code: 206141



Single J Hook

50mm HD LC 2500KG
Code: 206168



Double J Hook

LC 750kg 25mm: 206160
LC 1500kg 38mm: 206107

Loadmax Lashing hardware are used for a tie down accessory combined with Webbing generally for the transport industry also has many other applications .

- Lashing capacities from 200kg to 5,000kg available.
- Suits Webbing sizes from 25mm to 75mm.
- Manufactured from hi-tensile steel.
- Marked with lashing capacity.
- Conforms to AS/NZS 4380.



Butterfly Hook
Truck Fitting

LC 1000Kg

Code: 206114



S Hooks

Plastic dipped

LC (600Kg): 206102



Anchor Point

LC1250kg

Code: 206133



Eye Tow hook

LC 2455KG

Code: 201508



Delta Ring

Gold Plated

75mm, LC 5000Kg

HD Code:206306*

*Non-stocked item.



D Ring

52mm, LC2500KG

Zinc finish

Code: 206111



E Hook

52mm

Zinc finish, LC1000KG

Code: 206115



Wooden Beam Socket

Zinc finish

43mm(w) 70mm(h)

Code: 206113



Corner Protector

1000mm

Plastic

Code: 206009



Anchor Point

114x124mm

LC 1125kg

Code: 206131



Round Anchor Point

120mm

LC 275kg

Code: 206130



Eye Ring

Eye Ring 50mm

LC 4250Kg

Code:206119



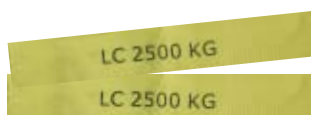
Corner Protection

Webbing Type (L/D)

Plastic

100mm

Code:206007



Protection Sleeves
/Pair (Mark LC 2.5T)

Webbing
(300mm x 50mm)

Code:204400



Flat Hook

Black finish, 51mm

LC 2200kg

Code: 206105

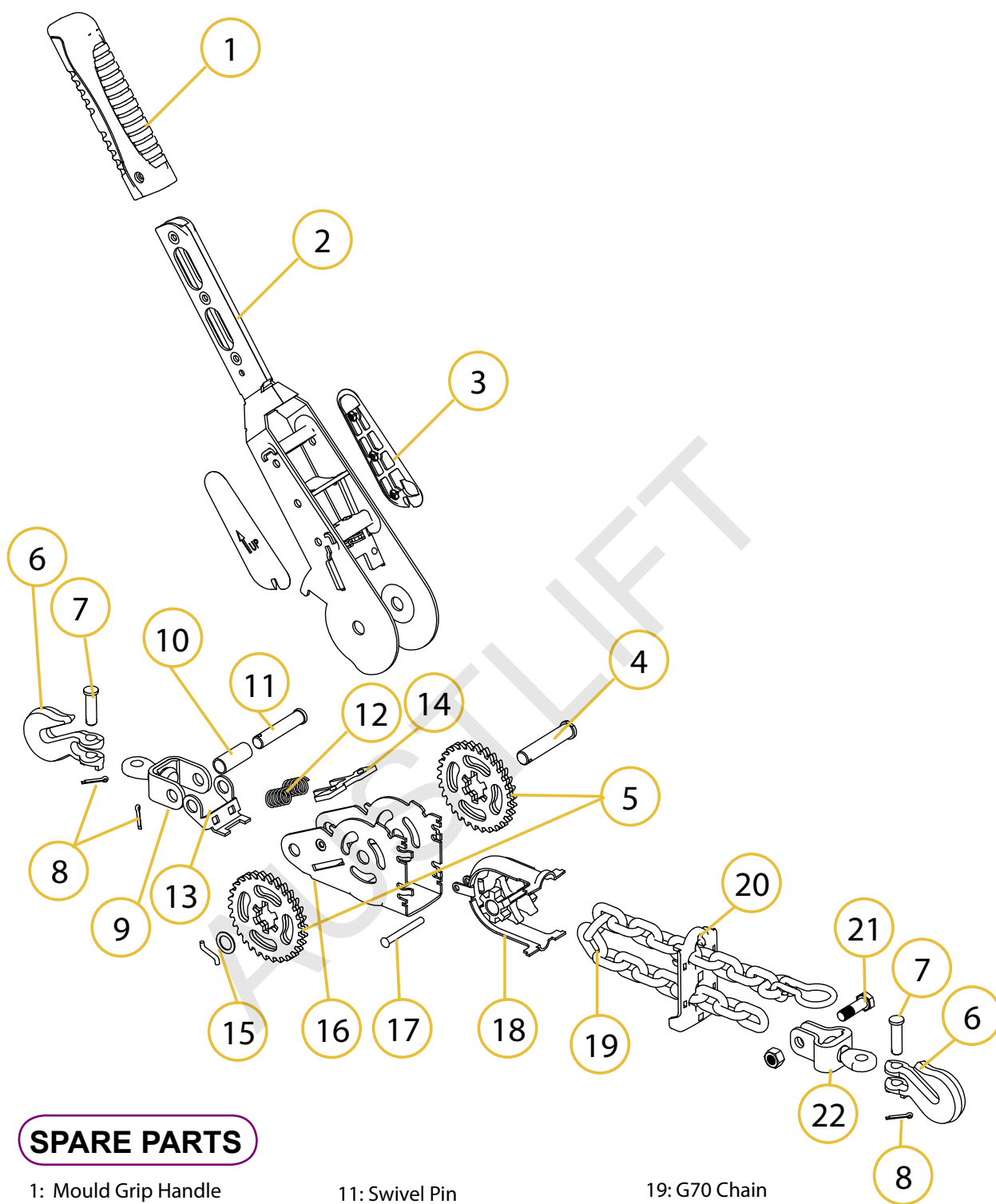


Vehicle Flat
Double Hook

50mm

LC 2500kg

Code:206103



SPARE PARTS

1: Mould Grip Handle
2: Handle Assembly
3: Handle Cover
4: Gear Pin
5: Ratchet Gear x2
6: Grab Hook x2
7: Load Pin x2
8: Split Pin x3
9: Hook Swivel
10: Bush

11: Swivel Pin
12: Paw Spring
13: Spring Bracket
14: Paw
15: Gear Washer & Pin
16: Main Body
17: Body Pin
18: Chain Guard & Wheel

19: G70 Chain
20: Chain Guide
21: Swivel Bolt
22: Chain Swivel

CAUTION

Under Duty of Care laws, Load Restraint products shall comply with AS/NZS4344-2001.
Transport Chain and components AS/NZS4380-2001 Transport Webbing.

Accountability

The legal responsibility of Packing, Loading, Driving, Receiving and Operation liability stops with the driver.

New regulation

Traffic Inspectors and Police have the legal right to search and inspect your vehicle at any time and fine you on the spot.

Employees

The operator, driver and anyone else is responsible while any vehicle is used on public roads.

TRANSPORT CHAIN AND FITTINGS

- Do not use transport G70 Chain for any lifting purposes.
- The Australian Standard states that G70 Chain shall be marked with 4344 together with lashing capacity. If marking is not on Chain do not use it.
- Loadmax ensures G70 Chain is rigorously tested compliant to AS4344 and of the highest quality.
- Loadmax G70 Chain and fittings are clearly marked Grade 70 with lashing capacity "LC", size of Chain and branded Loadmax for traceability.

TRANSPORT LOAD BINDERS

- Avoid injury – operate by hand only from a standing position on firm ground.
- Load binding systems store force which can release suddenly, Stay clear of handle, as it could suddenly release with force causing personal injury.
- Regularly inspect Load Binders before using, for wear, bending, cracks and gouges. Do not use the Load Binder if any of the above are present and replace any damaged or faulty Load Binders.
- Ensure the appropriate size and grade of Chain and fittings are used with the Load Binder.
- It is not recommended to use the handle extensions (pipes or cheater bars) as they can overload and weaken the entire system.
- Ensure Load Binders are tight before moving, As loads settle in transportation you should stop and recheck tension frequently.
- Never discard warning instructions and read them for safety sake.

RATCHET ASSEMBLIES

- Loadmax Ratchet Tie Down assemblies have the lashing capacity on Safety Tags, Ratchet Buckle also Hook and Keepers to aid the operator to select the correct lashing system for the load to be transported.
- Loadmax Ratchet Buckles are powder coated together with safety lock to prevent the assembly to accidentally loosen or slipping of the load.
- The Webbing used for Loadmax Tie Down assemblies are manufactured from high tendency polyester yarn for superior strength and pretension.
- All Heavy Duty Tie Down assemblies come with reinforced eyes for the Hook and Keepers and 2 x wear protective sleeves to add life to the assembly.
- Sewn into both ends of the assembly are ID tags with safety information, lashing capacity, date of manufacture and branded Loadmax for traceability.

TRUCK WINCHES

- Ensure the strap used on the Winch is tensioned during transporting
- as loose straps will wear prematurely over tight straps.
- Regularly inspect the Pawls and Cog Teeth for any damage, and check they are in good working order.
- Ensure the correct Winch is selected for the appropriate transport application.
- For Clip-on type Winches, make sure the bar arms are straight and show no signs of distortion.
- It is recommended that at least three turns of Webbing remains on the Winch Drum to provide enough friction hold to the Winch.

UNDERSTANDING G FORCES

When cornering, stopping, accelerating, and in emergencies loads are subjected to G forces. During transport operation this can lead to a variety of movements of the load which may create serious hazards to both the driver and other road users. Shifting loads can cause serious destabilization of the vehicle, or penetration of loads through the cabin, particularly in emergency braking situations. Therefore G forces must be taken into consideration when specifying Load Restraint equipment.

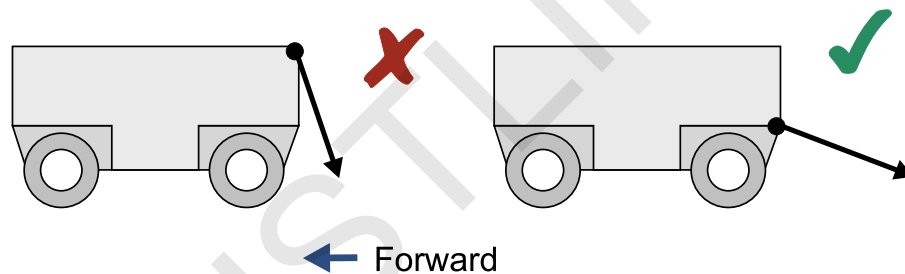
DIFFERENT METHODS FOR RESTRAINT APPLICATIONS.

Tiedown-This is used to maximize the friction between the load and the deck friction co-efficient. Tiedown lashings rely on the pretension capability of the assembly and not on the overall strength of the system. Eg; if the system is capable of exerting sufficient pre-tension it is strong enough for the application.

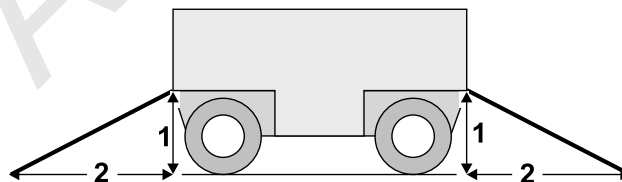
Direct- With direct lashings the assembly strength is used to restrain the load, sometimes in several directions, with less emphasis placed on friction values. The angles of the straps can lead to a reduction in overall assembly strength. Note the use of round slings around the awkward load.

Combination- It is sometimes necessary to combine both direct and tiedown methods to particular loads. This utilizes both the strength of the direct lashing and the clamping force of the tiedown.

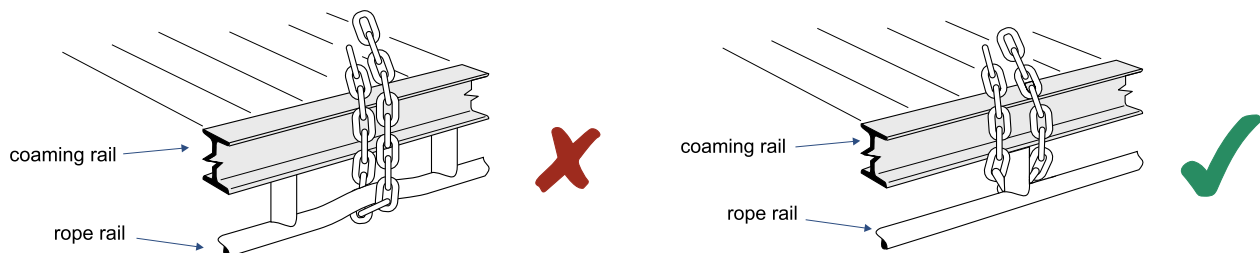
SAFETY LASHING TIPS:



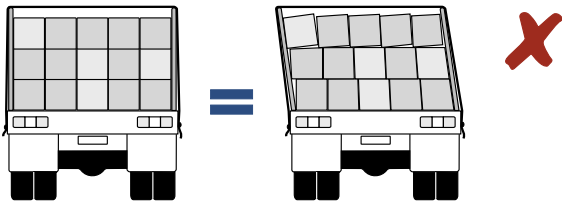
DIRECT LASHING ANGLES (front lashings not shown)



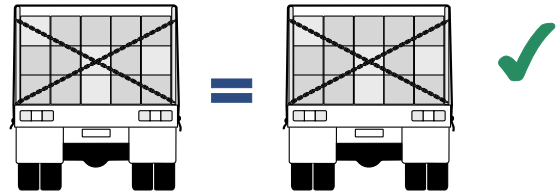
RECOMMENDED DIRECT LASHING ANGLE



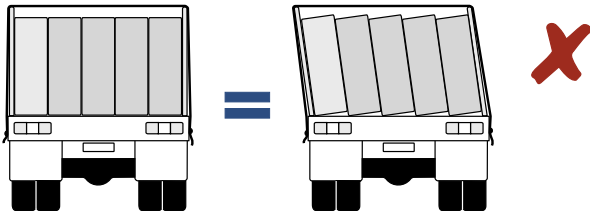
CORRECT (at support point)



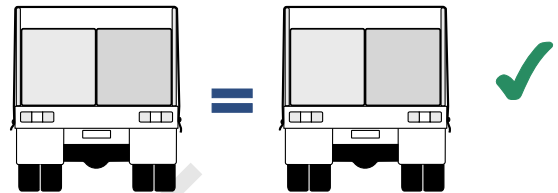
STACKED PACKS



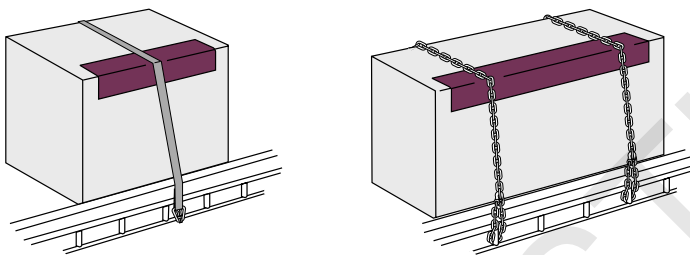
GATES CROSS TIED



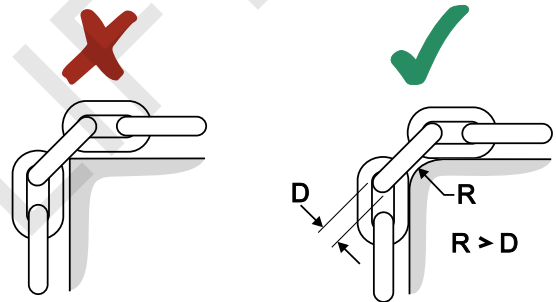
TALL UNSTABLE PACKS



STABLE RIGID PACKS



LASHING AND LOAD PROTECTION



CHAIN OVER SHARP CORNER



4WD RECOVERY



Wire Rope Hoist



Complete with 20m wire rope assembly & reeler

As well as lifting and hauling loads Austlift Wire Rope Hoist are also ideally used for 4WD off road recovery.

- Compact lightweight and robust in construction.
- Recommended for portable applications.
- Able to be operated at any angle easy to handle.
- Hoists come with Wire Rope. Longer lengths available.
- Hoists are individually proof tested and serial numbered.
- All hoists have spare shear pins in handle.
- Conforms to AS1418.2 with instruction manual.

| CODE | 135008A | 135016 |
|------------------|------------|-------------|
| WLL | 800kg | 1600kg |
| Pulling Capacity | 1250kg | 2500kg |
| Wire rope | 8.3mm | 11.4mm |
| Construction | 6x19S+IWRC | 6x25Fi+IWRC |
| Advance/pull | 52mm | 55mm |
| Handle force | 343N | 438N |

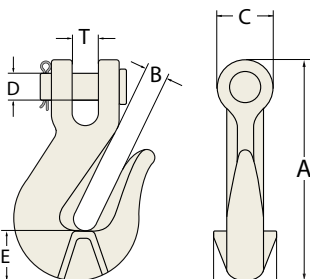
Grab Hook

with supporting lugs



Loadmax Clevis Winged Grab Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a cradle built into the hook to achieve full lashing capacity.

- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS 4344.

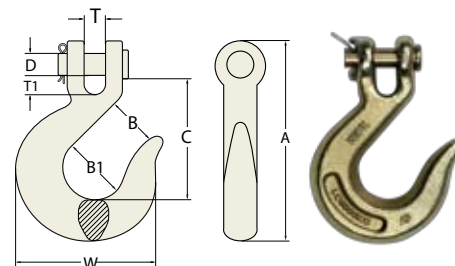


| CODE | SIZE | L.C | Wt. | DIMENSIONS | | | | | | |
|--------|------|------|------|------------|----|----|------|------|------|------|
| | | | | A | B | C | D | E | F | T |
| | mm | kg | kg | mm | mm | mm | mm | mm | mm | mm |
| 201008 | 8 | 3800 | 0.35 | 95 | 12 | 23 | 11.5 | 24.5 | 31.5 | 11.5 |

Clevis Slip Hook

Loadmax Clevis Slip Hooks combined with Grade 70 Chain are an effective way to restraint heavy loads for transport operations with the benefit of a hook style fitting for all sorts of lashing applications.

- Manufactured from dropped forged steel quenched and tempered and gold zinc plated.
- Marked with Chain size, lashing capacity, grade, batch numbered and branded Loadmax for traceability.
- Batch Test Certificate available upon request.
- Comply with AS 4344.



| CODE | SIZE | L.C | Wt. | DIMENSIONS | | | | | | | |
|--------|------|-----|------|------------|----|----|----|-----|----|------|----|
| | mm | t | kg | A | B | B1 | C | D | T | T1 | W |
| | | | | mm | mm | mm | mm | mm | mm | mm | mm |
| 201308 | 8 | 3.8 | 0.33 | 114 | 27 | 32 | 74 | 9.9 | 13 | 13.4 | 75 |

Recovery Drag Chain Kit

Loadmax G70 Drag Chain Kits gives considerably higher load bearing capacity when required for 4WD recovery, towing, logging and other agricultural applications .

- Chain Kits available from 8 to 13mm and supplied with Lug link, Grab Hook or Slip Hook.
- Supplied at 5 metre length as standard however longer lengths can be supplied upon request.
- All Grade 70 Drag Chain Kits come with re-usable plastic containers.
- Batch Test Certificate available upon request.
- Comply with AS 4344.

| CODE | SIZE |
|--------------------|----------------|
| Lug Link Grab Hook | Chain size x L |
| 203408 | 8mm X 5M |
| 203410 | 10mm X 5M |
| 203413 | 13mm X 5M |



Ratchet Tie Downs

| CODE | LC | END FITTING | SIZE |
|--------|--------|-------------|-------------|
| 204020 | 250KG | S Hooks | 25mm x 4.5M |
| 204030 | 500KG | S Hooks | 35mm x 6M |
| 204035 | 1500KG | H/Keeper | 35mm x 6M |



Snatch Straps

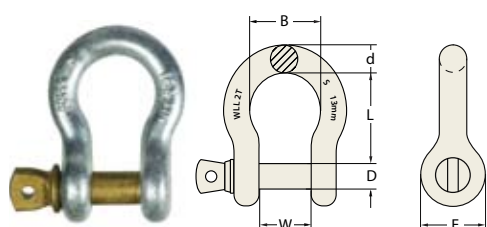
MBS 10,000 kg
75mm x 9metre
Code: 204390



Off Road Block c/w Vinyl Bag

MBS 8,000 kg, Sheave 125mm
For 11mm Wire Rope Only
Code: 204395

Gold Screw Pin , Bow Type Grade 'S' Shackle



| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------|-----|------|------------|----|----|----|----|----|--|
| | mm | T | kg | B | D | d | E | L | W | |
| | | | | mm | mm | mm | mm | mm | mm | |
| 503016 | 16 | 3.2 | 0.63 | 43 | 19 | 16 | 40 | 61 | 27 | |
| 503019 | 19 | 4.7 | 1.02 | 51 | 22 | 19 | 48 | 72 | 32 | |



SYDNEY

43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE

47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH

Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE

7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

STEEL WIRE ROPE FITTINGS

AUSTLIFT



1300 100 120
WWW.AUSTLIFT.COM.AU





LIFTING YOUR BUSINESS TO A HIGHER LEVEL



Contents

| | |
|---|-----|
| <i>Heavy Duty Commercial Wire Rope Grip</i> | 95 |
| <i>Double Throated Wire Rope Grip</i> | 95 |
| <i>Australian Standard Wire Rope Grip</i> | 96 |
| <i>Commercial Thimble</i> | 96 |
| <i>AS Gold Tip Thimble</i> | 97 |
| <i>Thimble Eye Nut</i> | 97 |
| <i>Solid Thimble Pilot Hole (Hot dip Gal)</i> | 98 |
| <i>Pre-drilled Solid Thimble</i> | 98 |
| <i>Wedged Socket, Open Type, Clevis</i> | 99 |
| <i>AS Open Thimbles</i> | 99 |
| <i>Copper Ferrules</i> | 100 |
| <i>Nickel Plated Copper Ferrules</i> | 100 |
| <i>Aluminium Ferrules</i> | 101 |
| <i>Ferrules Selection Chart</i> | 102 |
| <i>Warning</i> | 102 |
| <i>How To Use Wire Rope Grips</i> | 103 |
| <i>Wedge Socket Safety Installation</i> | 105 |
| <i>Safety Information For Wedge Socket</i> | 105 |



Wire Rope Grips

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 Grips

AS Wire Rope Grips: Not for lifting applications. Manufactured to AS2076, not to be used on living 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 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 require lengthening.

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 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 above 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.

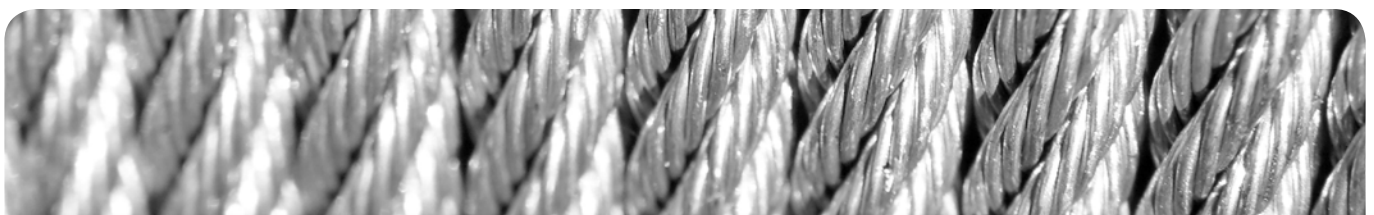
It is essential that all fittings used for these splices be obtained from the distributing company which holds the acceptance from this department.

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.

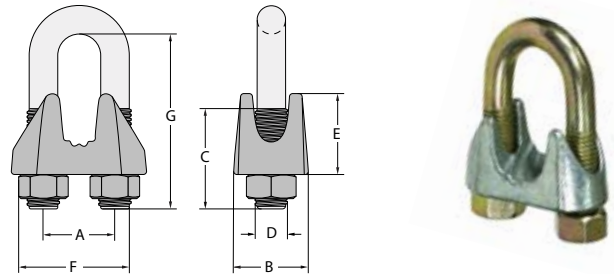


**When you choose Austlift™
You choose quality.**

COMMERCIAL GRADE WIRE ROPE GRIPS
Heavy Duty Commercial Wire Rope Grip

WARNING NOT FOR LIFTING PURPOSES

- 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.



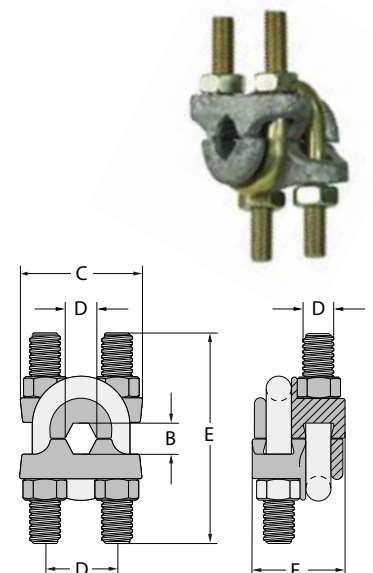
| CODE | SIZE | | Wt. kg/pc | DIMENSIONS | | | | | | |
|--------|------|-------|--------------|------------|---------|---------|---------|---------|---------|---------|
| | in | mm | | A mm | B mm | C mm | D in | E mm | F mm | G mm |
| 301002 | 1/16 | 1.6-2 | 0.014 | 9.5 | 12 | 12.5 | 3/16 | 10 | 20.5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


WARNING NOT FOR LIFTING PURPOSES

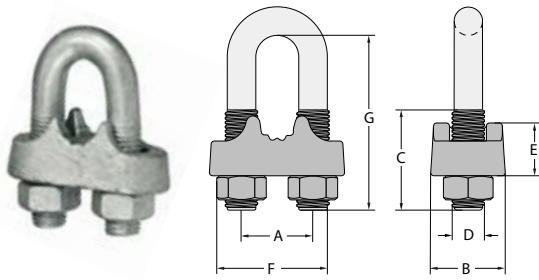
- Only genuine Austlift grips have a Gold U-BOLT for instant recognition.
- Heavy duty double saddle and comes with larger nut size for greater tightening force.
- Sizes available are from 8mm to 16mm.
- Zinc plated finish on both U-bolt and saddle.
- Designed and tested according to AS2076
- NOT FOR LIFTING PURPOSES.

Double Throated Wire Rope Grip

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



Australian Standard Wire Rope Grip



WARNING NOT FOR LIFTING PURPOSES

- Conforms to AS2076 and marked with AS and size under saddle.
- Heavy duty cast steel saddle and hi tensile U-bolt comes with larger nut size for greater tightening force.
- Sizes available are from 6mm to 52mm.
- Hot dipped galvanized finish on both U-bolt and saddle.
- NOT FOR LIFTING PURPOSES.

| CODE | SIZE | Wt. kg/pc | DIMENSIONS | | | | | | |
|--------|------|--------------|------------|---------|---------|---------|---------|---------|---------|
| | mm | | A mm | B mm | C mm | D in | E mm | F mm | G mm |
| 301506 | 6 | 0.04 | 14 | 15 | 20 | M6 | 12 | 28 | 26 |
| 301508 | 8 | 0.069 | 18 | 19 | 22 | M8 | 14 | 34 | 32 |
| 301510 | 10 | 0.12 | 20 | 23 | 27 | M10 | 17 | 42 | 40 |
| 301512 | 12 | 0.132 | 22.3 | 28 | 32 | M10 | 20 | 50 | 48 |
| 301514 | 14 | 0.223 | 27 | 32 | 38 | M12 | 22 | 52 | 52 |
| 301516 | 16 | 0.351 | 31 | 32 | 41 | M14 | 26 | 66 | 64 |
| 301518 | 18 | 0.488 | 35 | 38 | 47 | M16 | 27 | 68 | 68 |
| 301520 | 20 | 0.98 | 43 | 46 | 58 | M20 | 36 | 89 | 88 |
| 301522 | 22 | 1.123 | 40 | 46 | 61 | M20 | 32 | 72 | 92 |
| 301526 | 26 | 1.425 | 50 | 50 | 66 | M22 | 38 | 90 | 96 |
| 301528 | 28 | 1.56 | 52 | 50 | 70 | M22 | 39 | 92 | 104 |
| 301532 | 32 | 1.9 | 56 | 55 | 75 | M24 | 41 | 112 | 120 |
| 301538 | 38 | 2.1 | 64 | 55 | 78 | M24 | 48 | 120 | 122 |
| 301544 | 44 | 3.0 | 73 | 62 | 90 | M27 | 52 | 135 | 150 |
| 301552 | 52 | 4.2 | 85 | 69 | 103 | M30 | 56 | 154 | 185 |

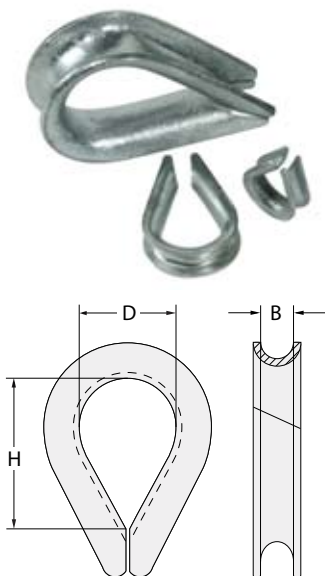
Commercial Thimble



WARNING NOT FOR LIFTING PURPOSES

Commercial Thimbles are recommended for light duty applications.

- Zinc plated finish and made from light gauge steel.
- Sizes available are from 2mm to 24mm.
- Tolerances may vary for commercial products
- NOT FOR LIFTING PURPOSES.

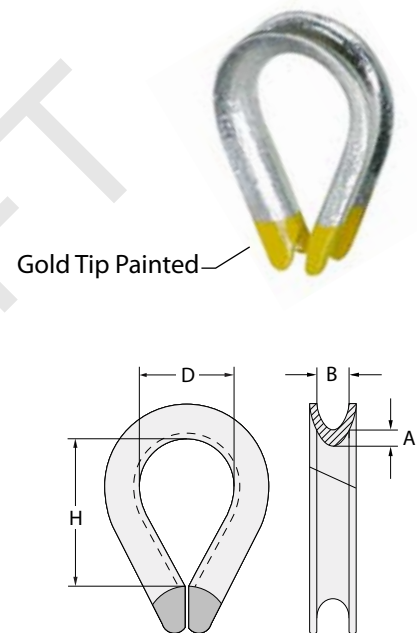


| CODE | SIZE | Wt. kg/pc | DIMENSIONS | | |
|--------|------|--------------|------------|------|------|
| | mm | | B mm | H mm | D mm |
| 302002 | 2 | 0.002 | 2 | 10 | 8 |
| 302003 | 3 | 0.003 | 3 | 13 | 10 |
| 302004 | 4 | 0.006 | 4 | 16 | 11 |
| 302005 | 5 | 0.015 | 5 | 22 | 16 |
| 302006 | 6 | 0.018 | 6 | 26 | 19 |
| 302008 | 8 | 0.03 | 8 | 34 | 24 |
| 302010 | 10 | 0.043 | 10 | 42 | 32 |
| 302012 | 12 | 0.062 | 12 | 51 | 38 |
| 302016 | 16 | 0.105 | 16 | 60 | 42 |
| 302020 | 20 | 0.215 | 20 | 71 | 50 |
| 302022 | 22 | 0.34 | 22 | 79 | 62 |
| 302025 | 24 | 0.48 | 24 | 82 | 71 |

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

AS Thimbles are recommended for heavy duty applications.

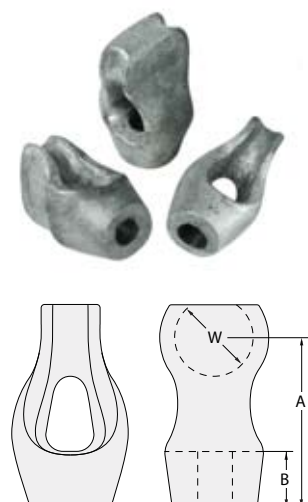
- Conforms to AS1138 and Gold tip painted the mark of Austlift products.
- Made from heat treated high tensile steel material.
- Sizes available are from 6mm to 52mm.
- Hot dipped galvanized finish.
- FOR LIFTING PURPOSES.

**Thimble Eye Nut**

Thimble Eynuts are recommended where a Wire Rope can be terminated to a female thread.

- Proof tested double the working load limit.
- Made from heat treated high tensile steel material.
- Thread sizes available are M20 and M24.
- Hot dipped galvanized finish.

| CODE | SIZE | WLL tonn | MBS KN | DIMENSIONS | | |
|--------|------|-------------|-----------|------------|---------|---------|
| | mm | | | A mm | B mm | W mm |
| 302720 | M20 | 3.6 | 144 | 87 | 30 | 23 |
| 302724 | M24 | 4.2 | 164 | 87 | 30 | 30 |



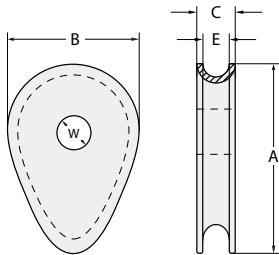
Solid Thimble Pilot Hole (Hot dip Gal)

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.

- Conforms to AS1138.
- Made from heat treated high tensile steel material.
- Sizes available are from 8mm to 48mm.
- Hot dipped galvanized finish.
- Refer to the Australian Standards for advice on drilling larger hole sizes.
- Pre-drilled pilot hole.
- FOR LIFTING PURPOSES.

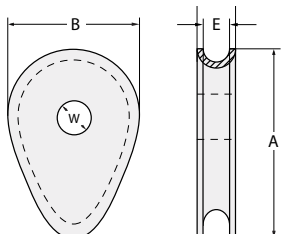


Note: Holes sizes can be drilled to your requirements, charges apply.



| CODE | SIZE | | DIMENSIONS | | | |
|--------|------|------|------------|------|------|------|
| | mm | A mm | B mm | C mm | E mm | W mm |
| 302908 | 8 | 56 | 40 | 15 | 9 | 10 |
| 302910 | 10 | 70 | 50 | 17.5 | 11 | 10 |
| 302912 | 12 | 84 | 60 | 20 | 13 | 10 |
| 302914 | 14 | 98 | 70 | 23.5 | 16 | 10 |
| 302916 | 16 | 110 | 80 | 26 | 18 | 10 |
| 302918 | 18 | 130 | 90 | 28.5 | 20 | 10 |
| 302920 | 20 | 140 | 100 | 31 | 22 | 10 |
| 302922 | 22 | 150 | 110 | 33.5 | 24 | 10 |
| 302924 | 24 | 170 | 120 | 36 | 26 | 10 |
| 302926 | 26 | 180 | 130 | 39.5 | 29 | 10 |
| 302928 | 28 | 200 | 140 | 42 | 31 | 10 |
| 302932 | 32 | 220 | 160 | 47 | 35 | 10 |
| 302936 | 36 | 250 | 180 | 53 | 40 | 10 |
| 302940 | 40 | 280 | 200 | 58 | 44 | 10 |
| 302944 | 44 | 310 | 220 | 63 | 48 | 10 |
| 302948 | 48 | POA | 240 | 69 | 52 | 10 |

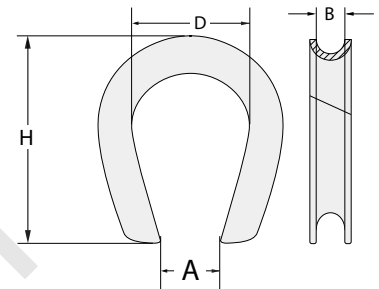
Pre-drilled Solid Thimble



| CODE | SIZE | PRE DRILLED | DIMENSIONS | | | | |
|--------|------|-------------|------------|---------|---------|---------|---------|
| | mm | Hole Size | A mm | B mm | C mm | E mm | W mm |
| 302600 | 16 | 28mm | 110 | 80 | 26 | 18 | 28 |
| 302605 | 18 | 30mm | 130 | 90 | 28.5 | 20 | 31 |
| 302610 | 20 | 30mm | 140 | 100 | 31 | 22 | 38 |
| 302615 | 22 | 32mm | 150 | 110 | 33.5 | 24 | 38 |
| 302620 | 24 | 41mm | 170 | 120 | 36 | 26 | 41 |
| 302625 | 26 | 44mm | 180 | 130 | 39.5 | 29 | 44 |
| 302630 | 28 | 47mm | 200 | 140 | 42 | 31 | 47 |
| 302635 | 32 | 53mm | 220 | 160 | 47 | 35 | 53 |
| 302640 | 36 | 59mm | 250 | 180 | 53 | 40 | 53 |
| 302645 | 40 | 65mm | 280 | 200 | 58 | 44 | 65 |
| 302650 | 44 | 70mm | 310 | 220 | 63 | 48 | 70 |

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.
- FOR LIFTING PURPOSES.

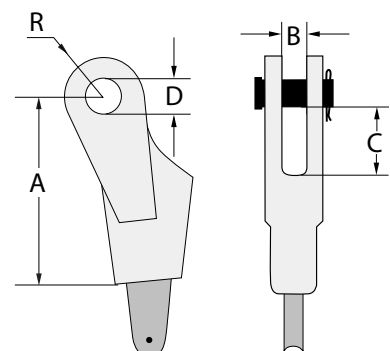


| CODE | SIZE | Weight | DIMENSIONS | | | |
|--------|------|--------|------------|--------|--------|--------|
| | mm | | A (mm) | B (mm) | D (mm) | H (mm) |
| 302810 | 10 | 0.09 | 20 | 12 | 30 | 60 |
| 302812 | 12 | 0.13 | 20 | 16 | 37 | 65 |
| 302816 | 16 | 0.26 | 25 | 20 | 50 | 88 |
| 302820 | 20 | 0.55 | 25 | 24 | 60 | 90 |

Wedged 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.

- Nominated rope sizes from 10mm to 32mm available.
- 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.



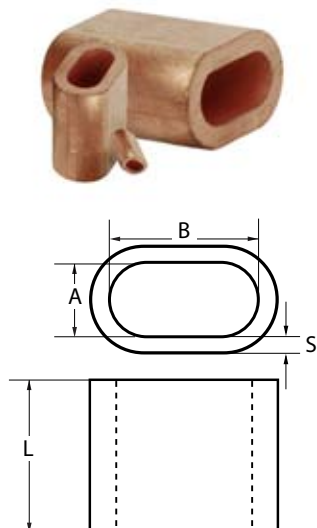
| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------|-------|-------|------------|------|------|------|------|
| | mm | Tonne | | A mm | B mm | C mm | D mm | R in |
| 308010 | 10 | 1.5 | 1 | 120 | 16.5 | 37.7 | 20 | 25 |
| 308012 | 12 | 2 | 1.7 | 155 | 21.3 | 66 | 25 | 30 |
| 308014 | 14 | 2.5 | 2.34 | 185 | 23.5 | 80 | 30 | 35 |
| 308016 | 16 | 3 | 3.27 | 195 | 28.2 | 80 | 34 | 42 |
| 308018 | 18 | 3.5 | 4 | 195 | 28 | 81 | 36 | 44 |
| 308020 | 20 | 5.1 | 5.45 | 220 | 31.9 | 82 | 38 | 50 |
| 308022 | 22 | 5.6 | 6.37 | 240 | 31.9 | 100 | 40 | 52 |
| 308024 | 24 | 6.6 | 8.32 | 260 | 34.3 | 100 | 50 | 60 |
| 308028 | 28 | 9.5 | 13.94 | 305 | 40.2 | 100 | 55 | 70 |
| 308032 | 32 | 12 | 17.94 | 360 | 43.9 | 120 | 65 | 77 |

FERRULES

Copper Ferrules

Austlift Copper type Ferrules made to DIN standard and mainly used for splicing Stainless Steel Wire Rope to form an eye for Wire Rope Slings, Winch cable etc.

- High quality Ferrules and conforms to DIN 3039.
- Copper hydraulic machine press type.
- Sizes from 1.5mm to 16mm.
- For turn-back Wire Rope splicing.
- Stamped with identification mark and size from 8mm onwards.



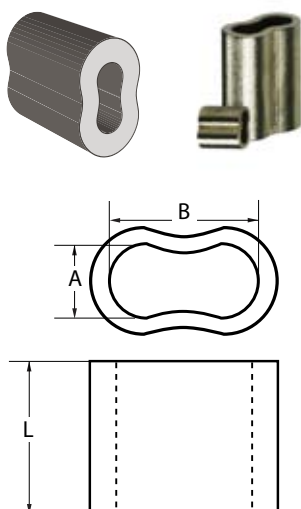
| PRODUCT | DIN | DIMENSIONS | | | |
|---------|------|------------|-----------|-----------|-----------|
| CODE | CODE | A (mm) | B (mm) | S (mm) | L (mm) |
| 304015 | 1.5 | 1.8 | 3.6 | 1.05 | 6 |
| 304020 | 2 | 2.4 | 4.8 | 0.85 | 7 |
| 304025 | 2.5 | 2.7 | 5.4 | 1.1 | 9 |
| 304030 | 3 | 3.3 | 6.6 |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

Nickel Plated Copper Ferrules

(Hand Swaged)

Austlift Copper type hand pressed Ferrules made to DIN standard and mainly used for splicing Stainless Steel Wire Rope to form an eye for Wire Rope Slings, Balustrade etc.

- High quality Ferrules and conforms to DIN 3039.
- Hand pressed type with use of crimping tool.
- Sizes from 1.5mm to 4mm.
- For turn-back Wire Rope splicing.
- Nickel plated to match rope colour .



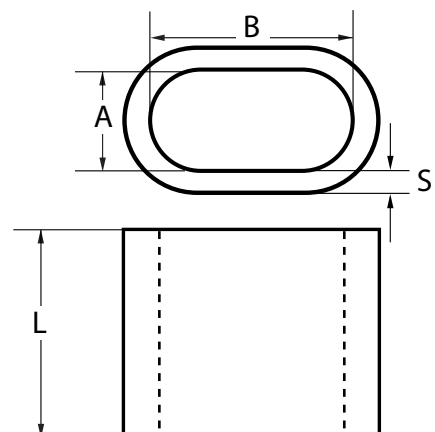
| CODE | SIZE | DIMENSIONS | | |
|--------|------|------------|-----------|-----------|
| | mm | A (mm) | B (mm) | L (mm) |
| 305015 | 1.5 | 1.5 | 4.9 | 8 |
| 305020 | 2 | 2 | 4.9 | 9 |
| 305025 | 2.5 | 2.5 | 6 | 10 |
| 305030 | 3 | 3 | 7.3 | 13 |
| 305035 | 3.5 | 3.5 | 8 | 14 |
| 305040 | 4 | 4 | 9.1 | 16 |

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

| PRODUCT CODE | DIN CODE | DIMENSIONS | | | | N,W (kg) PER 1000 PCS |
|-----------------|-------------|------------|-----------|-----------|-----------|-----------------------------|
| | | A (mm) | B (mm) | S (mm) | L (mm) | |
| 303015 | 1.5 | 1.7 | 3.4 | 0.75 | 6 | 0.211 |
| 303020 | 2 | 2.2 | 4.4 | 0.85 | 7 | 0.375 |
| 303025 | 2.5 | 2.7 | 5.4 | 1.05 | 9 | 0.499 |
| 303030 | 3 | 3.3 | 6.6 | 1.25 | 11 | 0.843 |
| 303035 | 3.5 | 3.8 | 7.6 | 1.5 | 13 | 1.32 |
| 303040 | 4 | 4.4 | 8.8 | 1.7 | 14 | 1.81 |
| 303045 | 4.5 | 4.9 | 9.8 | 1.9 | 16 | 2.61 |
| 303050 | 5 | 5.5 | 11 | 2.1 | 18 | 3.57 |
| 303060 | 6 | 6.6 | 13.2 | 2.5 | 21 | 5.86 |
| 303065 | 6.5 | 7.2 | 14.4 | 2.7 | 23 | 7.55 |
| 303080 | 8 | 8.8 | 17.6 | 3.3 | 28 | 13.7 |
| 303090 | 9 | 9.9 | 19.8 | 3.7 | 32 | 19.8 |
| 303100 | 10 | 10.9 | 21.8 | 4.1 | 35 | 26.4 |
| 303110 | 11 | 12.1 | 24.2 | 4.5 | 39 | 35.8 |
| 303120 | 12 | 13.2 | 26.4 | 4.9 | 42 | 45.8 |
| 303130 | 13 | 14.2 | 28.4 | 5.4 | 46 | 59.7 |
| 303140 | 14 | 15.3 | 30.6 | 5.8 | 49 | 73.5 |
| 303160 | 16 | 17.5 | 35 | 6.7 | 56 | 111 |
| 303180 | 18 | 19.6 | 39.2 | 7.6 | 63 | 156 |
| 303200 | 20 | 21.7 | 43.4 | 8.4 | 70 | 217 |
| 303220 | 22 | 24.3 | 48.6 | 9.2 | 77 | 292 |
| 303240 | 24 | 26.4 | 52.8 | 10 | 84 | 376 |
| 303260 | 26 | 28.5 | 57 | 10.9 | 91 | 481 |
| 303280 | 28 | 31 | 62 | 11.7 | 98 | 603 |
| 303300 | 30 | 33.1 | 66.2 | 12.5 | 105 | 739 |
| 303320 | 32 | 35.2 | 70.4 | 13.4 | 112 | 897 |
| 303340 | 34 | 37.8 | 75.6 | 14.2 | 119 | 1077 |
| 303360 | 36 | 39.8 | 79.6 | 15 | 126 | 1275 |
| 303380 | 38 | 41.9 | 83.8 | 15.8 | 133 | 1503 |
| 303400 | 40 | 44 | 88 | 16.6 | 140 | 1734 |
| 303420 | 42 | 46.2 | 92.4 | 17.5 | 147 | 2024 |
| 303440 | 44 | 48.4 | 96.8 | 18.3 | 154 | 2314 |
| 303460 | 46 | 50.6 | 101.2 | 19.2 | 161 | 2662 |
| 303480 | 48 | 52.8 | 105.6 | 20 | 168 | 3010 |
| 303520 | 52 | 57.2 | 114 | 21.6 | 182 | 3813 |
| 303540 | 54 | 59.4 | 118 | 22.5 | 189 | 4293 |

Austlift Aluminum type Ferrules made to DIN standard and mainly used for splicing steel Wire Rope to form an eye for Wire Rope Slings, Winch Cable etc.

- High quality Ferrules and conforms to DIN 3039.
- Aluminum hydraulic machine press type.
- Sizes from 1.5mm to 54mm.
- For turn-back Wire Rope splicing.
- Stamped with identification mark and size from 8mm onwards.

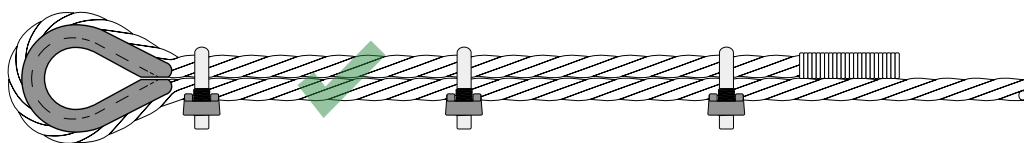


WARNING

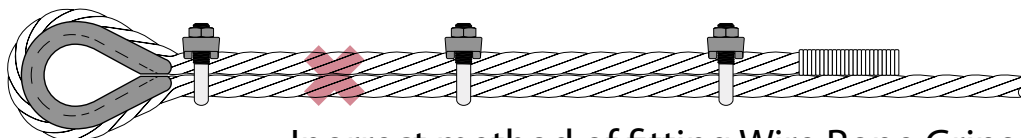

- Failure to read, understand, and follow these instructions may cause death or serious injury.
- Read and understand these instructions before using Ferrules.
- Match the same size Ferrules to the same size Wire Rope as per chart below.
- Do not use with plastic coated Wire Rope. Strip plastic coating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

FERRULES SELECTION CHART

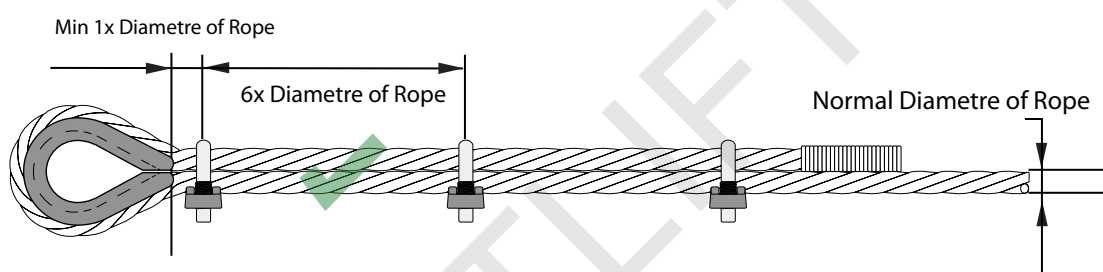
| Wire Rope | | | Case1 | Case2 | Case3 |
|------------------|---------------|-------------|--|--|--|
| Nominal diameter | Measured from | Measured to | Single layer round strand with fibre core & cable laid rope. | Single layer round strand ropes with wire core & non-rotating rope | Single layer round strand ropes with wire core non-rotating rope & parallel closed rope. |
| mm | mm | 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 | 6.4 | 6 | 6.5 | 7 |
| 6.5 | 6.5 | 6.9 | 6.5 | 7 | 8 |
| 7 | 7 | 7.4 | 7 | 8 | 9 |
| 8 | 7.5 | 7.9 | 8 | 9 | 9 |
| 8 | 8 | 8.4 | 8 | 9 | 10 |
| 9 | 8.5 | 8.9 | 9 | 10 | 10 |
| 9 | 9 | 9.5 | 9 | 10 | 11 |
| 10 | 9.6 | 9.9 | 10 | 11 | 11 |
| 10 | 10 | 10.5 | 10 | 11 | 12 |
| 11 | 10.6 | 10.9 | 11 | 12 | 12 |
| 11 | 11 | 11.6 | 11 | 12 | 13 |
| 12 | 11.7 | 11.9 | 12 | 13 | 13 |
| 12 | 12 | 12.6 | 12 | 13 | 14 |
| 13 | 12.7 | 12.9 | 13 | 14 | 14 |
| 13 | 13 | 13.7 | 13 | 14 | 16 |
| 14 | 13.8 | 13.9 | 14 | 16 | 16 |
| 14 | 14 | 14.7 | 14 | 16 | 18 |
| 16 | 14.8 | 15.9 | 16 | 18 | 18 |
| 16 | 16 | 16.8 | 16 | 18 | 20 |
| 18 | 16.9 | 17.9 | 18 | 20 | 20 |
| 18 | 18 | 18.9 | 18 | 20 | 22 |
| 20 | 19 | 19.9 | 20 | 22 | 22 |
| 20 | 20 | 21 | 20 | 22 | 24 |
| 22 | 21.1 | 21.9 | 22 | 24 | 24 |
| 22 | 22 | 23.1 | 22 | 24 | 26 |
| 24 | 23.2 | 23.9 | 24 | 26 | 26 |
| 24 | 24 | 25.2 | 24 | 26 | 28 |



Correct method of fitting Wire Rope Grips



Inorrect method of fitting Wire Rope Grips



ATTACHMENT OF WIRE-ROPE GRIPS

| Nominal size of wire-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 | See Note 2 |
| 52 | 32 | 8 | |
| 56 | 32 | 8 | |
| 60 | 32 | 9 | |
| 64 | 32 | 9 | |
| 70 | 32 | 10 | |
| 75 | 38 | 10 | |

ATTACHMENT OF WIRE-ROPE GRIPS

Refer to Table 1 in following these instructions. Turn back specified amount of rope from Thimble or loop. Apply first clip 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, alternate from one nut to the other until reaching the recommended torque

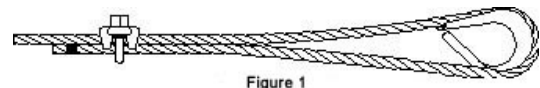


Figure 1

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

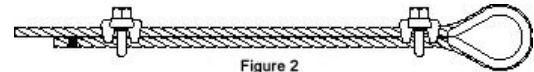


Figure 2

When three or more clips are required, space additional clips equally between 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

The preferred method of splicing two Wire Ropes together is to use interlocking turn back eyes with Thimbles, using the recommended number of clips on each eye (See Figure 5).



Figure 5

An alternate method is to use twice the number of clips 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 clips should be installed on each dead end (See Figure 6). Spacing, installation torque, and other instructions still apply

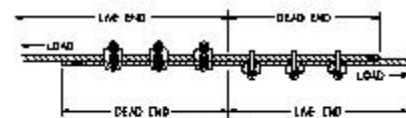


Figure 6

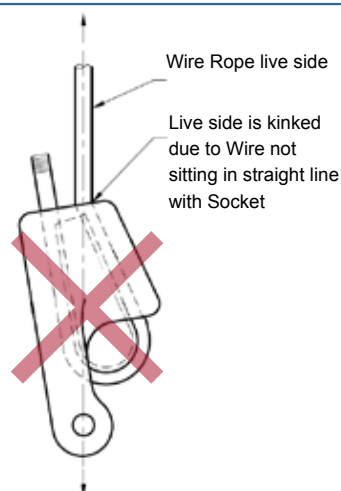
IMPORTANT

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

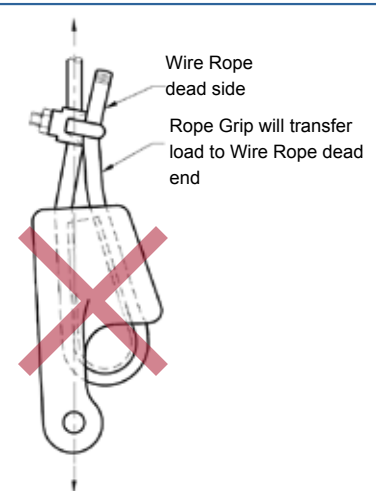


Incorrect methods for fitting Wedge Sockets to Wire Ropes



Wire Rope live side

Live side is kinked due to Wire not sitting in straight line with Socket

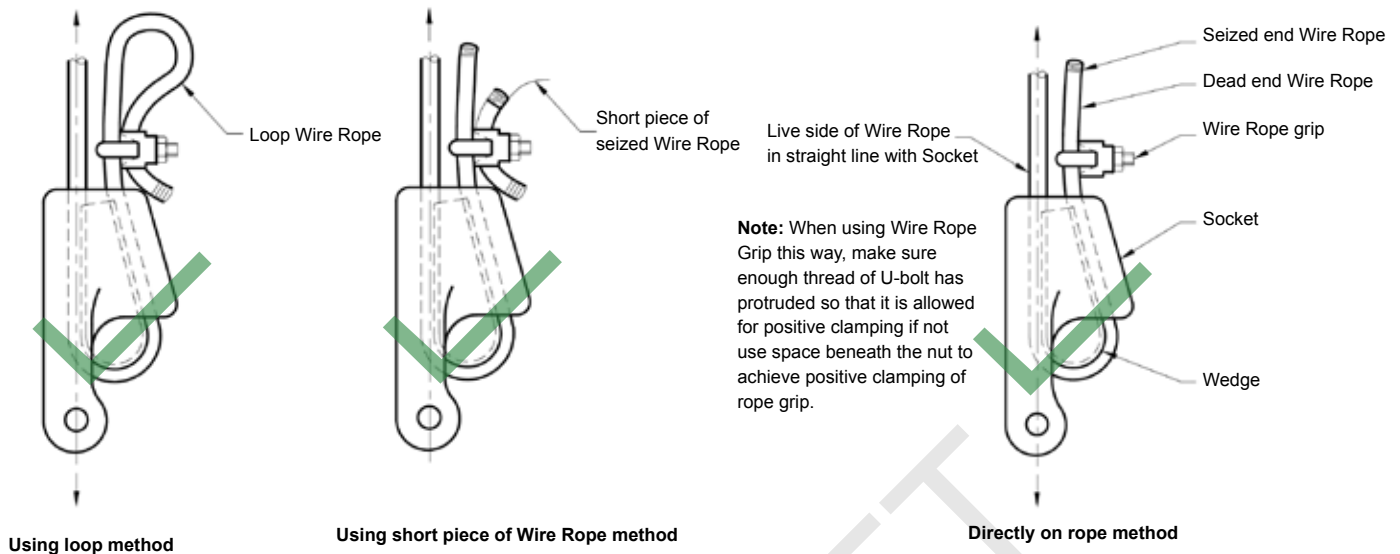


Wire Rope dead side

Rope Grip will transfer load to Wire Rope dead end

WEDGED SOCKET INFORMATION

Wedge Socket Safety Installation



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 catalog 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.



- 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.

AUSTLIFT

SYDNEY

43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE

47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH

Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE

7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

TURN BUCKLES

AUSTLIFT



 **AUSTLIFT®**

1300 100 120
WWW.AUSTLIFT.COM.AU

Contents

| | |
|---|-----|
| <i>Turnbuckle Inspection Before Use</i> | 109 |
| <i>Austlift Turnbuckles Features</i> | 111 |
| <i>Hook & Eye, Cast Type</i> | 112 |
| <i>Commercial Turnbuckles</i> | 112 |
| <i>Forged Turnbuckles</i> | 113 |
| <i>Hook & Eye, Forged</i> | 113 |
| <i>Eye & Eye, Forged</i> | 113 |
| <i>Fencing Turnbuckles, Forged</i> | 114 |
| <i>Stub & Stub, Forged</i> | 114 |
| <i>Wire Strainer</i> | 115 |
| <i>Rated Turnbuckle</i> | 116 |
| <i>Rigging Screw</i> | 117 |



It is recommend that a competent person conduct the above checking of Turnbuckles & Rigging Screws and withdraw from service, if any of the above defects are found and cannot be rectified.

With clevis end fittings ensure that the nut, bolt and split pin are in sound condition and free from any defects

Make sure that threads are visible in the observation holes on both sides.

Ensure that all relevant markings are correctly stamped and legible to read.

Ensure that end fittings are free from distortion, nicks, gouges, cracks, and corrosion

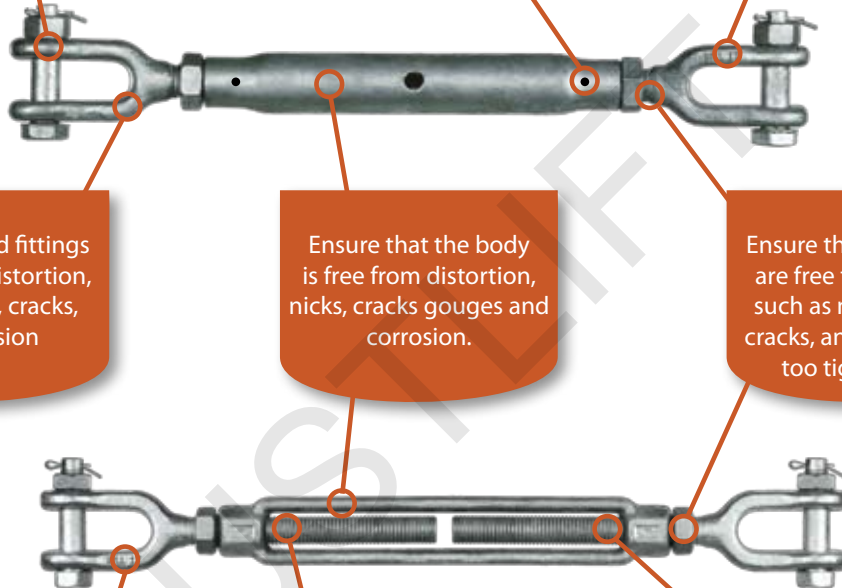
Ensure that the body is free from distortion, nicks, cracks gouges and corrosion.

Ensure that the threads are free from damage such as nicks, gouges, cracks, and corrosion or too tight to turn.

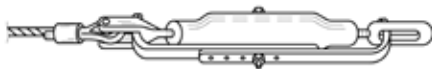
Ensure that all relevant markings are correctly stamped and legible to read.

Ensure the threads are lubricated regularly with appropriate lubricant.

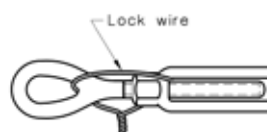
When fully extended ensure that the threads protrude no less than the diameter of nominated size.



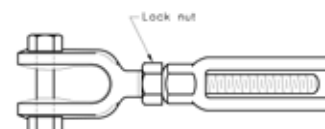
Recommended Turnbuckle locking methods



(a) Pair of plates



(b) Wire



(c) Lock nut

Turnbuckles & Rigging Screws are used in lifting, tensioning and staying systems to make adjustment to the length of the systems.

TYPES

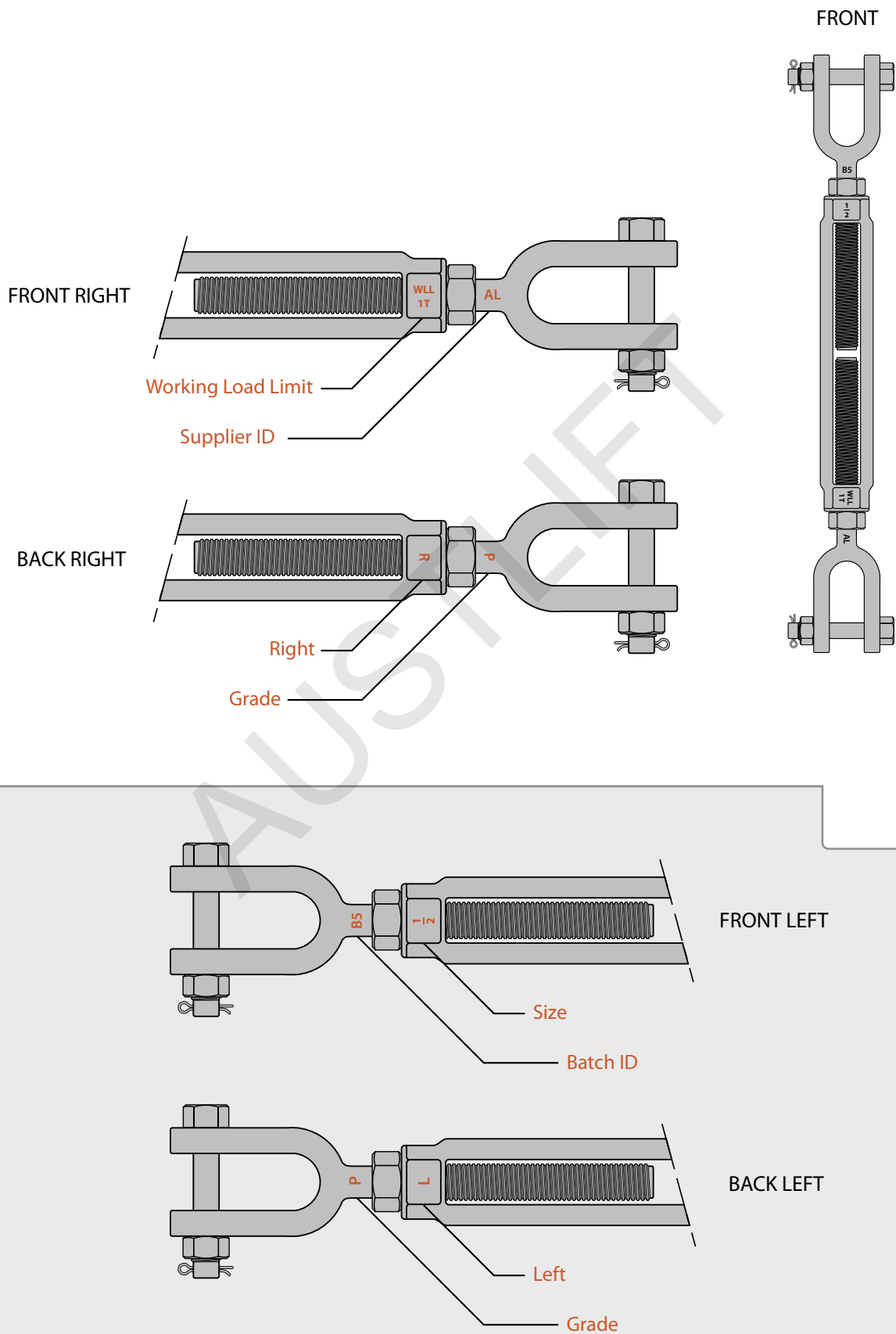
Non-rated Commercial Turnbuckles generally have combinations on end fittings such as eye & eye, hook & eye, stub & stub and hook & hook to tension commercial fittings, Wire Rope assemblies and alike, also available are special purpose buckles for the fencing industries. The most common buckles are made from cast or forged steel in galvanized finish therefore under any circumstance are not to be used for lifting and/or high tension applications.

Rated Rigging Screws generally have elongated eyes or clevis end fittings for connection to Shackles, Wire Rope assemblies, Anchor Points and the like. Rigging Screw bodies are formed from tubular sections of steel and can have an almost infinite size range and length adjustment. Size and adjustment of Rigging Screws is limited by the available end fittings. The tubular body provides a reservoir for lubricates such as grease which gives the screw an advantage in corrosive applications.

Rated Turnbuckles have the same applications as Rigging Screws, but have a generally smaller size range and shorter adjustment. The advantages of a Turnbuckle is they have a greater ability to be tightened under load as well as providing means for locking while in service.

CARE & USE

1. Make sure that the correct Turnbuckle or Rigging Screw is selected for intended use and application.
2. Where components are connected to Turnbuckle or Rigging Screw ensure they do not bind and freely articulate so that the system can sit in a straight line when tension is applied .
3. When tensioning the body of a Turnbuckle or Rigging Screw ensure that both end terminals and fittings do not rotate .
4. Do not tension Turnbuckles or Rigging Screws beyond the specified rating especially smaller sizes.
5. Turnbuckles and Rigging Screws are not designed for continuous adjustment under rated load conditions therefore wear on the threads should be considered if used in this way.
6. Locknuts, fitted to the ends of the body, are a method of locking, but may not provide positive or reliable locking under all circumstances therefore should inspected regularly.
7. High temperatures affect the WLL of the Turnbuckle and Rigging Screw therefore the working load limit should be reduced by 0-200C no reduction, 10% for temperatures between 200-300C, 25% for temperatures between 300-400C, Do not use if for temperatures over 400C. Extremely low temperature applications may present a high risk of failure while loaded below the WLL.
8. Threads should be protected from corrosion by effective means.
9. Turnbuckles and Rigging Screws should be inspected periodically by a competent person



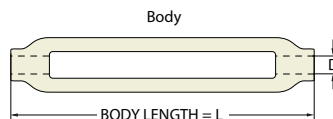
COMMERCIAL TURNBUCKLES



NOT FOR LIFTING APPLICATIONS

Eye & Eye, Cast Type

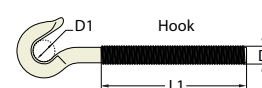
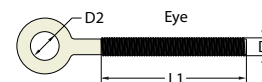
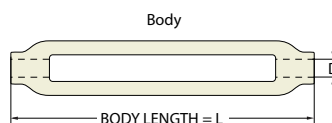
- Used in conjunction with Wire Rope assemblies etc for light duty tensioning applications.
- Manufactured from malleable cast steel in zinc plated finish
- Eye and eye end fittings for intended applications.
- Sizes available from 5mm to 25mm.
- NOT FOR LIFTING APPLICATIONS



| CODE | SIZE | Wt. | DIMENSIONS | | | |
|--------|------|-------|------------|----------|---------|----------|
| | mm | | L mm | L1 mm | D mm | D2 mm |
| 401005 | 5 | 0.048 | 70 | 32 | 5 | 8 |
| 401006 | 6 | 0.067 | 80 | 35 | 6 | 9 |
| 401008 | 8 | 0.13 | 105 | 50 | 8 | 11 |
| 401010 | 10 | 0.23 | 130 | 62 | 10 | 16 |
| 401012 | 12 | 0.35 | 140 | 65 | 12 | 18 |
| 401016 | 16 | 0.90 | 178 | 88 | 16 | 24 |
| 401020 | 20 | 1.43 | 215 | 110 | 20 | 28 |
| 401022 | 22 | 2.10 | 240 | 120 | 22 | 32 |
| 401025 | 24 | 2.62 | 255 | 135 | 24 | 36 |

Hook & Eye, Cast Type

- Used in conjunction with Wire Rope assemblies etc for light duty tensioning applications.
- Manufactured from malleable cast steel in zinc plated finish
- Hook and eye end fittings for intended applications.
- Sizes available from 5mm to 24mm.
- NOT FOR LIFTING APPLICATIONS.

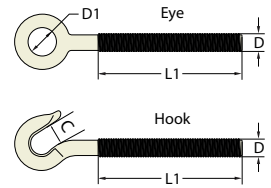
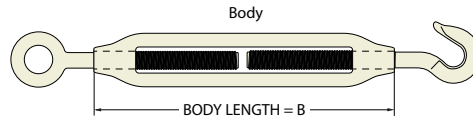


| CODE | SIZE | Wt. | DIMENSIONS | | | | |
|--------|------|-------|------------|----------|----------|---------|----------|
| | mm | | D mm | D1 mm | D2 mm | L mm | L1 mm |
| 402005 | 5 | 0.034 | 5 | 7 | 8 | 70 | 32 |
| 402006 | 6 | 0.052 | 6 | 8 | 9 | 80 | 35 |
| 402008 | 8 | 0.098 | 8 | 10 | 11 | 105 | 50 |
| 402010 | 10 | 0.226 | 10 | 16 | 16 | 130 | 62 |
| 402012 | 12 | 0.338 | 12 | 18 | 18 | 140 | 65 |
| 402016 | 16 | 0.898 | 16 | 24 | 24 | 178 | 88 |
| 402020 | 20 | 1.595 | 20 | 28 | 28 | 215 | 110 |
| 402022 | 22 | 2.18 | 22 | 32 | 32 | 240 | 120 |
| 402025 | 24 | 2.8 | 24 | 36 | 36 | 255 | 135 |

FORGED TURNBUCKLES

NOT FOR LIFTING APPLICATIONS
Hook & Eye, Forged

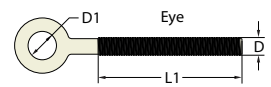
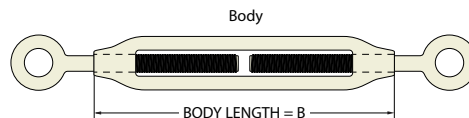
- Suitable for outdoor use in conjunction with Wire Rope assemblies etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanized finish
- Hook and eye end fittings for intended applications.
- Sizes available from 6mm to 32mm.
- NOT FOR LIFTING APPLICATIONS


Hook & Eye


| CODE | SIZE | Wt. | DIMENSIONS | | | | |
|--------|------|------|------------|---------|----------|---------|----------|
| | mm | | B mm | D mm | D1 mm | C mm | L1 mm |
| 403006 | 6 | 0.1 | 100 | 6 | 11 | 8 | 48 |
| 403008 | 8 | 0.18 | 125 | 8 | 14 | 10 | 58 |
| 403010 | 10 | 0.31 | 150 | 10 | 18 | 13 | 70 |
| 403012 | 12 | 0.55 | 200 | 12 | 19 | 14 | 95 |
| 403016 | 16 | 1.1 | 250 | 16 | 24 | 18 | 105 |
| 403020 | 20 | 1.94 | 300 | 20 | 26.5 | 22 | 130 |
| 403022 | 22 | 2.64 | 330 | 22 | 34 | 24 | 165 |
| 403025 | 25 | 4 | 350 | 25 | 37 | 26 | 190 |
| 403028 | 28 | 6 | 350 | 28 | 38 | 29 | 160 |
| 403032 | 32 | 10 | 400 | 32 | 38 | 33 | 200 |

Eye & Eye, Forged

- Suitable for outdoor use in conjunction with Wire Rope assemblies etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanized finish
- Eye and eye end fittings for intended applications.
- Sizes available from 6mm to 28mm.
- NOT FOR LIFTING APPLICATIONS


Eye & Eye


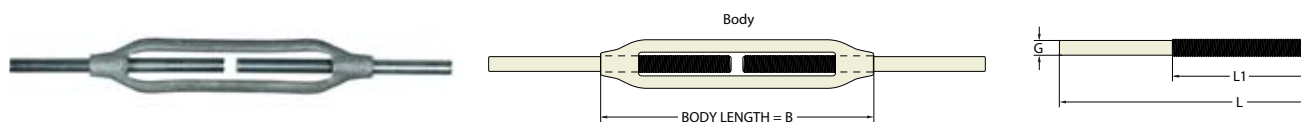
| CODE | SIZE | Wt. | DIMENSIONS | | | |
|--------|------|------|------------|---------|----------|----------|
| | mm | | B mm | D mm | D1 mm | L1 mm |
| 404006 | 6 | 0.1 | 100 | 6 | 11 | 48 |
| 404008 | 8 | 0.18 | 125 | 8 | 14 | 58 |
| 404010 | 10 | 0.31 | 150 | 10 | 18 | 70 |
| 404012 | 12 | 0.55 | 200 | 12 | 19 | 95 |
| 404016 | 16 | 1.1 | 250 | 16 | 24 | 105 |
| 404020 | 20 | 1.94 | 300 | 20 | 26.5 | 130 |
| 404022 | 22 | 2.64 | 330 | 22 | 34 | 165 |
| 404025 | 25 | 4 | 350 | 24 | 37 | 190 |
| 404028 | 28 | 6 | 350 | 27 | 38 | 160 |

TURNBUCKLES


NOT FOR LIFTING APPLICATIONS

Stub & Stub, Forged

- Stub ends allow the flexibility to be welded and customize complicated systems.
- Manufactured from heavy duty forged steel body in hot dipped galvanized finish.
- Available in zinc or black finish stub ends.
- Sizes available from 10mm to 32mm.
- NOT FOR LIFTING APPLICATIONS



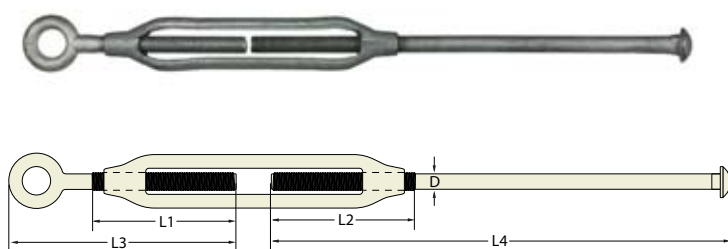
*Maximum adjustment = B-2A

| CODE | | SIZE | Wt. | DIMENSIONS | | | |
|--------|---------|------|-------|------------|---------|---------|----------|
| ZINC | BLACK | mm | kg/pc | B mm | D mm | L mm | L1 mm |
| 405010 | 405010B | 10 | 0.31 | 150 | 8.9 | 130 | 75 |
| 405012 | - | 12 | 0.55 | 200 | 10.68 | 150 | 100 |
| 405016 | - | 16 | 1.1 | 250 | 14.5 | 180 | 125 |
| 405020 | - | 20 | 1.94 | 300 | 18.1 | 220 | 150 |
| 405022 | 405022B | 22 | 3 | 330 | 20.1 | 250 | 165 |
| 405025 | 405025B | 25 | 4 | 350 | 21.7 | 270 | 175 |
| 405028 | 405028B | 28 | 5.5 | 350 | 25.8 | 290 | 190 |
| 405032 | - | 32 | 7 | 400 | 28.85 | 300 | 200 |


NOT FOR LIFTING APPLICATIONS

Fencing Turnbuckles, Forged

- Suitable for outdoor use in conjunction with fence posts etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanized finish in cup head bolt and eye end fittings for intended applications.
- NOT FOR LIFTING APPLICATIONS

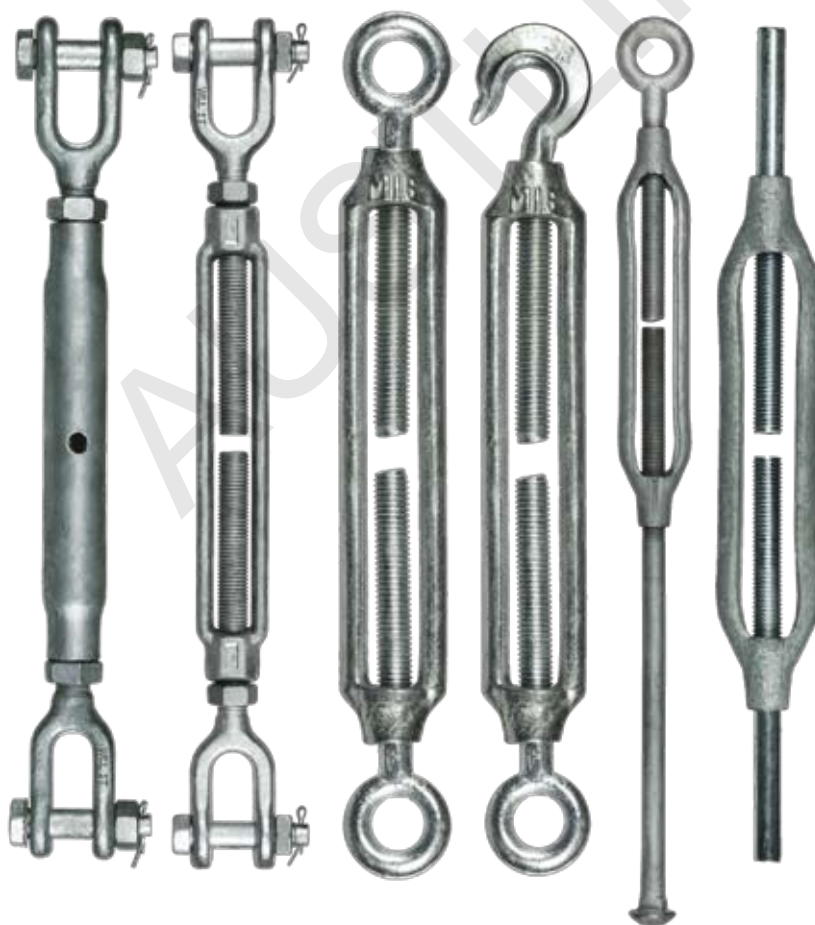
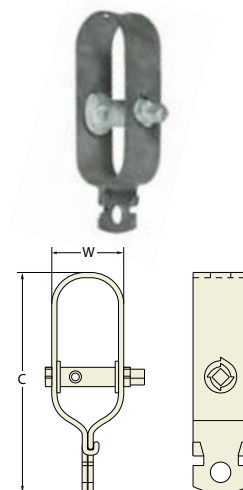


| CODE | SIZE | Wt. | DIMENSIONS | | | |
|--------|------|-------|------------|----------|----------|----------|
| | mm | kg/pc | L1 mm | L2 mm | L3 mm | L4 mm |
| 405035 | 16 | 1.3 | 120 | 130 | 190 | 370 |

Self locking teeth on both sides of frame for firm & quick straining
 Hot dip galvanized for outdoor application.
 NOT FOR LIFTING APPLICATIONS.

| CODE | Wire Rope SIZE | Wt. kg/pc | DIMENSIONS | |
|---------|----------------|--------------|------------|--------|
| | mm | | B (mm) | L (mm) |
| 405040* | 6 | 0.2 | 42 | 127 |

*Deleted stock line available until sold out.

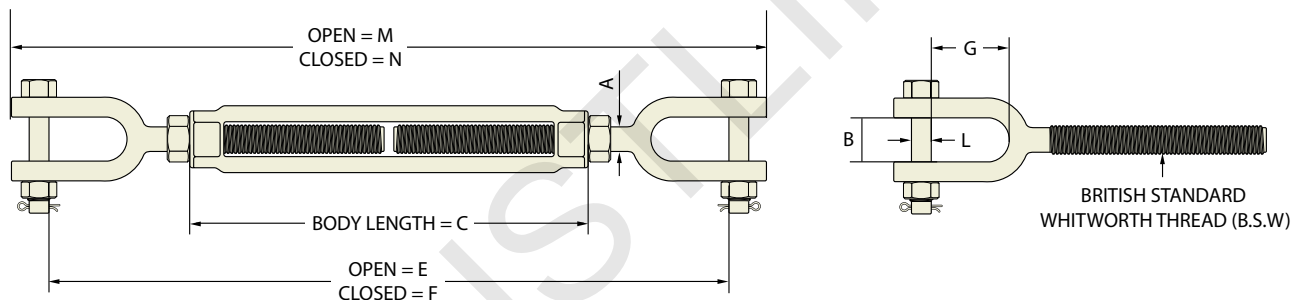


**When you choose Austlift™
 You choose quality.**

Rated Turnbuckle

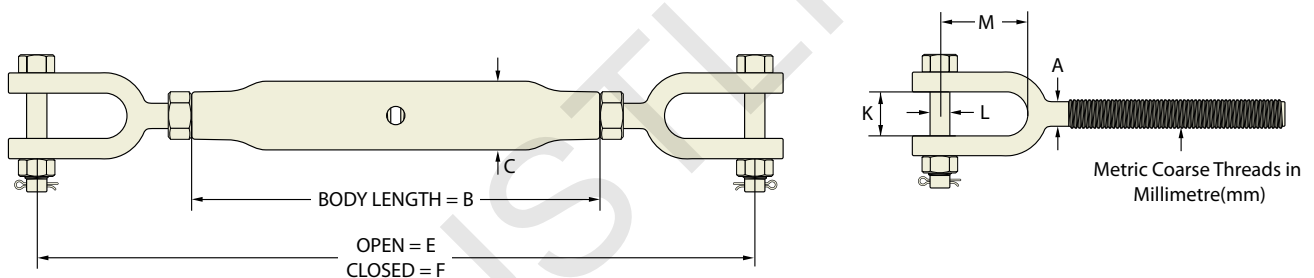
Jaw/Jaw

- Generally used for straight or in line tensioning in conjunction with Wire Rope and or Chain assemblies when heavy duty straining and lifting applications are required.
- Manufactured from **Grade P** high tensile material quenched and tempered hot dipped galvanized finish suitable for outdoor use available in imperial sizing and jaw end fittings with Lock Nuts.
- Meets the design requirements of : Federal Specifications FF-T-791 Type1 Form1 Class
- Proof tested to 2 x WLL and Minimum Break Force is 5 x WLL
- Test certificates available upon request
- Suitable for industrial lifting purposes.



| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | | | | |
|---------|------------|------|-------|------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | mm,inch | T | kg/pc | A mm | B mm | C mm | E mm | F mm | G mm | M mm | N mm | L mm |
| 406010 | 10, 3/8" | 0.54 | 0.37 | 9.65 | 12.7 | 152 | 410 | 258 | 22.1 | 441 | 289 | 8 |
| 406012 | 12, 1/2" | 1 | 0.71 | 12.7 | 16 | 152 | 470 | 292 | 26.9 | 508 | 330 | 10 |
| 406016 | 16, 5/8" | 1.59 | 1.56 | 16 | 19 | 229 | 662 | 401 | 33.3 | 715 | 454 | 13 |
| 406016C | 16, 5/8" | 1.59 | 1.23 | 16 | 19 | 152 | 509 | 325 | 3.3 | 562 | 378 | 13 |
| 406020 | 20, 3/4" | 2.36 | 2.98 | 19.1 | 23.4 | 305 | 851 | 508 | 38.1 | 917 | 574 | 16 |
| 406022 | 22, 7/8" | 3.27 | 3.71 | 22.4 | 28.7 | 305 | 892 | 543 | 44.5 | 967 | 618 | 19 |
| 406025 | 25, 1" | 4.54 | 5.53 | 25.4 | 30 | 305 | 933 | 577 | 52.5 | 1018 | 662 | 22.5 |
| 406032 | 32, 1 1/4" | 6.89 | 9.36 | 31.8 | 44.5 | 305 | 1012 | 644 | 71.5 | 1119 | 750 | 28 |
| 406038 | 38, 1 1/2" | 9.71 | 13.9 | 38.1 | 52 | 305 | 1054 | 673 | 71.5 | 1181 | 800 | 35 |
| 406045 | 45, 1 3/4" | 12.7 | 24.5 | 44.5 | 60 | 457 | 1356 | 899 | 86 | 1503 | 1046 | 41 |
| 406051 | 51, 2" | 16.8 | 42.8 | 51 | 63.5 | 610 | 1766 | 1157 | 93.5 | 1949 | 1339 | 50.8 |
| 406064 | 64, 2 1/2" | 27.2 | 75 | 63.5 | 73 | 610 | 1854 | 1244 | 113 | 2087 | 1478 | 57 |

- Generally used for straight or in line tensioning in conjunction with Wire Rope and or Chain assemblies when heavy duty straining and lifting applications are required.
- Manufactured from **Grade L/P** high tensile material quenched and tempered hot dipped galvanized finish suitable for outdoor use available in metric sizing and jaw end fittings with lock nuts.
- Meets the design requirements of AS2319 Proof tested to 2 x WLL and Minimum Break Force is 6 x WLL
- Test certificates available upon request.
- Suitable for industrial lifting purposes.



| CODE | | SIZE | WLL | Wt. | DIMENSIONS | | | | | | | |
|---------|---------|------|----------|-------|------------|------|------|------|------|------|------|------|
| Grade P | Grade L | mm | T P / L | kg/pc | A mm | B mm | C mm | E mm | F mm | K mm | M mm | L mm |
| 407010 | 407010L | 10 | 0.6/0.3 | 0.48 | 10 | 152 | 21 | 349 | 235 | 11 | 21 | 8 |
| 407012 | 407012L | 12 | 1/0.5 | 0.98 | 12 | 229 | 25 | 524 | 343 | 19 | 35 | 10 |
| 407016 | 407016L | 16 | 1.6/0.75 | 1.4 | 16 | 229 | 27 | 550 | 361 | 22 | 51 | 12 |
| 407020 | 407020L | 20 | 2.5/1.25 | 2.3 | 20 | 229 | 34 | 550 | 387 | 22 | 48 | 16 |
| 407024 | 407024L | 24 | 4/2.5 | 4.85 | 24 | 356 | 42 | 822 | 556 | 32 | 65 | 22 |
| 407027 | 407027L | 27 | 5/3 | 5.75 | 27 | 356 | 45 | 822 | 559 | 32 | 65 | 22 |
| 407033 | 407033L | 33 | 8/5 | 8.08 | 33 | 381 | 51 | 872 | 604 | 38 | 76 | 24 |
| 407039 | 407039L | 39 | 10/6 | 13.5 | 39 | 407 | 57 | 949 | 670 | 47 | 90 | 32 |
| 407048 | 407048L | 48 | 16/10 | 23 | 48 | 407 | 76 | 977 | 743 | 51 | 121 | 42 |

AUSTLIFT

SYDNEY

43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE

47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH

Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE

7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

SHACKLES

AUSTLIFT



1300 100 120
WWW.AUSTLIFT.COM.AU

Contents

| | |
|---|-----|
| <i>Shackle Inspection Before Use</i> | 122 |
| <i>Commercial Galvanised Bow Shackle</i> | 123 |
| <i>Commercial Galvanised Dee Shackle</i> | 123 |
| <i>Grade M Shackle</i> | 124 |
| <i>Special Purpose Shackle</i> | 124 |
| <i>Grade 'S' Shackle, Dee Type, Gold Screw Pin</i> | 125 |
| <i>Grade 'S' Shackle, Bow Type, Gold Screw Pin</i> | 125 |
| <i>Grade 'S' Shackle, Dee Type, Gold Safety Pin</i> | 126 |
| <i>Grade 'S' Shackle, Bow Type, Gold Safety Pin</i> | 127 |



General

Shackles are used in lifting static systems as detachable connecting links for Chain, lifting devices, Wire Rope and other fittings.

Shackle Types

The most common types of Shackle is Grade M Large Dee and Grade S Dee and Bow encountered in the general lifting industries.

Most common Grade S Shackle Pins come in Safety Pin and Screw Pin although there are other types of pin configurations available. For non-permanent applications Screw Pin Shackles are generally used where as a Safety Pin Shackle is recommended for long-term uses where the pin of the Safety Shackle may rotate during loading.

Care & Use

1. When using a Screw Pin Shackle ensure that the pin is firmly screwed into the Shackle eye and that the pin collar is fully seated onto the Shackle eye.
2. Check that the pin is of the correct length so that the thread is fully engaged in the screwed eye and allows the collar of the pin to be fully seated on the surface of the Shackle eye.
3. If you find that the Shackle pin does not seat properly, this is an indication that the pin may be bent, the mating thread is incorrect or the pin holes are not aligned correctly.
4. The original Shackle pin is specially designed for the WLL of the Shackle, therefore, never replace it with a bolt as the bolt may not be suited to the WLL of the Shackle.
5. With a Safety Pin Shackle never use it unless the nut is fully secured and split pin in place.
6. Make sure the correct Shackle is selected for the intended use and application. Never allow a Shackle to be loaded along its centre line. Shackles should never be loaded in a manner that will cause bending of the body.
7. Ensure the load is on the centre of the pin this can be achieved by placing loose spacers on either side of the Shackle pin or use a smaller jaw width Shackle of a similar load rated capacity.
8. Make sure the correct calculations are used to ensure the correct load capacity for angular loading of the Shackle.
9. High temperatures affect the WLL of the Shackle therefore the working load limit should be reduced by
 - 10% for temperatures between 200 & 300°C,
 - 25% for temperatures between 300 & 400°C
 Grade S Shackles should never be used at all for temperatures above 400°C.
10. Never attempt to weld or apply heat to Shackles



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

SHACKLE INSPECTION BEFORE USE

Shackles in use should be subject to periodic thorough examination by a competent person. The period between each examination will depend upon amount of use

Maximum wear allowance must not exceed 10% of the original Shackle dimensions.

Ensure the correct type of pin is used and is fully engaged into the Shackle body.

Ensure all markings are legible & clear to read

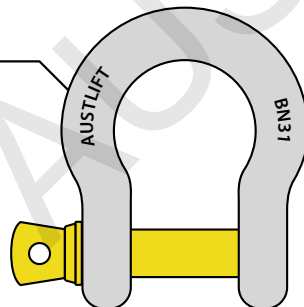
Make sure the threads are in good order on both pin and body for Screw Pin. For Safety Pin ensure that nut and split pin are in good condition.

Ensure the Shackle is free from corrosion, cracks, nicks, gouges, distortion and excessive wear

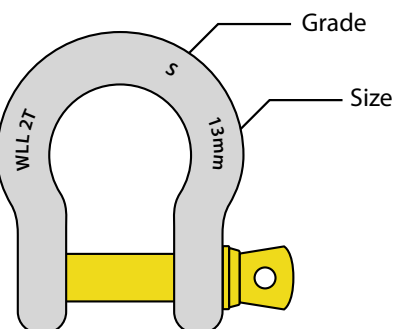


Supplier I.D.

Producer Batch I.D



Working Load Limit



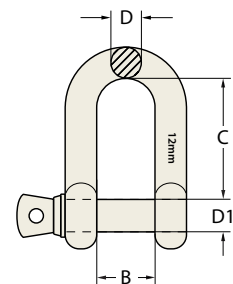
- Austlift's Shackle identification marks
- Working load limit (WLL)
 - Manufactures identification mark.
 - Grade of Shackle material
 - Batch mark for traceability
 - Size to correlate to body diameter
 - As to AS 2741 requirements

**NOT FOR LIFTING APPLICATIONS**

Austlift commercial Grade Large Dee Shackles have been used in domestic, mining and any other industrial applications.

- Shaped in a Dee pattern, they come with Screw Pin, made from mild steel material in hot dipped galvanized.
- NOT FOR LIFTING APPLICATIONS.

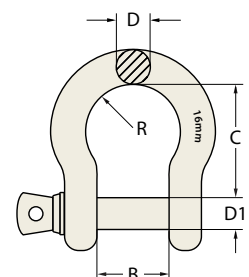
| CODE | SIZE | WEIGHT | B | D | D1 | C |
|--------|------|--------|----|----|----|----|
| Nº | mm | kg | mm | mm | mm | mm |
| 501005 | 5 | 0.015 | 10 | 5 | 5 | 19 |
| 501006 | 6 | 0.025 | 12 | 6 | 6 | 24 |
| 501008 | 8 | 0.054 | 16 | 8 | 8 | 32 |
| 501010 | 10 | 0.109 | 20 | 10 | 10 | 40 |
| 501012 | 12 | 0.205 | 25 | 12 | 12 | 48 |
| 501016 | 16 | 0.48 | 32 | 16 | 16 | 64 |
| 501020 | 20 | 0.815 | 38 | 20 | 20 | 76 |
| 501022 | 22 | 1.285 | 44 | 22 | 22 | 85 |
| 501025 | 25 | 1.866 | 25 | 25 | 24 | 95 |

**Commercial Galvanised Bow Shackle****NOT FOR LIFTING APPLICATIONS**

Austlift commercial Grade Large Bow Shackles have been used in domestic, mining and any other industrial applications.

- Shaped in a Bow pattern, they come with Screw Pin, made from mild steel material in hot dipped galvanized.
- NOT FOR LIFTING APPLICATIONS.

| CODE | SIZE | WEIGHT | B | D | DIMENSIONS | | |
|--------|------|--------|----|----|------------|------|----|
| Nº | mm | kg | mm | mm | D1 | C | 2R |
| | | | | | mm | mm | mm |
| 501505 | 5 | 0.0143 | 10 | 5 | 5 | 19.5 | 15 |
| 501506 | 6 | 0.026 | 12 | 6 | 6 | 24 | 18 |
| 501508 | 8 | 0.054 | 16 | 8 | 8 | 32 | 24 |
| 501510 | 10 | 0.118 | 20 | 10 | 10 | 40 | 30 |
| 501512 | 12 | 0.225 | 25 | 12 | 12 | 49 | 36 |
| 501516 | 16 | 0.51 | 32 | 16 | 16 | 64 | 48 |
| 501520 | 20 | 0.86 | 38 | 19 | 20 | 80 | 60 |
| 501522 | 22 | 1.35 | 44 | 22 | 22 | 85 | 66 |
| 501525 | 25 | 2.05 | 50 | 25 | 24 | 100 | 75 |



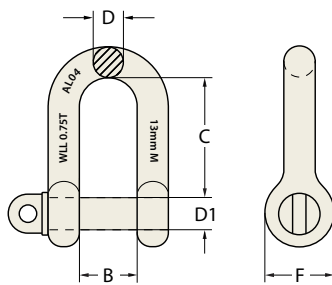
Grade M Shackle



Galvanised Self colour

Austlift Grade M Dee Shackle are used where larger dimensional Shackle is required for specific applications. Also ideal for the Marine, Agricultural & general industrial uses.

- Grade M Shackle is manufactured to comply in accordance with Australian standard AS2741.
- Made from Grade 40 alloy steel larger Dee shape with Screw Pin available in black or hot dipped galvanized finish.
- Suitable for lifting applications.



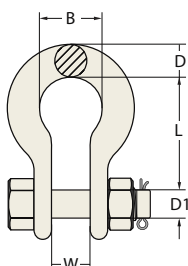
| CODE | SIZE | WLL | WEIGHT | DIMENSIONS | | | | | |
|---------------|----------|-----|--------|------------|------|------|------|-------|------|
| Nº Galvanised | Nº Black | mm | T | kg | B mm | C mm | D mm | D1 mm | F mm |
| 502006 | 502506 | 6 | 0.25 | 0.062 | 13 | 25 | 6 | 10 | 19 |
| 502010 | 502510 | 10 | 0.5 | 0.164 | 19 | 38 | 10 | 13 | 25 |
| 502013 | 502513 | 13 | 0.75 | 0.353 | 28 | 54 | 13 | 16 | 32 |
| 502016 | 502516 | 16 | 1.5 | 0.66 | 32 | 63 | 16 | 19 | 38 |
| 502019 | 502519 | 19 | 2.0 | 1.13 | 38 | 73 | 19 | 22 | 44 |
| 502022 | 502522 | 22 | 3.0 | 1.53 | 44 | 83 | 22 | 25 | 51 |
| 502025 | 502525 | 25 | 3.8 | 2.16 | 51 | 95 | 25 | 29 | 57 |
| 502029 | 502529 | 29 | 5.0 | 3.07 | 54 | 105 | 29 | 32 | 63 |
| 502032 | 502532 | 32 | 6.0 | 4.2 | 60 | 114 | 32 | 35 | 70 |
| 502035 | 502535 | 35 | 7.0 | 5.83 | 67 | 127 | 35 | 38 | 76 |
| 502038 | 502538 | 38 | 9.5 | 7.8 | 70 | 137 | 38 | 44 | 89 |
| 502044 | 502544 | 44 | 13.0 | 13 | 83 | 156 | 44 | 51 | 102 |
| 502051 | 502551 | 51 | 16.0 | 30.2 | 98 | 187 | 51 | 57 | 114 |

Special Purpose Shackle



Austlift special purpose Shackle are generally used for electrical industries and in railway lines.

- Generally conforms to AS1154.2 made from high tensile steel in bow configuration with Safety Pin hot dipped galvanised finish & stainless steel humpback split pin
- Suitable for holding applications.

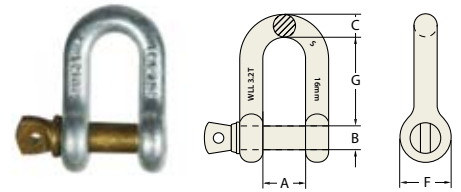


| CODE | SIZE | MBF | MFL* | WEIGHT | DIMENSIONS | | | | |
|--------|------|------|------|--------|------------|------|-------|------|------|
| Nº | mm | kN | kN | kg | B mm | D mm | D1 mm | L mm | W mm |
| 505070 | 16 | 87.5 | 70 | 0.456 | 34 | 15 | 13 | 60 | 21 |

*Minimum failure load.

Grade 'S' Shackle, Dee Type, Gold Screw Pin

| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------|------|-------|------------|----|----|-----|-----|
| Nº | mm | T | kg | A | B | C | F | G |
| mm | | | | mm | mm | mm | mm | mm |
| 504006 | 6 | 0.5 | 0.05 | 12 | 8 | 6 | 17 | 22 |
| 504008 | 8 | 0.75 | 0.09 | 13 | 10 | 8 | 21 | 26 |
| 504010 | 10 | 1 | 0.14 | 17 | 11 | 10 | 25 | 32 |
| 504011 | 11 | 1.5 | 0.17 | 18 | 13 | 11 | 27 | 37 |
| 504013 | 13 | 2 | 0.29 | 21 | 16 | 13 | 33 | 41 |
| 504016 | 16 | 3.2 | 0.63 | 27 | 19 | 16 | 40 | 51 |
| 504019 | 19 | 4.7 | 1.02 | 32 | 22 | 19 | 48 | 60 |
| 504022 | 22 | 6.5 | 1.53 | 37 | 25 | 22 | 54 | 71 |
| 504025 | 25 | 8.5 | 2.41 | 43 | 29 | 25 | 60 | 81 |
| 504029 | 29 | 9.5 | 3.09 | 46 | 32 | 29 | 67 | 90 |
| 504032 | 32 | 12 | 4.31 | 52 | 35 | 32 | 76 | 100 |
| 504035 | 35 | 13.5 | 6.01 | 57 | 38 | 35 | 84 | 113 |
| 504038 | 38 | 17 | 8.03 | 60 | 44 | 38 | 92 | 124 |
| 504044 | 44 | 25 | 13.79 | 73 | 51 | 44 | 110 | 146 |
| 504051 | 51 | 35 | 20.42 | 83 | 57 | 51 | 127 | 171 |
| 504057 | 57 | 42.5 | 26.06 | 95 | 63 | 57 | 143 | 181 |
| 504063 | 63 | 55 | 38.8 | 105 | 70 | 63 | 152 | 203 |

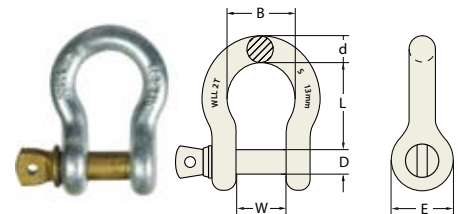


Austlift Gold Screw Pin Dee Shackles are most commonly used for lifting applications, providing connections to Chain, Wire Rope and other rated fittings within the Marine, Agricultural, Mining and Engineering Industries.

- Conforms to AS2741 manufactured from Grade "S" material in Dee configuration with Screw Pin hot dipped galvanized. Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.

Grade 'S' Shackle, Bow Type, Gold Screw Pin

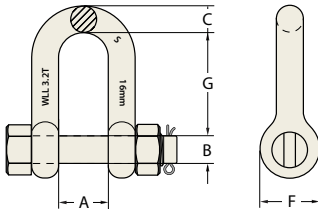
| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------|------|-------|------------|----|----|-----|-----|-----|
| Nº | mm | T | kg | B | D | d | E | L | W |
| mm | | | | mm | mm | mm | mm | mm | mm |
| 503005 | 5 | 0.33 | 0.02 | 15 | 6 | 5 | 14 | 22 | 10 |
| 503006 | 6 | 0.5 | 0.05 | 20 | 8 | 6 | 17 | 29 | 12 |
| 503008 | 8 | 0.75 | 0.09 | 21 | 10 | 8 | 21 | 31 | 13 |
| 503010 | 10 | 1 | 0.14 | 26 | 11 | 10 | 25 | 37 | 17 |
| 503011 | 11 | 1.5 | 0.17 | 29 | 13 | 11 | 27 | 43 | 18 |
| 503013 | 13 | 2 | 0.29 | 33 | 16 | 13 | 33 | 48 | 21 |
| 503016 | 16 | 3.2 | 0.63 | 43 | 19 | 16 | 40 | 61 | 27 |
| 503019 | 19 | 4.7 | 1.02 | 51 | 22 | 19 | 48 | 72 | 32 |
| 503022 | 22 | 6.5 | 1.53 | 58 | 25 | 22 | 54 | 84 | 37 |
| 503025 | 25 | 8.5 | 2.41 | 68 | 29 | 25 | 60 | 95 | 43 |
| 503029 | 29 | 9.5 | 3.09 | 74 | 32 | 29 | 67 | 108 | 46 |
| 503032 | 32 | 12 | 4.31 | 83 | 35 | 32 | 76 | 119 | 52 |
| 503035 | 35 | 13.5 | 6.01 | 92 | 38 | 35 | 84 | 133 | 57 |
| 503038 | 38 | 17 | 8.03 | 98 | 44 | 38 | 92 | 146 | 60 |
| 503044 | 44 | 25 | 13.79 | 127 | 51 | 44 | 110 | 178 | 73 |
| 503051 | 51 | 35 | 20.42 | 146 | 57 | 51 | 127 | 197 | 83 |
| 503057 | 57 | 42.5 | 26.06 | 160 | 63 | 57 | 143 | 222 | 95 |
| 503063 | 63 | 55 | 38.8 | 184 | 70 | 63 | 152 | 267 | 105 |



Austlift Gold Screw Pin Bow Shackles are most commonly used for lifting applications, providing connections to chain, Wire Rope and other rated fittings within the Marine, Agricultural, Mining and Engineering Industries.

- Conforms to AS2741 manufactured from Grade "S" material in bow configuration with Screw Pin hot dipped galvanized. Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.

Grade 'S' Shackle, Dee Type, Gold Safety Pin



Austlift Gold Safety Pin Dee Shackles are most commonly used for lifting applications, providing more permanent connections to Chain, Wire Rope and other rated fittings within the Marine, Agricultural, Mining and Engineering Industries. Suitable for equipment that may vibrate to ensure pin will not dislodge during use. The Safety Pin allows the pin to rotate during loading conditions.

- Conforms to AS2741 manufactured from Grade "S" material in Dee configuration with Safety Pin hot dipped galvanized. Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.

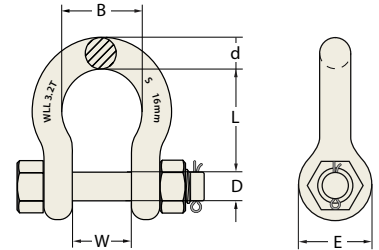
| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | |
|--------|------|------|-------|------------|------|------|------|------|
| | mm | T | kg | A mm | B mm | C mm | F mm | G mm |
| 504513 | 13 | 2 | 0.36 | 21 | 16 | 13 | 33 | 41 |
| 504516 | 16 | 3.2 | 0.76 | 27 | 19 | 16 | 40 | 51 |
| 504519 | 19 | 4.7 | 1.23 | 32 | 22 | 19 | 48 | 60 |
| 504522 | 22 | 6.5 | 1.79 | 37 | 25 | 22 | 54 | 71 |
| 504525 | 25 | 8.5 | 2.78 | 43 | 29 | 25 | 60 | 81 |
| 504529 | 29 | 9.5 | 3.75 | 46 | 32 | 29 | 67 | 90 |
| 504532 | 32 | 12 | 5.31 | 52 | 35 | 32 | 76 | 100 |
| 504535 | 35 | 13.5 | 6.98 | 57 | 38 | 35 | 84 | 113 |
| 504538 | 38 | 17 | 9.44 | 60 | 44 | 38 | 92 | 124 |
| 504544 | 44 | 25 | 15.39 | 73 | 51 | 44 | 110 | 146 |
| 504551 | 51 | 35 | 23.71 | 83 | 57 | 51 | 127 | 171 |
| 504557 | 57 | 42.5 | 29.01 | 95 | 63 | 57 | 143 | 181 |
| 504563 | 63 | 55 | 44.58 | 105 | 70 | 63 | 152 | 203 |



Grade 'S' Shackle, Bow Type, Gold Safety Pin

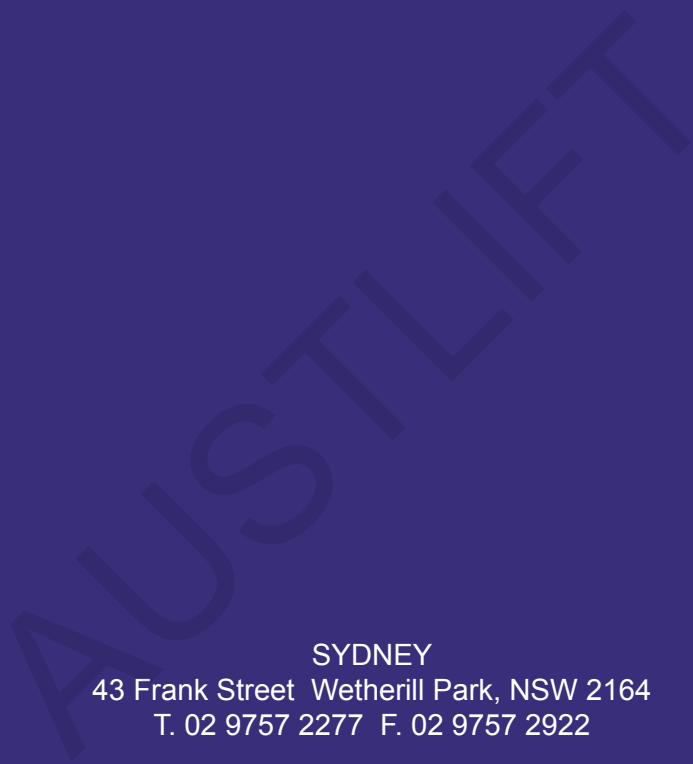
Austlift Gold Safety Pin Bow Shackle are most commonly used for lifting applications, providing more permanent connections to Chain, Wire Rope and other rated fittings within the Marine, Agricultural, Mining and Engineering Industries. Suitable for equipment that may vibrate to ensure pin will not dislodge during use. The Safety Pin allows the pin to rotate during loading conditions.

- Conforms to AS2741 manufactured from Grade "S" material in Bow configuration with Safety Pin hot dipped galvanized. Marked with work load limit in tonnes, quality grade, batch numbered, nominal size in millimetre and supplier identification.
- Proof tested to 2 x work load limit, with a minimum break force of 6 x work load limit.
- Test Certificates are available upon request.
- Suitable for lifting applications.



| CODE | SIZE | WLL | Wt. | DIMENSIONS | | | | | |
|--------|------|------|--------|------------|------|------|------|------|------|
| Nº | mm | T | kg | B mm | D mm | d mm | e mm | L mm | W mm |
| 503513 | 13 | 2 | 0.36 | 33 | 16 | 13 | 33 | 48 | 21 |
| 503516 | 16 | 3.2 | 0.76 | 43 | 19 | 16 | 40 | 61 | 27 |
| 503519 | 19 | 4.7 | 1.23 | 51 | 22 | 19 | 48 | 82 | 32 |
| 503522 | 22 | 6.5 | 1.79 | 58 | 25 | 22 | 54 | 84 | 37 |
| 503525 | 25 | 8.5 | 2.78 | 68 | 29 | 25 | 60 | 95 | 43 |
| 503529 | 29 | 9.5 | 3.75 | 74 | 32 | 29 | 67 | 108 | 46 |
| 503532 | 32 | 12 | 5.31 | 83 | 35 | 32 | 76 | 119 | 52 |
| 503535 | 35 | 13.5 | 6.98 | 92 | 38 | 35 | 84 | 133 | 57 |
| 503538 | 38 | 17 | 9.44 | 98 | 44 | 38 | 92 | 146 | 60 |
| 503544 | 44 | 25 | 15.39 | 127 | 51 | 44 | 110 | 178 | 73 |
| 503551 | 51 | 35 | 23.71 | 146 | 57 | 51 | 127 | 197 | 83 |
| 503557 | 57 | 42.5 | 29.01 | 160 | 63 | 57 | 143 | 222 | 95 |
| 503564 | 63 | 55 | 44.58 | 184 | 70 | 63 | 152 | 267 | 105 |
| 503576 | 76 | 85 | 69.87 | 200 | 83 | 76 | 165 | 330 | 127 |
| 503589 | 89 | 120 | 129.31 | 241 | 95 | 89 | 203 | 381 | 153 |
| 503590 | 102 | 150 | 153.36 | 279 | 108 | 102 | 229 | 432 | 165 |





SYDNEY

43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE

47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH

Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE

7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

EYE BOLTS AND EYE NUTS

AUSTLIFT



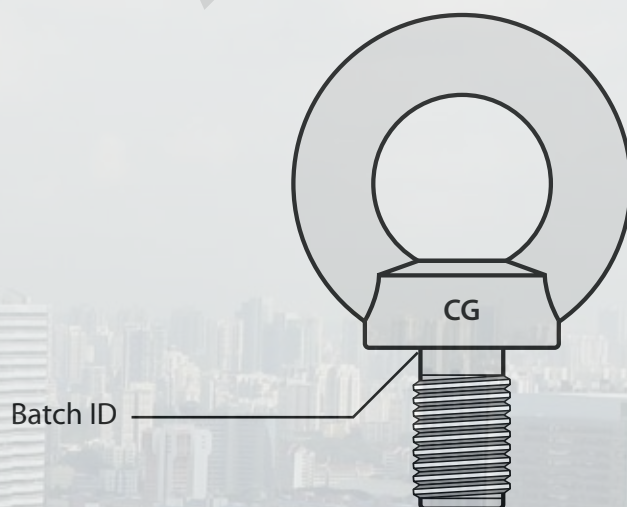
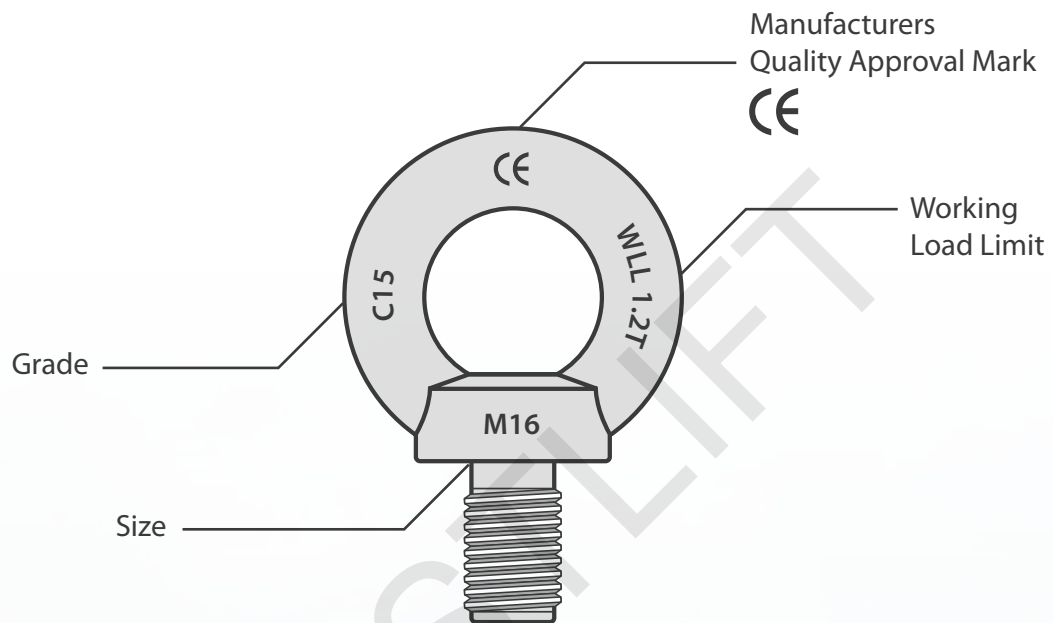
 **AUSTLIFT®**

1300 100 120
WWW.AUSTLIFT.COM.AU

Contents

| | |
|---|-----|
| <i>Inspection Before Use</i> | 132 |
| <i>Warning</i> | 132 |
| <i>Care In Use</i> | 133 |
| <i>Eye Bolt</i> | 134 |
| <i>Care In Use</i> | 134 |
| <i>Eye Nut</i> | 135 |
| <i>Eye Bolt - Bs4278 With Metric Sizing</i> | 136 |
| <i>Eye Bolt - Bs529 With Whitworth Sizing</i> | 136 |
| <i>Working Load Limited For Eye Bolts</i> | 137 |
| <i>Swivel Large Eye Bolt</i> | 137 |
| <i>Eye Bow Nut</i> | 137 |
| <i>Swivel Eye Bolt</i> | 138 |

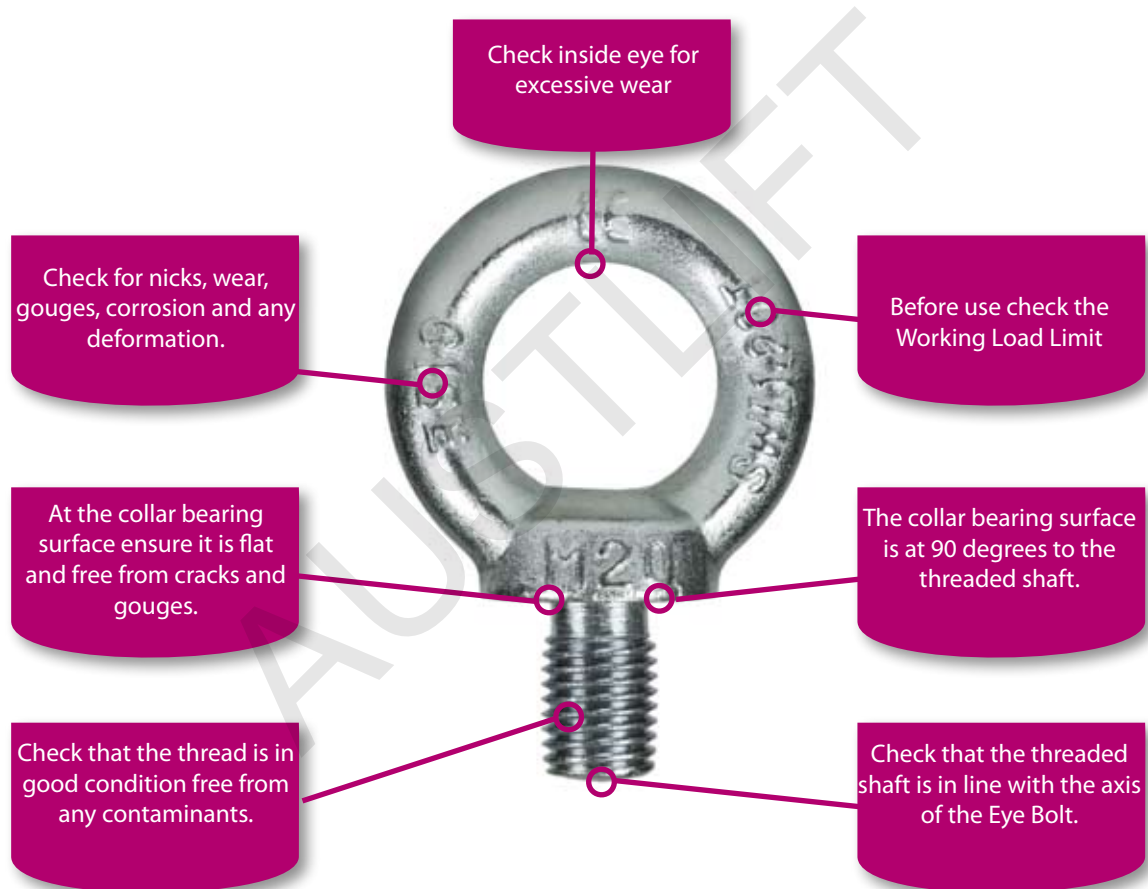




INSPECTION BEFORE USE

The pre-use check for Eye Bolts should include the following:

1. Ensure the Working Load Limit is marked and clearly legible.
2. Check for any signs of deformation, cracking, nicks, gouges and excessive bruising, wear or corrosion.
3. Threads should be concentric and fit neatly into a standard threaded hole or rated nut.
4. Check that the centre line of the eye is aligned with the centre line of the thread.
5. Check the threaded hole to ensure it is clean and no other foreign matter that could restrict the Eye Bolts from seating correctly in the hole. Particular attention should be paid to the threaded hole to ensure it is in good condition.
6. Check that the hole thread and the Eye Bolt thread are compatible.
7. It is important to check the surface area around the threaded hole (which the Eye Bolt collar will sit on) to ensure it is clean, free from deformation, cracking or any other problem that may restrict the Eye Bolt seating correctly.
8. Eye Bolt under 12mm is not suggested to use for lifting purposes ,refer to relevant standards.



WARNING

WARNING

- Eye Bolts should always be used in accordance with Australian Standards or other relevant standards and the manufacturers recommendations.
- When Eye Bolts are used the load should always be tethered to prevent it from spinning during lifting operation.
- The Working Load Limit for Eye Bolts is in the direct vertical lifting plane.
- Eye Bolts used in multi leg assemblies must be de-rated.
- Where a single Eye Bolt is used, care should be taken to ensure that it remains screwed home throughout the lifting operation. If a single Eye Bolt is used for lifting and there is a possibility that the load will rotate or twist, a swivel should be used in the system to prevent the Eye Bolt unscrewing.
- Never lift with an Eye Bolt that is not correctly seated on its collar bearing surface. A dangerous situation is created when incorrectly seated Eye Bolts are loaded.
- Never use excessive leverage to tighten an Eye Bolt. Excessive tightening will cause stretching and deformation of the thread resulting in a dangerous situation.

Austlift collared Eye Bolts comply with DIN580, BS4278 and AS2317 and are manufactured to the highest quality. Eye Nuts are manufactured to DIN582. We also provide hanging loop type Eye Nuts.

Note: Care in Use information should be taken as a general guide, as collared Eye Bolts are suitable for a number of broad applications.

Small Eye Bolts

We suggest that Eye Bolts of sizes smaller than 12mm should not be used for general lifting, staying or tensioning purposes, as high torsional stresses are easily induced in these smaller sizes by being screwed up too tightly. However, where they are used, care should be taken to not cause excessive torsional stresses while they are being fitted to a threaded hole.

Matching of Threads

Extreme care should be taken to ensure that Eye Bolts are not screwed into threaded holes of a different size or type of thread. Accidents may be caused by Eye Bolts with metric threads being screwed inadvertently into tapped holes having a BSW or UNC thread and vice versa. Apart from force fits, the thread sizes listed in the table below may be wrongly matched with the risk that the Eye Bolt may pull out of the threaded hole below the design load.

The possibility of mixing threads has always existed, but it has been accentuated by the change to metric threads. Where an Eye Bolt is removed from a threaded hole, it is recommended that the surface adjacent to the threaded hole be marked with the thread type and size and a plug be inserted into the threaded hole, or that other equally effective action be taken to reduce the possibility of mismatching threads. Where an Eye Bolt cannot be screwed by hand, the cause of the tight fit may be mixed threads.

Threaded Attachment

Where an Eye Bolt is used in an untapped hole, the thread should engage a nut with a thread length of at least the full thickness of a standard sized nut.

Where an Eye Bolt is used with a tapped hole in a plate the length of thread engagement should be at least the nominal diameter of the thread. Where the undercut is not sufficient to allow for an adequate engagement of the collar, a parallel washer beneath the collar should be used so that an adequate engagement is achieved.

If the nut side of the Eye Bolt is on a tapered surface, such as the inside flange of an RSJ beam, then a tapered washer should be used.

Incorrect Matched Thread Sizes Are Particularly Troublesome

| Metric Eye Bolt | BSW and UNC hole inches | Metric Eye Bolt | BSW and UNC hole inches |
|-----------------|-------------------------|-----------------|-------------------------|
| M6* | 1/4" | M27 | 1-1/16" |
| M8* | 5/16" | M30 | 1-1/4" |
| M10* | 3/8" | M33 | 1-5/16" |
| M12 | 1/2" | M36 | 1-1/2" |
| M14 | 9/16" | M39 | 1-9/16" |
| M16 | 5/8" | M42 | 1-3/4" |
| M20 | 3/4" | M48 | 2" |
| M22 | 7/8" | M52 | 2-1/16" |
| M24 | 1" | M56 | 2-3/16" |

Where an Eye Bolt cannot be screwed by hand, the cause of the tight fit may be mixed threads.

*Please refer to note's **Small Eye Bolts** above.

Tightening of Eye Bolts

Eye Bolts should be screwed fully down to the face of the lifted load; however, excessive tightening of the Eye Bolt should be avoided. It should not be possible to enter a 0.04 mm feeler gauge at any position between the collar of an Eye Bolt and its seating. Where this condition is not achieved, any non-axial loading may overstress the screw thread.

Alignment of Eye

Where correct alignment of the eye of an Eye Bolt is required but not accomplished at the first fitting, it should be achieved by the following methods:

- Fitting a shim washer of steel under the collar. A shim washer should not be less in diameter than the diameter of the collar, and the thickness should be between 50% and 100% of the pitch of the threaded shank.
- Machining the underside of the collar. The amount of material machined from the collar should not exceed 50% of the pitch of the thread on the shank of the Eye Bolt.

Continuous Slings

A continuous Sling should not be used with pairs of Eye Bolts (refer figure 3.5). Where a continuous Sling is used with a pair of Eye Bolts, the load applied to the Eye Bolts is considerably increased by the tension in the horizontal portion of the Sling and this may overstress the Eye Bolts. Whenever lifting with Eye Bolts in pairs supported by Slings, always use rigging assemblies with individual Sling lengths.

Loading Not Aligned with Threaded End

Where the centre-line of loading is not in line with the axis of the threaded end of the Eye Bolt, including where a two-leg Sling is connected to a pair of Eye Bolts to support a load, the following apply:

- The diameter of the boss of the tapped hole, into which the Eye Bolt is screwed, should be no less than the diameter of the collar of the Eye Bolt.
- The angle between the centre-line of the loading on the eye of the Eye Bolt and the plane containing the eye of the Eye Bolt should not exceed 5°, unless an adequate reduction is made to the WLL.

Where the perpendicular loading is applied (sometimes called 'trunnion lifting'), the eye of the Eye Bolt should be aligned in the vertical plane.

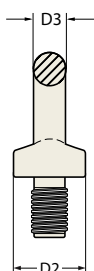
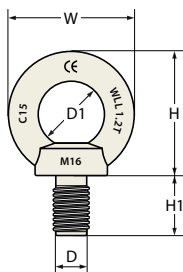
Where two pairs of Eye Bolts are fitted to a single item, lifting should be effected by means of two two-leg Slings and a spreader bar to ensure the load is distributed evenly across the Eye Bolts. This arrangement also allows the load to be readily applied to each Eye Bolt in the plane of the eye.

Din Standard 580



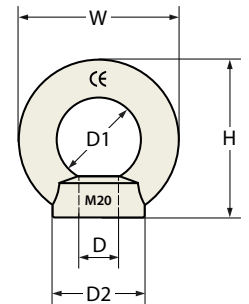
Eye Bolts DIN580 and Eye Nut DIN 582 are generally used as a removable lifting point where a rated female thread or nut can be utilized also can be used as a termination for Chain, Wire Rope and other assemblies where required.

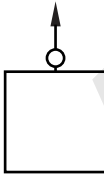

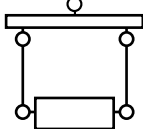
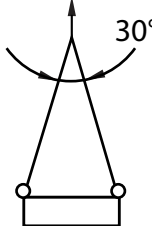
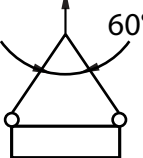
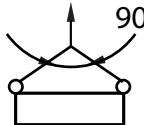
- Made from C15 carbon steel with zinc plated finish, manufactured with a standard larger eye. Only available in metric thread sizes.
- Conforms to DIN580 and DIN 582 marked with working load limit in tonne, nominal size in millimetre, quality grade, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 6 x Work load limit. Test Certificate are upon request.



| CODE | SIZE | PITCH | WLL | Wt. | DIMENSIONS | | | | | | |
|--------|------|-------|------|-------|------------|-----|-----|-----|------|----|-----|
| | | | | | D | D1 | D2 | D3 | H | H1 | W |
| | mm | mm | T | kg/pc | mm | mm | mm | mm | mm | mm | mm |
| 601006 | M6 | 1.00 | 0.07 | 0.055 | 6 | 14 | 19 | 6.5 | 27.5 | 12 | 27 |
| 601008 | M8 | 1.25 | 0.14 | 0.06 | 8 | 20 | 20 | 8 | 36 | 13 | 36 |
| 601010 | M10 | 1.50 | 0.23 | 0.1 | 10 | 25 | 25 | 10 | 45 | 17 | 45 |
| 601012 | M12 | 1.75 | 0.34 | 0.19 | 12 | 30 | 30 | 12 | 53 | 20 | 54 |
| 601016 | M16 | 2.00 | 0.70 | 0.31 | 16 | 35 | 35 | 14 | 62 | 27 | 63 |
| 601020 | M20 | 2.50 | 1.20 | 0.45 | 20 | 40 | 40 | 16 | 71 | 30 | 72 |
| 601022 | M22 | 2.50 | 1.50 | 0.68 | 22 | 45 | 45 | 18 | 80.5 | 35 | 81 |
| 601024 | M24 | 3.00 | 1.80 | 0.72 | 24 | 50 | 50 | 20 | 90 | 36 | 90 |
| 601027 | M27 | 3.00 | 2.50 | 1.16 | 27 | 50 | 50 | 20 | 97 | 36 | 90 |
| 601030 | M30 | 3.50 | 3.60 | 1.6 | 30 | 65 | 65 | 24 | 109 | 45 | 108 |
| 601036 | M36 | 4.00 | 5.10 | 2.8 | 36 | 75 | 75 | 28 | 128 | 54 | 126 |
| 601042 | M42 | 4.50 | 7.00 | 4.2 | 42 | 85 | 85 | 32 | 147 | 63 | 144 |
| 601048 | M48 | 5.00 | 8.60 | 6.5 | 48 | 100 | 100 | 38 | 168 | 68 | 168 |
| 601056 | M56 | 5.50 | 11.5 | 8.9 | 56 | 100 | 110 | 42 | 187 | 78 | 184 |

| CODE | SIZE | PITCH | WLL | WEIGHT | DIMENSIONS | | | | |
|--------|------|-------|------|--------|------------|-------|-------|------|------|
| | mm | mm | T | kg/pc | D mm | D1 mm | D2 mm | H mm | W mm |
| 602006 | M6 | 1.00 | 0.07 | 0.055 | 6 | 17 | 20 | 36 | 28 |
| 602008 | M8 | 1.25 | 0.14 | 0.06 | 8 | 20 | 20 | 36 | 36 |
| 602010 | M10 | 1.50 | 0.23 | 0.1 | 10 | 25 | 25 | 45 | 45 |
| 602012 | M12 | 1.75 | 0.34 | 0.19 | 12 | 30 | 30 | 53 | 54 |
| 602016 | M16 | 2.00 | 0.70 | 0.31 | 16 | 35 | 35 | 62 | 63 |
| 602020 | M20 | 2.50 | 1.20 | 0.45 | 20 | 40 | 40 | 71 | 72 |
| 602022 | M22 | 2.50 | 1.50 | 0.68 | 22 | 45 | 45 | 80.5 | 81 |
| 602024 | M24 | 3.00 | 1.80 | 0.72 | 24 | 50 | 50 | 90 | 90 |
| 602027 | M27 | 3.00 | 2.50 | 1.16 | 27 | 50 | 50 | 97 | 90 |
| 602030 | M30 | 3.50 | 3.60 | 1.6 | 30 | 65 | 65 | 109 | 108 |
| 602036 | M36 | 4.00 | 5.10 | 2.8 | 36 | 75 | 75 | 128 | 126 |
| 602042 | M42 | 4.50 | 7.00 | 4.2 | 42 | 85 | 85 | 147 | 144 |
| 602048 | M48 | 5.00 | 8.60 | 6.5 | 48 | 100 | 100 | 168 | 168 |



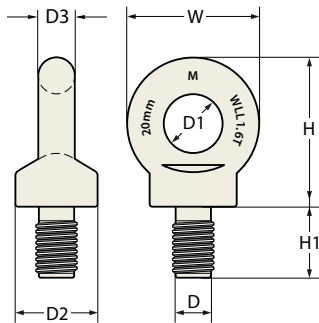
| Eye Bolt size | Single Eye Bolt | | Pair of Eye Bolts | | | |
|---------------|---|---|---|--|---|---|
| | Axial | Side 90° | Vertical Pair | 30° Angle | 60° Angle | 90° Angle |
| |  |  |  |  |  |  |
| M6 | 0.07 | 0.018 | 0.035 | 0.088 | 0.056 | 0.035 |
| M8 | 0.14 | 0.035 | 0.07 | 0.176 | 0.112 | 0.07 |
| M10 | 0.23 | 0.058 | 0.115 | 0.29 | 0.184 | 0.115 |
| M12 | 0.34 | 0.085 | 0.17 | 0.428 | 0.272 | 0.17 |
| M16 | 0.70 | 0.175 | 0.35 | 0.882 | 0.56 | 0.35 |
| M20 | 1.20 | 0.3 | 0.6 | 1.512 | 0.96 | 0.6 |
| M22 | 1.50 | 0.375 | 0.75 | 1.89 | 1.2 | 0.75 |
| M24 | 1.80 | 0.45 | 0.9 | 2.268 | 1.44 | 0.9 |
| M27 | 2.50 | 0.625 | 1.25 | 3.15 | 2.0 | 1.25 |
| M30 | 3.60 | 0.9 | 1.8 | 4.536 | 2.88 | 1.8 |
| M36 | 5.10 | 1.275 | 2.55 | 6.426 | 4.08 | 2.55 |
| M42 | 7.00 | 1.75 | 3.5 | 8.82 | 5.6 | 3.5 |
| M48 | 8.60 | 2.15 | 4.3 | 10.836 | 6.88 | 4.3 |
| M56 | 11.50 | 2.875 | 5.75 | 14.49 | 9.2 | 5.75 |

Eye bolt - BS4278 with Metric Sizing



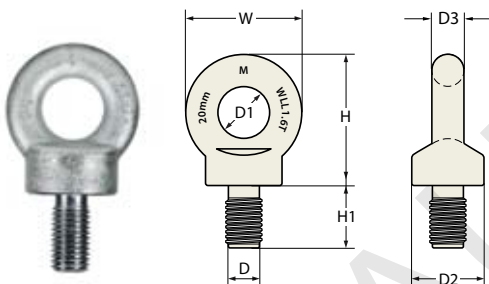
BS4278 Eye Bolts are generally used as a removable lifting point where a rated female thread or nut can be utilized also can be used as a termination for Chain, Wire Rope and other assemblies where required.

- Made from carbon steel following steel specifications of BS 970 with zinc plated finish, manufactured with a smaller eye than DIN type.
- Conforms to AS2317, marked with working load limit in tonne, nominal size, quality grade, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 6 x Work load limit.
- Test Certificate are supplied upon request.



| CODE | SIZE | PITCH | WLL | WEIGHT | DIMENSIONS | | | | | | |
|--------|------|-------|------|--------|------------|----|----|----|-----|----|----|
| | mm | mm | T | kg/pc | D | D1 | D2 | D3 | H | H1 | W |
| 603010 | M10 | 1.50 | 0.25 | 0.07 | 10 | 15 | 22 | 9 | 35 | 18 | 32 |
| 603012 | M12 | 1.75 | 0.40 | 0.07 | 12 | 15 | 22 | 9 | 40 | 18 | 33 |
| 603016 | M16 | 2.00 | 0.80 | 0.16 | 16 | 20 | 29 | 12 | 52 | 23 | 44 |
| 603020 | M20 | 2.50 | 1.60 | 0.44 | 20 | 27 | 40 | 16 | 72 | 32 | 59 |
| 603024 | M24 | 3.00 | 2.50 | 0.86 | 24 | 35 | 52 | 21 | 92 | 40 | 77 |
| 603030 | M30 | 3.50 | 4.00 | 1.66 | 30 | 44 | 65 | 26 | 116 | 51 | 96 |

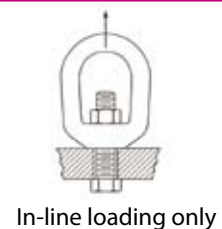
Eye bolt - BS529 with Whitworth Sizing



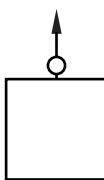
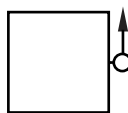
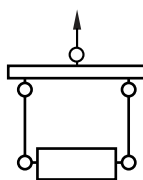
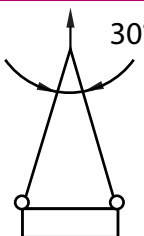
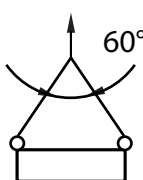
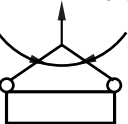
BS529 Eye Bolts are generally used as a removable lifting point where a rated female thread or nut can be utilized, also can be used as a termination for Chain, Wire Rope and other assemblies where required.

- Made from carbon steel following steel specifications of BS 970 with zinc plated finish, manufactured with a smaller eye than DIN type.
- Conforms to AS2317, marked with working load limit in tonne, nominal size, quality grade, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 6 x Work load limit.
- Test Certificate are supplied upon request.

| CODE | SIZE | PITCH | WLL | WEIGHT | DIMENSIONS | | | | | | |
|--------|--------|--------|-----|--------|------------|--------|---------|--------|-----|---------|-----|
| | inches | inches | T | kg/pc | D | D1 | D2 | D3 | H | H1 | W |
| 604005 | 3/8 | 0.0625 | 0.3 | 0.06 | 10 | 9/16 | 27/32 | 11/32 | 35 | 21/32 | 32 |
| 604010 | 1/2 | 0.0833 | 0.5 | 0.14 | 12 | 3/4 | 1 1/8 | 7/16 | 40 | 7/8 | 33 |
| 604015 | 5/8 | 0.0909 | 0.9 | 0.3 | 16 | 15/16 | 1 13/32 | 9/16 | 52 | 1 3/32 | 44 |
| 604020 | 3/4 | 0.1 | 1.4 | 0.5 | 20 | 1 1/8 | 1 11/16 | 21/32 | 72 | 1 5/16 | 59 |
| 604025 | 7/8 | 0.125 | 2.0 | 0.6 | 22 | 1 5/16 | 1 31/32 | 25/32 | 82 | 1 17/32 | 73 |
| 604030 | 1 | 0.1429 | 2.8 | 1.1 | 24 | 1 1/2 | 2 1/4 | 7/8 | 92 | 1 3/4 | 77 |
| 604035 | 1 1/4 | 0.1429 | 4.6 | 2.1 | 32 | 1 7/8 | 2 13/16 | 1 3/32 | 130 | 2 3/16 | 123 |



WORKING LOAD LIMITED FOR BS EYE BOLTS

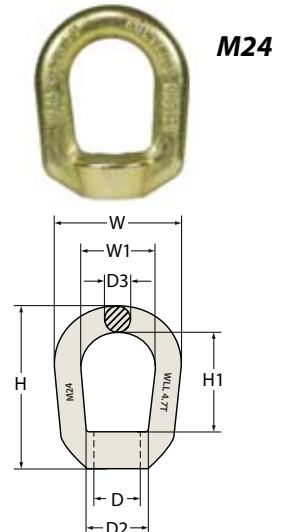
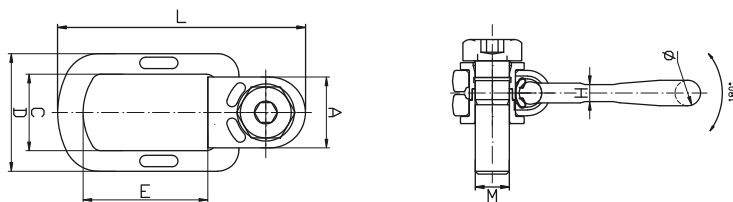
| Metric | Imperial |  |  |  |  |  |  |
|--------|----------|---|---|---|--|---|---|
| M10 | 3/8" | 0.25 | 0.06 | 0.12 | 0.31 | 0.2 | 0.12 |
| M12 | 1/2" | 0.4 | 0.1 | 0.2 | 0.5 | 0.32 | 0.2 |
| M16 | 5/8" | 0.8 | 0.2 | 0.4 | 1.0 | 0.64 | 0.4 |
| M20 | 3/4" | 1.6 | 0.4 | 0.8 | 2.0 | 1.28 | 0.8 |
| M22 | 7/8" | 2.0 | 0.5 | 1.0 | 2.5 | 1.6 | 1.0 |
| M24 | 1" | 2.5 | 0.62 | 1.25 | 3.1 | 2.0 | 1.25 |
| M30 | 1.1/8 | 4.0 | 1.0 | 2.0 | 5.0 | 3.2 | 2.0 |
| M33 | 1.1/4" | 5.0 | 1.25 | 2.5 | 6.3 | 4.0 | 2.5 |
| M36 | 1.1/2" | 6.3 | 1.57 | 3.1 | 7.9 | 5.0 | 3.1 |
| M39 | 1.9/16" | 7.0 | 1.75 | 3.5 | 8.8 | 5.6 | 3.5 |
| M42 | 1.5/8" | 8.0 | 2.0 | 4.0 | 10.0 | 6.4 | 4.0 |
| M48 | 2" | 10.0 | 2.5 | 5.0 | 12.6 | 8.0 | 5.0 |
| M56 | 2.1/4" | 15.0 | 3.7 | 7.5 | 18.9 | 12.0 | 7.5 |

Eye Bow Nut

Bow Nut in accordance with requirements of ASME B30.26, used as a removable hanging Eye Nut where a rated male thread or bolt can be utilized commonly used in the Mining Industry.

- Made from G-400 forged steel quenched and tempered with zinc plated finish, manufactured with a bow shape, available in metric thread sizes only.
- Marked with working load limit in tonne, nominal size in millimetre, batch numbered and supplier identification. Proof tested to 2 x Working load limit and Minimum breaking force of 5 x Work load limit.
- Test Certificate are available upon request.

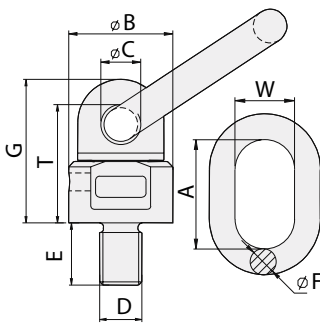
| CODE | SIZE | WLL | WEIGHT | DIMENSIONS | | | | | | |
|--------|------|-----|--------|------------|----|----|-----|----|----|----|
| | mm | T | kg/pc | D | D2 | D3 | H | H1 | W | W1 |
| | mm | T | kg/pc | mm | mm | mm | mm | mm | mm | mm |
| 602035 | M24 | 4.7 | 1 | 24 | 46 | 21 | 125 | 75 | 98 | 53 |


Swivel Large Eye Bolt


| CODE | SIZE | WLL | WEIGHT | DIMENSIONS | | | | | | | | |
|--------|------|-----|--------|------------|----|----|----|----|----|----|----|-----|
| | mm | T | kg/pc | BL/T | Ø | A | C | D | E | H | M | L |
| | mm | T | kg/pc | BL/T | mm | mm | mm | mm | mm | mm | mm | mm |
| 605220 | M20 | 2.5 | 1.21 | 10 | 16 | 50 | 54 | 83 | 74 | 12 | 20 | 159 |
| 605224 | M24 | 4 | 1.37 | 16 | 18 | 50 | 54 | 83 | 88 | 12 | 24 | 175 |



Swivel Eye Bolt



Swivel Ring Bolt accordingly to EN 818-4 for load ring and AS2318 for the swivel component. Used as a swiveling load ring capable of rotating under load due to ball bearings ideally suited for dynamic lifting in any position.

- Made from G80 alloy steel with yellow painted finish, manufactured with a oval link, and available in metric thread sizes from 8mm to 36mm.
- Marked with working load limit in tonne, nominal size in millimetre, quality mark and supplier identification. Proof tested to 1.25 x Working load limit.
- Test Certificate are available upon request.

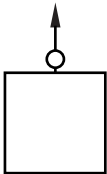
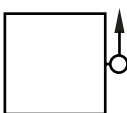
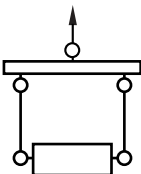
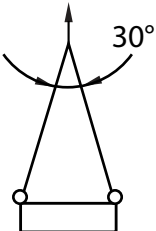
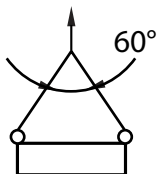
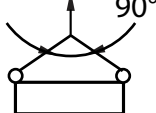
| CODE | SIZE | WLL(4:1) | | WEIGHT | DIMENSIONS | | | | | | |
|--------|------|----------|------|--------|------------|------|------|----|----|------|----|
| | | 90° | 0° | | A | B | C | E | F | G | W |
| | mm | T | T | kg | mm | mm | mm | mm | mm | mm | mm |
| 605108 | 8 | 0.3 | 0.6 | 0.41 | 55 | 36 | 15 | 13 | 13 | 51 | 30 |
| 605110 | 10 | 0.45 | 0.9 | 0.43 | 55 | 36 | 15 | 18 | 13 | 51 | 30 |
| 605112 | 12 | 0.5 | 1 | 0.44 | 55 | 36 | 15 | 18 | 13 | 51 | 30 |
| 605116 | 16 | 1.12 | 2 | 0.46 | 55 | 36 | 15 | 20 | 13 | 52 | 30 |
| 605120 | 20 | 2 | 4 | 0.96 | 70 | 49.5 | 19 | 30 | 16 | 68 | 35 |
| 605124 | 24 | 3.15 | 6.3 | 1.45 | 85 | 57 | 22 | 30 | 18 | 78 | 40 |
| 605130 | 30 | 5.3 | 10.6 | 2.17 | 85 | 66 | 23.5 | 35 | 20 | 96.5 | 40 |
| 605136 | 36 | 8 | 11.8 | 3.6 | 115 | 80 | 27 | 50 | 22 | 109 | 50 |



- Swivel Ring Bolt should be tightened by hand with Spanner only.
- These Ring Bolts are not designed for permanent rotating continuously.
- Not suitable for turning under full load at 90° in side loading position.

Swivel Eye Bolt

Collar shall be seated against threaded surface

| Eye Bolt size | Single Eye Bolt | | Pair of Eye Bolts | | | |
|---------------|---|---|---|--|---|---|
| | Axial | Side 90° | Vertical Pair | 30° Angle | 60° Angle | 90° Angle |
| |  |  |  |  |  |  |
| M8 | 0.3 | 0.075 | 0.15 | 0.58 | 0.52 | 0.42 |
| M10 | 0.45 | 0.112 | 0.22 | 0.86 | 0.78 | 0.63 |
| M12 | 0.5 | 0.125 | 0.25 | 0.96 | 0.86 | 0.70 |
| M16 | 0.12 | 0.28 | 0.56 | 2.16 | 1.9 | 1.58 |
| M20 | 2.0 | 0.5 | 1.0 | 3.85 | 3.45 | 2.80 |
| M24 | 3.15 | 0.78 | 1.56 | 6.0 | 5.45 | 4.45 |
| M30 | 5.3 | 1.3 | 2.6 | 10.2 | 9.15 | 7.47 |
| M36 | 8.0 | 2.0 | 4.0 | 15.5 | 13.8 | 11.25 |

AUSTRALIAN LIFTING CENTRE PTY LTD

NON-ALLOY & STAINLESS STEEL FITTINGS

AUSTLIFT



1300 100 120
WWW.AUSTLIFT.COM.AU



Contents

| | |
|---|-----|
| <i>Regular Proof Coil Galvanised Chain</i> | 141 |
| <i>Long Link Proof Coil Galvanised Chain</i> | 141 |
| <i>Security Chain</i> | 141 |
| <i>S Hook</i> | 142 |
| <i>Quick Link</i> | 142 |
| <i>Snap Hook</i> | 142 |
| <i>Split Repair Link</i> | 143 |
| <i>Lynch Pin</i> | 143 |
| <i>R Clips</i> | 143 |
| <i>Turnbuckle AISI 316 Hook & Eye</i> | 144 |
| <i>Turnbuckle AISI 316 Clevis & Clevis</i> | 144 |
| <i>Bottle Screws AISI 316 Toggle & Swage Stud</i> | 144 |
| <i>Stainless Steel</i> | 144 |
| <i>Bottle Screw AISI 316 Clevis Toggle & Toggle</i> | 145 |
| <i>Eyebolt AISI316 Long Shank C/W Nut & Washer</i> | 145 |
| <i>Wire Rope Grips AISI316</i> | 145 |
| <i>Wire Rope Thimbles AISI316</i> | 145 |
| <i>Eyenuits AISI 316</i> | 146 |
| <i>Eyebolt With Collar AISI 316</i> | 146 |
| <i>Standard Dee Shackles AISI 316</i> | 146 |
| <i>Snap Hook AISI 316 C/W Eyelet</i> | 146 |
| <i>S-Hook AISI 316</i> | 147 |
| <i>Fork Terminal AISI 316</i> | 147 |
| <i>Round Ring AISI 316</i> | 147 |
| <i>Saddles AISI 316</i> | 147 |

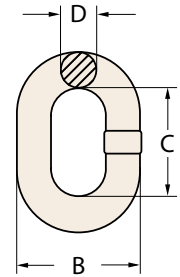
Regular Link, Proof Loaded, Galvanised Chain

Austlift Proof loaded Chain are manufactured from low carbon steel and come in a variety of link formations and used for agricultural, industrial, manufacturing, marine and general engineering applications.

- General purpose Chain with a variety of link dimensions
- Manufactured from low grade carbon steel
- Available in regular link and long link.
- Packed in 50kg pails and 500kg drum and cut length.
- Available in self colour, hot dip galvanized and zinc finish.
- NOT SUITABLE FOR LIFTING APPLICATIONS



| 50KG PAIL PAK  | | | DIMENSIONS | | | 500KG DRUM  | CUT LENGTH | |
|---|------|--------|------------|------|------|---|------------|--------|
| CODE | SIZE | LENGTH | B | C | D | CODE | LENGTH | CODE |
| Nº | mm | Mtr | mm | mm | mm | Nº | Mtr | Nº |
| 705003 | 3 | 249 | 13.1 | 15.7 | 3 | - | - | - |
| 705004 | 4 | 153 | 16 | 18.6 | 3.8 | - | - | - |
| 705005 | 5 | 96.5 | 19.4 | 22 | 4.75 | 705105 | 965 | 703705 |
| 705006 | 6 | 60 | 23.5 | 26 | 6 | 705106 | 600 | 703706 |
| 705008 | 8 | 37 | 29.5 | 32 | 7.6 | 705108 | 370.5 | 703708 |
| 705010 | 10 | 23.5 | 36 | 39 | 9.5 | 705110 | 235.5 | 703710 |
| 705013 | 13 | 13.8 | 46 | 49 | 12 | 705113 | 138.5 | 703713 |
| 705016 | 16 | 9 | 56 | 60 | 16 | 705116 | 91 | 703716 |

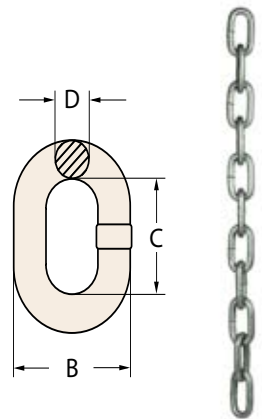
*J705010: 10mm x 12Metres in 25kg Pail.



- NOT FOR LIFTING APPLICATIONS

Long Link, Proof loaded, Galvanised Chain

| 50KG PAIL PAK  | | | DIMENSIONS | | | 500KG DRUM  | CUT LENGTH | |
|---|------|--------|------------|------|-----|---|------------|--------|
| CODE | SIZE | LENGTH | B | C | D | CODE | LENGTH | CODE |
| Nº | mm | Mtr | mm | mm | mm | Nº | Mtr | Nº |
| 704105 | 5 | 103 | 21.8 | 29.3 | 5 | 704205 | 1030 | 704305 |
| 704106 | 6 | 64 | 26.1 | 34.5 | 6.3 | 704206 | 640 | 704306 |
| 704108 | 8 | 39 | 31.9 | 41.3 | 8 | 704208 | 390.5 | 704308 |
| 704110 | 10 | 25 | 38.7 | 49 | 10 | 704210 | 251 | 704310 |



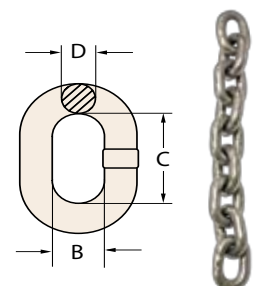
NOTE: Dimensions stated are approximate and subject to commercial tolerances.

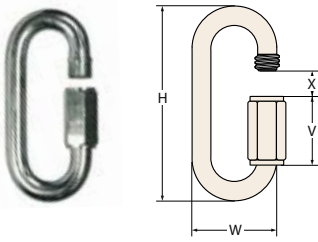
Regular Link G316 Stainless Steel Chain

Austlift Stainless Steel Chain is manufactured from G316 Stainless which is highly resistant to corrosion in acid and alkaline and is well suited for Marine applications

- Available in a drum or cut lengths to suit your requirements
- NOT FOR LIFTING APPLICATIONS

| 500KG DRUM | | | DIMENSIONS | | | CUT LENGTH |
|------------|------|--------|------------|----|----|------------|
| CODE | SIZE | LENGTH | B | C | D | CODE |
| Nº | mm | Mtr | mm | mm | mm | Nº |
| 706004 | 4 | 1644 | 7 | 19 | 4 | 706104 |
| 706006 | 6 | 717 | 27 | 27 | 6 | 706106 |
| 706008 | 8 | 386 | 32 | 32 | 8 | 706108 |
| 706010 | 10 | 250 | 38 | 38 | 10 | 706110 |

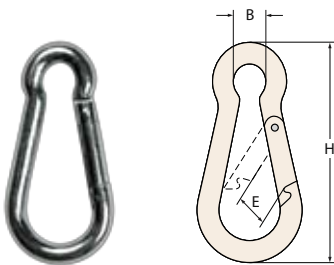




Austlift Quick Links are used as a temporary way to connect commercial fittings commonly used with Chain.

- Manufactured with low carbon steel.
- Sizes available from 4mm to 16mm.
- Oval shaped with a hex screw lock gateway.
- Available in zinc plated finish only.
- NOT FOR LIFTING APPLICATIONS.

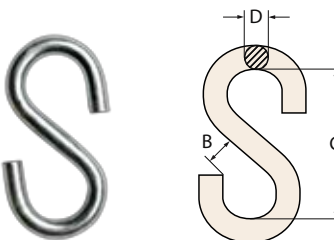
| CODE | SIZE | OPENING | DIMENSIONS | | |
|--------|------|---------|------------|---------|---------|
| | mm | | SIZE mm | H mm | V mm |
| 701504 | 4 | 5.5mm | 39 | 12.5 | 19 |
| 701505 | 5 | 6.5mm | 48 | 15 | 23 |
| 701506 | 6 | 7.5mm | 57 | 19 | 26 |
| 701508 | 8 | 10mm | 76 | 23 | 34 |
| 701510 | 10 | 12mm | 89 | 29 | 40 |
| 701512 | 12 | 15mm | 107 | 32 | 49 |
| 701516 | 16 | 19mm | 140 | 43 | 61 |



Austlift Snap Hooks are used as a temporary way for connecting commercial products and as a light duty hanging devise that snap lock.

- Manufactured with low carbon steel.
- Sizes available from 4mm to 15mm
- Key hole shaped with a spring catch.
- Available in zinc plated finish only.
- NOT FOR LIFTING APPLICATIONS.

| CODE | SIZE | DIMENSIONS | | |
|--------|------|------------|---------|---------|
| | mm | B mm | E mm | H mm |
| 702004 | 4 | 7 | 7 | 40 |
| 702005 | 5 | 8 | 7 | 50 |
| 702006 | 6 | 9 | 8 | 60 |
| 702008 | 8 | 12 | 9 | 80 |
| 702010 | 10 | 15 | 11 | 100 |
| 702012 | 12 | 20 | 19 | 140 |
| 702015 | 15 | 22 | 35 | 200 |



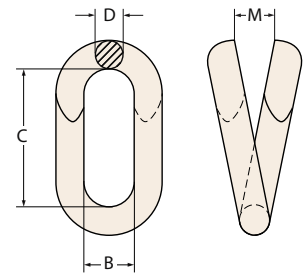
Austlift S-hooks are commonly used as a hanging devise and other general purpose applications

- Manufactured with low carbon steel.
- Sizes available from 3mm to 10mm
- S shaped hook.
- Available in zinc plated finish only.
- NOT FOR LIFTING APPLICATIONS.

| CODE | SIZE | DIMENSIONS | | |
|--------|------|------------|---------|---------|
| | mm | B mm | C mm | D mm |
| 703003 | 3 | 4 | 23.8 | 3 |
| 703004 | 4 | 5.5 | 31.8 | 4 |
| 703005 | 5 | 8 | 39.7 | 5 |
| 703006 | 6 | 8.7 | 47.6 | 6 |
| 703008 | 8 | 11.9 | 65.1 | 8 |
| 703010 | 10 | 13.5 | 80.1 | 9.5 |

Austlift Split Links are used as a more permanent way to connect commercial fittings commonly used with Chain products.

- Manufactured from mild steel
- Sizes available from 3mm to 13mm.
- Chain link shaped with large split gap for ease of attachment.
- Electroplated finish for anti-corrosion and ease of welding.
- NOT FOR LIFTING APPLICATIONS.

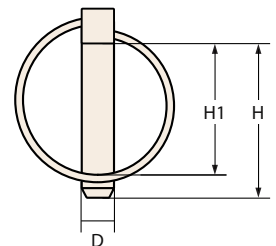


| CODE | SIZE | | DIMENSIONS | | |
|--------|------|------|------------|------|------|
| | mm | B mm | C mm | D mm | M mm |
| 701030 | 3 | 6.5 | 16.5 | 3 | 4 |
| 701040 | 4 | 8 | 20 | 4 | 5.5 |
| 701050 | 5 | 9.5 | 23 | 5 | 6 |
| 701060 | 6 | 10.5 | 29 | 6 | 7 |
| 701080 | 8 | 15 | 37 | 8 | 9 |
| 701110 | 10 | 17 | 37.5 | 10 | 10 |
| 701130 | 13 | 20 | 40 | 13 | 13 |

Lynch Pin

Austlift Lynch Pins are commonly used as a positive securing device for shaft pins.

- Pin sizes from 4mm to 10mm available
- Made from low carbon steel and zinc plated.
- NOT FOR LIFTING APPLICATIONS.

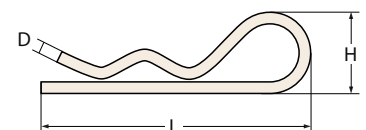


| CODE | DIMENSIONS | | |
|--------|------------|------|-------|
| | D mm | H mm | H1 mm |
| 701304 | 4 | 40 | 32.5 |
| 701306 | 6 | 40 | 32.5 |
| 701308 | 8 | 40 | 32.5 |
| 701310 | 10 | 40 | 34.5 |

R Clips

Austlift R-Clips are commonly used as a removable securing pin for shafts.

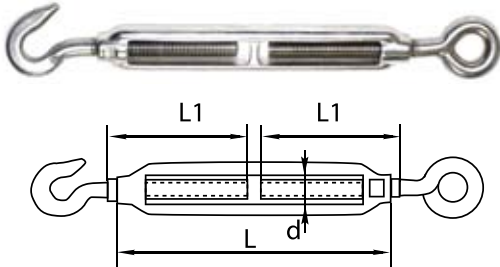
- Pin sizes from 3mm to 6mm available.
- Made from low carbon steel and zinc plated.
- NOT FOR LIFTING APPLICATIONS.



| CODE | | DIMENSIONS | | |
|--------|------------------------------|------------|-------|-------|
| | | D(mm) | L(mm) | H(mm) |
| 701203 | 3mm Wire Suite 10-12mm Shaft | 3 | 67 | 20 |
| 701204 | 4mm Wire Suite 12-22mm Shaft | 4 | 88 | 28 |
| 701205 | 5mm Wire Suite 16-27mm Shaft | 5 | 106 | 35 |
| 701206 | 6mm Wire Suite 19-32mm Shaft | 6 | 120 | 44 |


STAINLESS STEEL FITTINGS NOT FOR LIFTING APPLICATIONS.
Turnbuckle AISI 316 Hook & Eye

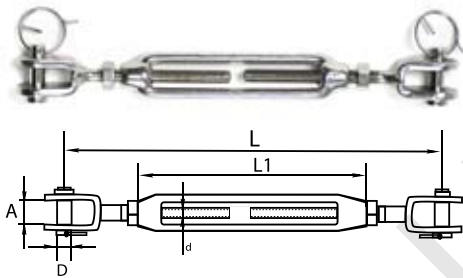
Austlift Stainless Steel Hook and Eye Turnbuckles used as a tensioning device and commonly use for Architectural, Rigging and Marine applications.



| | | | | | | |
|---------------|--------|--------|--------|--------|--------|--------|
| Code: | 720305 | 720306 | 720308 | 720310 | 720312 | 720316 |
| Size(d) MM | M5 | M6 | M8 | M10 | M12 | M16 |
| L | 70 | 90 | 120 | 150 | 200 | 250 |
| L1 | 35 | 44 | 59 | 73 | 95 | 116 |

Turnbuckle AISI 316 Clevis & Clevis

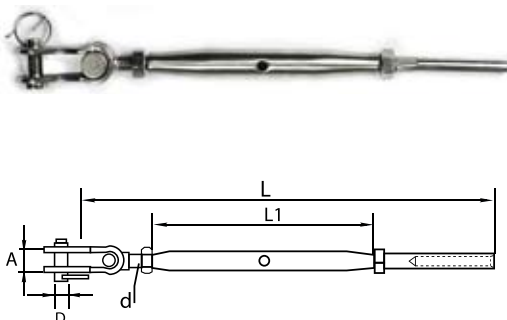
Austlift Stainless Steel Clevis and Clevis Turnbuckles used as a tensioning device and commonly use for Architectural, Rigging and Marine applications.



| | | | | | | |
|---------------|--------|--------|--------|--------|--------|--------|
| Code: | 720505 | 720506 | 720508 | 720510 | 720512 | 720516 |
| Size(d) MM | M5 | M6 | M8 | M10 | M12 | M16 |
| L | 121 | 145 | 180 | 225 | 300 | 380 |
| L1 | 70 | 90 | 120 | 150 | 200 | 250 |
| A | 6 | 7.5 | 10 | 12 | 14 | 16 |
| D | 5.2 | 6.2 | 8.7 | 9.7 | 12.6 | 16 |

Bottle Screws AISI 316 Toggle & Swage Stud

Austlift Stainless Steel Clevis Toggle and Stud Bottle Screw used as a tensioning device and commonly use for Architectural, Balustrade Rigging and Marine applications.

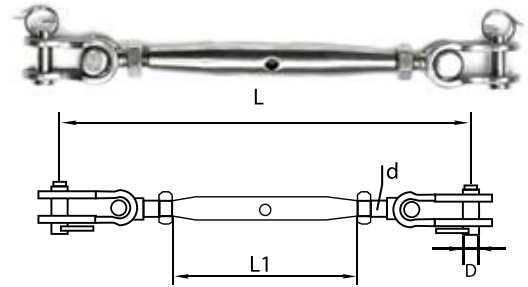


| | | | | | |
|---------------|--------|--------|--------|--------|--------|
| Code: | 721008 | 721010 | 721012 | 721016 | 721020 |
| Size(d) MM | M8 | M10 | M12 | M16 | M20 |
| L | 208 | 250 | 297 | 396 | 458 |
| L1 | 105 | 125 | 150 | 190 | 210 |
| A | 9 | 12 | 13 | 18 | 22 |
| D | 8 | 9 | 12 | 16 | 19 |
| ROPE(Φ) | 4 | 5 | 6 | 8 | 10 |

Bottle Screw AISI 316 Clevis Toggle & Toggle

Austlift Stainless Steel Clevis Toggle and Toggle Bottle Screw used as a tensioning device and commonly use for Architectural, Balustrade Rigging and Marine Applications.

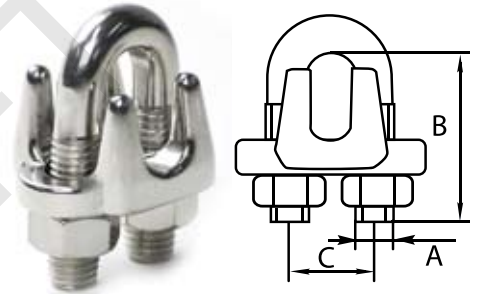
| | | | | | |
|------------|--------|--------|--------|--------|--------|
| Code: | 720908 | 720910 | 720912 | 720916 | 720920 |
| Size(d) MM | M8 | M10 | M12 | M16 | M20 |
| L | 195 | 223 | 275 | 405 | 472 |
| L1 | 105 | 125 | 150 | 190 | 210 |
| A | 9 | 12 | 13 | 18 | 22 |
| D | 8 | 9 | 12 | 16 | 19 |



Wire Rope Grips AISI 316

Austlift Stainless Steel Wire Rope Grips are for use with Stainless Wire Rope to form a loop to produce a termination for Architectural Rigging applications.

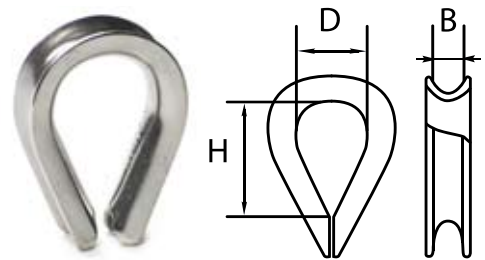
| | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|
| Code: | 721203 | 721204 | 721205 | 721206 | 721208 | 721210 | 721212 |
| Size MM | 3 | 4 | 5 | 6 | 8 | 10 | 12 |
| B | 17 | 20.5 | 20.5 | 27.5 | 33 | 41 | 49 |
| C | 7.6 | 9.5 | 11.5 | 13.5 | 17 | 21 | 24.5 |
| A | M3 | M4 | M5 | M6 | M8 | M10 | M12 |



Wire Rope Thimbles AISI 316

Austlift Stainless Steel Wire Rope Thimbles are for use with Stainless Wire Rope to form a protective loop to produce a termination for Architectural Rigging applications.

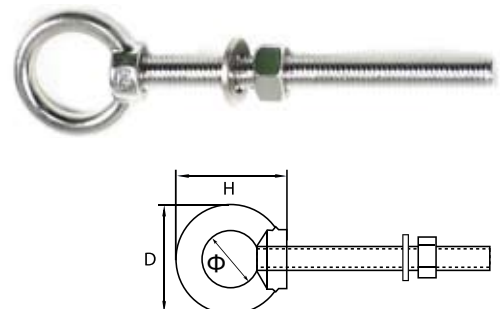
| | | | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Code | 721403 | 721404 | 721405 | 721406 | 721407 | 721408 | 721410 | 721412 | 721413 |
| Size MM | 2.5x3 | 3.5x4 | 4x5 | 5x6 | 6x7 | 7x8 | 9x10 | 10x12 | 12x13 |
| D | 12 | 13 | 14 | 16 | 18 | 20 | 24 | 28 | 30 |
| H | 19 | 21 | 23 | 25 | 28 | 32 | 38 | 45 | 48 |
| B | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 | 13 |



Eyebolt AISI 316 Long Shank C/W Nut & Washer

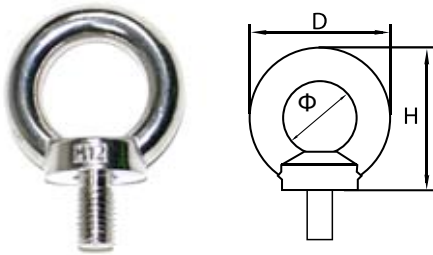
Austlift Stainless Steel Collared Eye Bolt Long Shank, used as an anchor point and with long shank has a wide variety of applications.

| | | | | |
|------------|--------|--------|---------|---------|
| Code: | 722006 | 722008 | 722010 | 722012 |
| Size(D) MM | M6x80 | M8x80 | M10x100 | M12x120 |
| D | 26 | 31 | 39 | 45 |
| Φ | 16 | 19 | 25 | 29 |
| H | 30 | 34 | 42 | 47 |



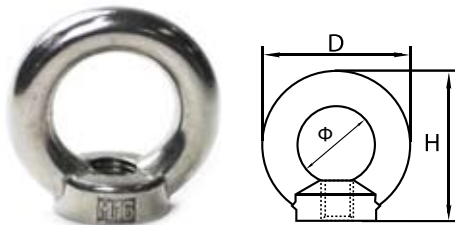
Eyebolt with Collar AISI 316

Austlift Stainless Steel Collared Eye Bolt, used as an anchor point and has a wide variety of applications.



| | | | | | |
|---------------|--------|--------|--------|--------|--------|
| Code: | 721606 | 721608 | 721610 | 721612 | 721616 |
| Size(D) MM | M6 | M8 | M10 | M12 | M16 |
| D | 36 | 36 | 45 | 54 | 63 |
| Φ | 20 | 20 | 25 | 30 | 35 |
| H | 36 | 36 | 45 | 53 | 62 |

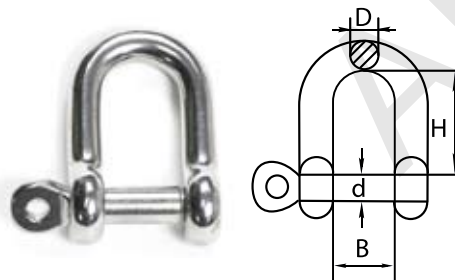
Austlift Stainless Steel Collared Eye Nut, used as an anchor point and has a wide variety of applications.



| | | | | | |
|---------------|--------|--------|--------|--------|--------|
| Code: | 721806 | 721808 | 721810 | 721812 | 721816 |
| Size(D) MM | M6 | M8 | M10 | M12 | M16 |
| D | 36 | 36 | 45 | 54 | 63 |
| Φ | 20 | 20 | 25 | 30 | 35 |
| H | 36 | 36 | 45 | 53 | 62 |

Standard Dee Shackles AISI 316

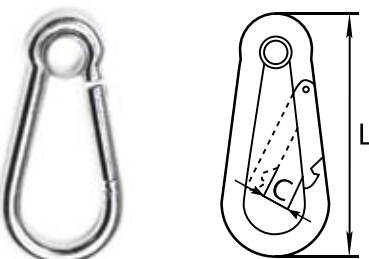
Austlift Stainless Steel Dee Shackles, used as a temporary connection devise and has a wide variety of applications.



| | | | | | |
|---------------|--------|--------|--------|--------|--------|
| Code: | 720106 | 720108 | 720110 | 720112 | 720116 |
| Size(D) MM | 6 | 8 | 10 | 12 | 16 |
| d | 6 | 8 | 10 | 12 | 16 |
| B | 13 | 17 | 18 | 25 | 32 |
| H | 22 | 29 | 32 | 40 | 52 |

Snap Hook AISI 316 C/W Eyelet

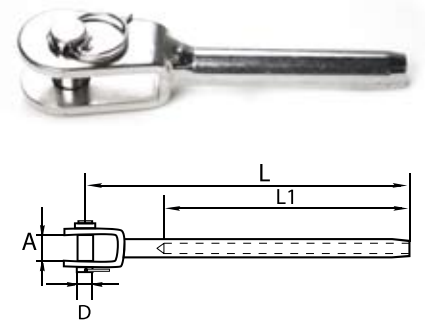
Austlift Stainless Steel Snap Hook, used as a temporary connection devise and has a wide variety of applications.



| | | | | | | | |
|------------|--------|--------|--------|--------|--------|--------|--------|
| Code: | 722206 | 722207 | 722208 | 722209 | 722210 | 722211 | 722212 |
| Size MM | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| L | 60 | 70 | 80 | 90 | 100 | 120 | 140 |
| C | 8 | 8 | 9 | 10 | 11 | 16 | 19 |

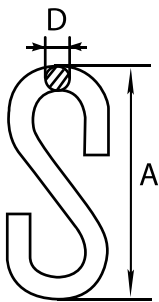
Austlift Stainless Steel Fork Terminal used as a wire termination and commonly use for Architectural, Balustrade, Rigging and Marine applications.

| | | | | | | | |
|---------|--------|--------|--------|--------|--------|--------|--------|
| Code: | 722604 | 722605 | 722606 | 722607 | 722608 | 722609 | 722610 |
| Size MM | 4 | 5 | 6 | 7 | 8 | 9.5 | 10 |
| A | 10 | 12 | 14 | 14.5 | 16 | 17 | 17 |
| D | 6.2 | 8.7 | 9.7 | 12.6 | 14.6 | 16.5 | 16.5 |
| L1 | 40 | 57 | 63 | 70 | 85 | 87 | 89 |
| L | 77 | 88 | 106 | 116 | 145 | 150 | 150 |



S-Hook AISI 316

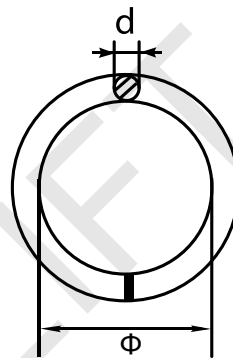
Austlift Stainless Steel S-Hook used as a hooking device and has a wide variety of applications



| | | | | |
|-----------|--------|--------|--------|--------|
| Code: | 722405 | 722406 | 722407 | 722408 |
| Size INCH | 3/16 | 1/4 | 9/32 | 5/16 |
| D | 5 | 6 | 7 | 8 |
| A | 50 | 60 | 76 | 80 |

Round Ring AISI 316

Austlift Stainless Steel Round Ring used as a ring device and has a wide variety of applications



| | | | | | | |
|------------|--------|--------|--------|--------|--------|--------|
| Code: | 722805 | 722806 | 722807 | 722808 | 722809 | 722810 |
| Size(d) MM | 5 | 6 | 7 | 8 | 9 | 10 |
| Φ | 50 | 60 | 60 | 80 | 80 | 80 |

Slide Buckle AISI 316

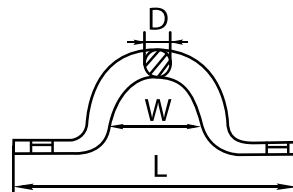
Austlift Stainless Steel Slide Buckle used as an adjustable fitting for webbing and has a wide variety of applications



| | |
|---------|--------|
| Code: | 723006 |
| Size MM | 3 |
| A(mm) | 65 |
| a(mm) | 51 |
| B(mm) | 34 |
| E(mm) | 6 |

Saddles AISI 316

Austlift Stainless Steel Saddle used as an anchor point and has a wide variety of applications



| | | | |
|-------------|--------|--------|--------|
| Code: | 723206 | 723208 | 723210 |
| Size (D) mm | 6 | 8 | 10 |
| L | 60 | 63 | 75 |
| W | 15 | 17 | 20 |

Austlift Stainless Steel Wire Rope Products
Please check Page 153

AUSTLIFT

SYDNEY

43 Frank Street Wetherill Park, NSW 2164
T. 02 9757 2277 F. 02 9757 2922

MELBOURNE

47 Technology Drive, Sunshine West VIC 3020
T. 03 9314 5525 F. 03 9314 5526

PERTH

Unit 5, 2-4 Mallaig Way Canning Vale WA 6155
T. 08 9256 3440 F. 08 9256 4408

BRISBANE

7 Durbell St Acacia Ridge, QLD 4110
T. 07 3272 0777 F. 07 3272 0788

www.austlift.com.au

AUSTRALIAN LIFTING CENTRE PTY LTD

STEEL WIRE ROPE

AUSTLIFT



1300 100 120
WWW.AUSTLIFT.COM.AU



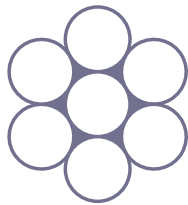
LIFTING YOUR BUSINESS TO A HIGHER LEVEL



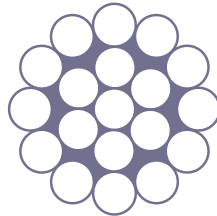
Contents

| | |
|-------------------------------------|------------|
| <i>1x19 Construction</i> | <i>153</i> |
| <i>7x7 Construction</i> | <i>154</i> |
| <i>7x19 Construction</i> | <i>154</i> |
| <i>PVC Coated 6x19 + FC G1570</i> | <i>155</i> |
| <i>PVC Coated 6x7 + FC G1570</i> | <i>155</i> |
| <i>6x7 + FC G1570</i> | <i>156</i> |
| <i>6x19 + FC G1570</i> | <i>156</i> |
| <i>6x24+FC G1570</i> | <i>157</i> |
| <i>7x7 WSC (G1570 & G2070)</i> | <i>158</i> |
| <i>7x19 WSC (G2070)</i> | <i>158</i> |
| <i>6x19S (9/9/1) + IWRC</i> | <i>159</i> |
| <i>6x25Fi + IWRC</i> | <i>159</i> |
| <i>6 x36SW + IWRC</i> | <i>160</i> |
| <i>G2070MPa</i> | <i>160</i> |
| <i>Compacted 35(W)X7 Wire Rope</i> | <i>161</i> |
| <i>Strand 1X19</i> | <i>161</i> |
| <i>35Wx7 WSC Wire Rope</i> | <i>162</i> |
| <i>18x7 FC Wire Rope</i> | <i>162</i> |
| <i>Correct Storage And Handling</i> | <i>163</i> |
| <i>How To Measure Wire Rope</i> | <i>163</i> |
| <i>Wire Rope Construction</i> | <i>163</i> |
| <i>Wire Rope Introduction</i> | <i>163</i> |
| <i>Wire Rope Terminology</i> | <i>164</i> |

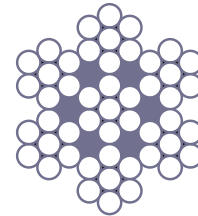
Typical Flexible Steel Wire Rope Construction



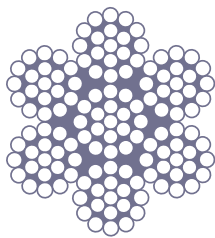
1 X 7



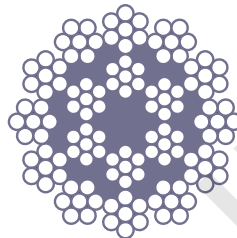
1x19



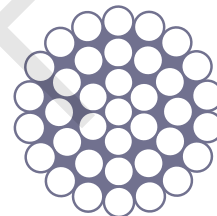
7 X 7 WSC



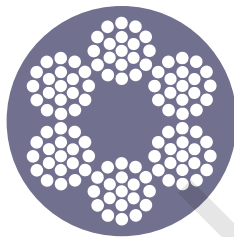
7 X 19



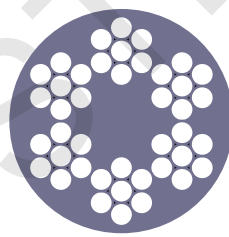
18 X 7 FC



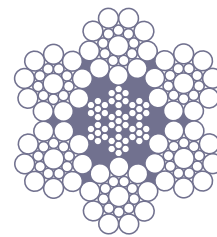
1 X 37



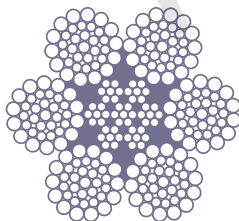
PVC 6 X 19 + FC



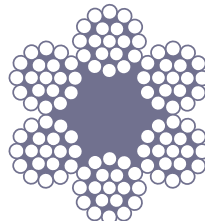
PVC 6 X 7 + FC



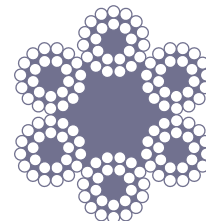
6 X 19S + IWRC



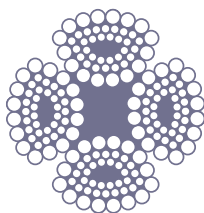
6 X 25Fi + WRC



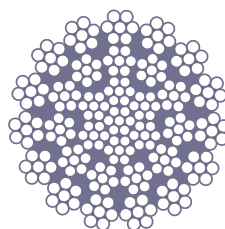
6 X 19 + FC



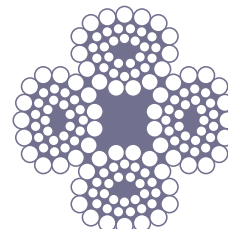
6 X 24 + FC



4V48S + 5FC



35 X 7 WSC



4V39S + 5FC

STAINLESS STEEL WIRE ROPE

Austlift Stainless Steel Wire Ropes are essential for flexible Wire Rope solutions in corrosive environments for the marine, architectural and building industries.

- Sizes from 1.2mm to 16mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Construction's of 1x19, 7x7 and 7x19 in stock.
- Conforms to AS3569, Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 reel lengths are available upon request.

Chemical analysis of alloying elements as a percentage

| | |
|------------|-----------|
| Carbon | 0.08%Max |
| Nickel | 8-10.5% |
| Chromium | 18-20% |
| Manganese | 2% Max |
| Silicon | 1% Max |
| Phosphorus | 0.045 Max |
| Sulphur | 0.03% Max |



MINIMUM BREAKING STRENGTH

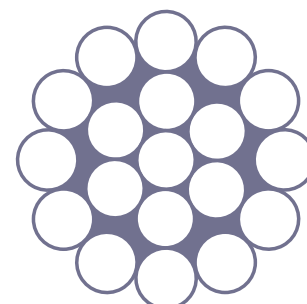
| DIAMETER | | 1X19 | | 7X7 | | 7X19 | |
|----------|-------|-------|-------|-------|-------|-------|-------|
| | | G304 | G316 | G304 | G316 | G304 | G316 |
| mm | in | kg | kg | kg | kg | kg | kg |
| 1.2 | 3/64 | 170 | 110 | 122 | 87 | 122 | 87 |
| 1.6 | 1/16 | 227 | 215 | 217 | 201 | 217 | 201 |
| 2.0 | 5/64 | 363 | 320 | 294 | 277 | 294 | 277 |
| 2.4 | 3/32 | 544 | 510 | 417 | 389 | 417 | 389 |
| 3.0 | 1/8 | 835 | 776 | 674 | 625 | 700 | 648 |
| 3.2 | 1/8 | 953 | 885 | 771 | 713 | 798 | 739 |
| 4.0 | 5/32 | 1497 | 1395 | 952 | 874 | 952 | 878 |
| 4.8 | 3/16 | 2132 | 1971 | 1678 | 1559 | 1678 | 1559 |
| 5.5 | 7/32 | 2858 | 2683 | 2177 | 2016 | 2268 | 2097 |
| 6.4 | 1 / 4 | 3720 | 3493 | 2767 | 2609 | 3176 | 2953 |
| 7.2 | 9/32 | 4673 | 4388 | 3448 | 3237 | 3539 | 3323 |
| 7.9 | 5/16 | 5671 | 5325 | 4083 | 3780 | 4083 | 3780 |
| 9.4 | 3/8 | 7940 | 8546 | 5444 | 5057 | 5444 | 5057 |
| 11.1 | 7/16 | 9382 | 8769 | 8467 | 7925 | 8480 | 7962 |
| 12.7 | 1 / 2 | 11128 | 10400 | 10967 | 10250 | 10255 | 9585 |
| 14.3 | 9/16 | 15165 | 14173 | 11892 | 11114 | 11892 | 11114 |
| 16.0 | 5/8 | 19857 | 18558 | 15536 | 14520 | 15537 | 14520 |

1x19 Construction

Austlift Stainless Steel 1 x19 Wire Ropes have a non-flexible characteristic suitable for all standing rigging, mast stays and applications where the strand rope will not incur bending.

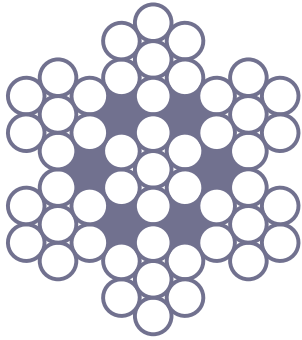
- Sizes from 1.6mm to 4.8mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569. Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 metres reel lengths are available upon request.

| CODE | DIAMETER | | WEIGHT | CODE |
|--------|----------|------|---------|--------|
| G304 | mm | in | kg/100M | G316 |
| 800163 | 1.6 | 1/16 | 1.25 | - |
| - | 2.0 | 5/64 | 2.07 | 802203 |
| - | 3.2 | 1/8 | 5.3 | 802323 |
| 800403 | 4.0 | 5/32 | 7.84 | 802403 |
| 800483 | 4.8 | 3/16 | 11.43 | 802483 |



STAINLESS STEEL WIRE ROPE

7x7 Construction

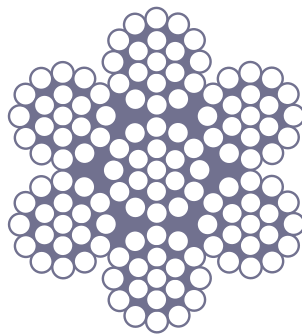


Austlift Stainless Steel 7x7 Wire Ropes have a semi-flexible characteristic suitable for use as Guard Rails, Hand Rails, Luff Wires and Struts.

- Sizes from 1.2mm to 8.0mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569. Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 metres reel lengths are available upon request.

| CODE | | DIAMETER | | WEIGHT | CODE |
|--------|--|----------|------|---------|--------|
| G304 | | mm | in | kg/100M | G316 |
| 803123 | | 1.2 | 3/64 | 1.65 | 804123 |
| 803163 | | 1.6 | 1/16 | 2.57 | 804163 |
| 803203 | | 2.0 | 5/64 | 4.6 | 804203 |
| 803243 | | 2.4 | 3/32 | 6.6 | - |
| 803253 | | 2.5 | 3/32 | 6.7 | 804253 |
| 803303 | | 3.0 | 1/8 | 10.4 | 804303 |
| 803323 | | 3.2 | 1/8 | 12.3 | 804323 |
| 803403 | | 4.0 | 5/32 | 19.2 | 804403 |
| 803483 | | 4.8 | 3/16 | 30 | - |
| - | | 5.0 | - | 30.2 | 804503 |
| - | | 6.0 | 1/4 | 43.6 | 804603 |
| 803803 | | 8.0 | 5/16 | 55.3 | 804803 |

7x19 Construction



Austlift Stainless Steel 7x19 Wire Ropes have a flexible characteristic suitable for running rigging, Fishing Nets, Slings and any other where flexible rope is required for the application.

- Sizes from 3.0mm to 10mm other sizes available upon request.
- Standard Stainless Steel grades of AISI 304 and AISI 316 available.
- Conforms to AS3569. Test Certificate available with each reel batch.
- Commonly Reel lengths are 305 metres.
- 1,000 metres reel lengths are available upon request.

| CODE | | DIAMETER | | WEIGHT | CODE |
|--------|--|----------|------|---------|--------|
| G304 | | mm | in | kg/100M | G316 |
| 801504 | | 3.0 | 1/8 | 10.3 | 807303 |
| 801505 | | 3.2 | 1/8 | 11.7 | 807323 |
| 801506 | | 4.0 | 5/32 | 18.3 | 807403 |
| 801507 | | 4.8 | 3/16 | 26.8 | 807483 |
| 801508 | | 5.0 | 3/16 | 28.6 | 807503 |
| 801510 | | 6.0 | 1/4 | 41.2 | 807603 |
| 801512 | | 8.0 | 5/16 | 73.2 | 807803 |
| 801515 | | 10.0 | 3/8 | 115 | 807950 |

Austlift Stainless Steel Fitting Products
Please check Page 144



SUPPERGAL WIRE ROPE

Austlift SUPPERGAL Wire Ropes Zinc-5% Aluminum Alloy Products

The steel wire coated with zinc- 5% aluminum alloy has aluminum oxide as grey color on the surface. The color of grey can be applied to identify the product quality and distinguish such wires from the galvanized ones. Compared with the galvanized wire, the zinc-5% aluminum alloy wire has advantages as follows:

- With the same thickness of coating, zinc-5% aluminum alloy wire has better corrosion resistance about 2-6 times than galvanized one. In the humid places such as seaside, the corrosion resistance of zinc-5% aluminum alloy wire proves to be more prominent.
- The surface of zinc-5% aluminum alloy wire is 2-3 times harder than galvanized wire, which can protect the surface from scratch.
- The coating adhesion on the pure iron is stronger and better.
- Sizes from 5mm to 32mm upon request.



PVC COATED WIRE ROPE

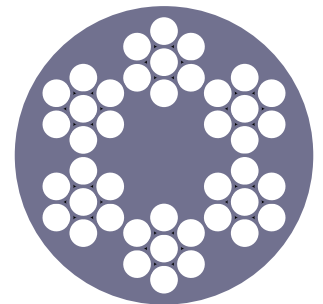
Austlift PVC Coated Galvanized Wire Ropes have a flexible characteristic with polyvinyl chloride UV proof coating suitable for general purpose, Architectural, Marine, Stage/Theatre or wherever PVC rope is required for the application.

- Sizes available from 2mm - 3mm PVC to 10mm wire – 12mm PVC.
- Normally supplied in blue. Other colour available upon request. Clear, Black, Red, Yellow.
- Construction of 6x7FC and 6x19FC with standard grade of G1570 available.
- Conforms to AS3569, Test Certificate available with each reel batch.
- Reel lengths available 1,000 metres.
- 500 metre available upon request.



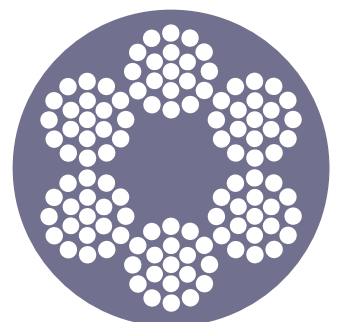
PVC Coated 6x7 + FC G1570

| CODE | DIAMETER | | Minimum Breaking Strength G1570 kN | WEIGHT kg/100M |
|--------|------------|-----------|--|-------------------|
| | Core mm | PVC mm | | |
| 810020 | 2 | 3 | 2.1 | 15 |
| 810030 | 3 | 4 | 4.7 | 32 |
| 810035 | 3.5 | 5 | 6.2 | 42 |
| 810040 | 4 | 6 | 8.4 | 57 |



PVC Coated 6x19 + FC G1570

| CODE | DIAMETER | | Minimum Breaking Strength G1570 kN | WEIGHT kg/100M |
|--------|------------|-----------|--|-------------------|
| | Wire mm | PVC mm | | |
| 811035 | 3.5 | 5.0 | 6.4 | 4.6 |
| 811040 | 4.0 | 6.0 | 8.5 | 6.1 |
| 811050 | 5.0 | 7.0 | 13.2 | 9.5 |
| 811060 | 6.0 | 8.0 | 19.3 | 13.7 |
| 811080 | 8.0 | 10 | 33.3 | 18.7 |

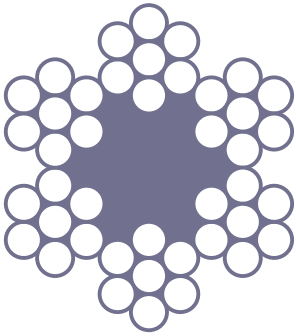


FIBRE CORE GALVANISED WIRE ROPE

6x7 + FC G1570

Austlift 6x7 Fibre Core Galvanized Wire Ropes have a flexible characteristic and suitable for, guying barrier wire, catenary, traveling irrigation cable, marine and general purpose uses wherever rope is required for the application.

- Sizes available from 1.6mm to 8mm with standard grade of G1570.
- Supplied reel lengths available are 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

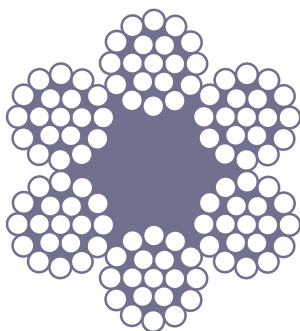


| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|--------|----------|---------------------------|---------|
| | mm | G1570 kN | kg/100M |
| 867016 | 1.6 | 1.3 | 0.9 |
| 867020 | 2 | 2.1 | 1.4 |
| 867025 | 2.5 | 3.9 | 2.1 |
| 867030 | 3 | 4.7 | 3.2 |
| 867035 | 3.5 | 5.6 | 3.9 |
| 867040 | 4 | 8.4 | 5.7 |
| 867050 | 5 | 13.0 | 8.9 |
| 867060 | 6 | 18.7 | 12.9 |
| 867080 | 8 | 25.5 | 17.8 |

6x19 + FC G1570

Austlift 6x19 Fibre Core Galvanized Wire Ropes have a flexible characteristic and suitable for, engineering, winch, pulling, marine, slings and general purpose uses wherever rope is required for the application.

- Sizes available from 3.0mm to 9mm with standard grade of G1570.
- Supplied reel lengths available are 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

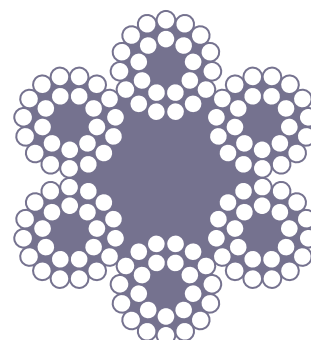


| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|--------|----------|---------------------------|---------|
| | mm | G1570 kN | kg/100M |
| 869030 | 3.0 | 4.26 | 3.1 |
| 869035 | 3.5 | 5.8 | 4.2 |
| 869040 | 4 | 7.7 | 5.5 |
| 869050 | 5 | 12.0 | 8.6 |
| 869060 | 6 | 17.6 | 12.4 |
| 869080 | 8 | 30.9 | 22.1 |
| 869090 | 9 | 39.1 | 28.0 |

Austlift 6x24 Fibre Core Galvanized Wire Ropes have very flexible characteristic and suitable for, Slings, Static Lines, Hoists, Winches or general purpose uses wherever rope is required for the application.

- Sizes available from 6mm to 24mm with standard grade of G1570.
- Supplied reel lengths available are 500 metre and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|------------|----------|---------------------------|---------|
| 1000M Reel | mm | G1570 kN | kg/100M |
| 864060 | 6 | 15.8 | 11.4 |
| 864080 | 8 | 28.2 | 20.4 |
| 864100 | 10 | 44.0 | 31.8 |
| 864120 | 12 | 63.3 | 45.8 |
| 864130 | 13 | 74.3 | 53.8 |
| 864140 | 14 | 86.2 | 62.4 |
| 864160 | 16 | 113 | 81.5 |
| 864180 | 18 | 143 | 103 |
| 864200 | 20 | 176 | 127 |
| 864220 | 22 | 213 | 154 |
| 864240 | 24 | 253 | 183 |



| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|-----------|----------|---------------------------|---------|
| 500M Reel | mm | G1570 kN | kg/100M |
| 864225 | 22 | 213 | 154 |
| 864245 | 24 | 253 | 183 |

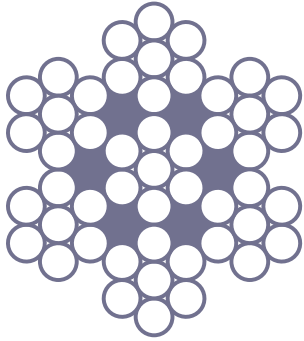
* Some size 1000M Reel available, please check with us.



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

STEEL CORE GALVANISED WIRE ROPE

7x7 WSC (G1570 & G2070)



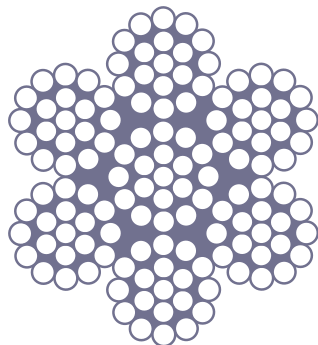
Irrigation Cable

Austlift 7x7 Steel Core galvanized Wire Ropes have a semi-flexible characteristic and suitable for, irrigation wires, guy wires catenary or general purpose uses wherever stiff rope is required for the application.

- Sizes available from 1.6mm to 10mm with standard grade of G1570 and G2070.
- Supplied reel lengths available are 1,000 , 2,000 and 3,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

| CODE | GRADE | DIAMETER | Minimum Breaking Strength | MASS |
|---------|-------|----------|---------------------------|---------|
| | | mm | kN | kg/100M |
| 877016 | G1570 | 1.6 | 1.73 | 1.26 |
| 877020 | G1570 | 2.0 | 2.3 | 1.6 |
| 877025 | G1570 | 2.5 | 3.14 | 3.0 |
| 877025N | G1770 | 2.5 | 3.54 | 3.0 |
| 877030 | G1570 | 3.0 | 5.2 | 3.6 |
| 877040 | G1570 | 4 | 9.2 | 6.3 |
| 878050 | G2070 | 5 | 18.8 | 9.9 |
| 878060 | G2070 | 6 | 27 | 14.3 |
| 878070 | G2070 | 7 | 37 | 19.7 |
| 878080 | G2070 | 8 | 47.4 | 25.2 |
| 878090 | G2070 | 9 | 60 | 32 |
| 878100 | G2070 | 10 | 74 | 39.2 |

7x19 WSC (G2070)



Aircraft Cable

Austlift 7x19 Steel Core galvanized Wire Ropes have a flexible characteristic and suitable for, winch cable, running rigging, control cable, guying or general purpose uses wherever flexible rope is required for the application.

- Sizes available from 3.0mm to 12mm with standard grade of G2070.
- Supplied reel lengths available are 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

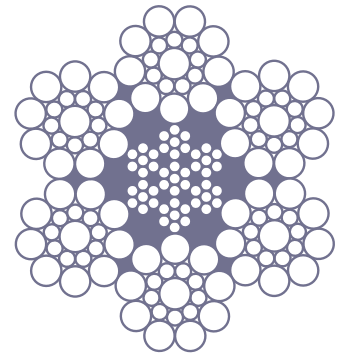
| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|--------|----------|---------------------------|---------|
| | mm | G2070 kN | kg/100M |
| 879030 | 3.0 | 7.8 | 3.68 |
| 879032 | 3.2 | 8.9 | 4.2 |
| 879035 | 3.5 | 8.4 | 4.6 |
| 879040 | 4 | 11.2 | 6.1 |
| 879050 | 5 | 17.4 | 9.5 |
| 879060 | 6 | 25.4 | 13.7 |
| 879080 | 8 | 43.9 | 24.4 |
| 879100 | 10 | 68.6 | 38.1 |
| 879120 | 12 | 98.9 | 54.8 |



Austlift 6x19S Steel Core supplied Wire Ropes have a flexible characteristic and suitable for, logging wire, aerial, winch cable, or Pulling use wherever flexible rope is required for the application.

- Sizes available from 12mm to 28mm with standard grade of 1770 and 2070.
- Black or Galvanized finish in stock.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

| | DIA. | Minimum Breaking Strength | MASS |
|----------|------|------------------------------|---------|
| Black | mm | G1770 kN | kg/100M |
| 822120 | 12 | 90.8 | 60.2 |
| 822130** | 13 | 106 | 70.65 |
| 822140** | 14 | 124 | 82.0 |
| 822160** | 16 | 161 | 107 |
| 822185 | 18 | 204 | 129.5 |
| 822205 | 20 | 252 | 160 |
| 822225 | 22 | 305 | 193.5 |
| 822265 | 26 | 426 | 270.5 |
| 822285 | 28 | 494 | 313.5 |



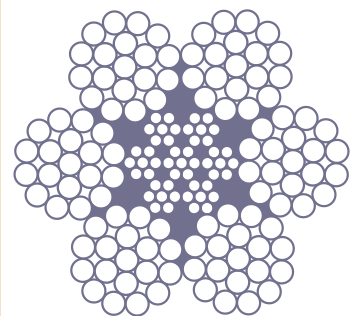
**821140 Gal 14mm, 821160 Gal 16mm deleted stock line available until sold out.

6x25Fi + IWRC

Austlift 6x25 Steel Core Wire Ropes have a flexible characteristic suitable for general engineering, hoisting, slings or general purpose wherever flexible rope is required for the application.

- Sizes available from 9mm to 26mm with standard grade of 1770.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.
- Galvanized finish.

| CODE | DIA. | Minimum Breaking Strength | MASS |
|--------|------|------------------------------|---------|
| Gal* | mm | G1770 kN | kg/100M |
| 826090 | 9 | 51.1 | 34.8 |
| 826100 | 10 | 63.1 | 43 |
| 826110 | 11 | 76.3 | 52 |
| 826165 | 16 | 161 | 110 |
| 826185 | 18 | 204 | 138 |
| 826205 | 20 | 252 | 167 |
| 826225 | 22 | 305 | 202 |
| 826265 | 26 | 426 | 283 |

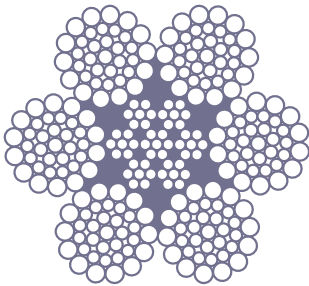


*Limited size available in Black. Please check with us.

6 x36SW + IWRC

Austlift 6x36 Steel Core Wire Ropes have a flexible characteristic and suitable for engineering, slings, derrick cranes or general purpose uses wherever flexible rope is required for the application.

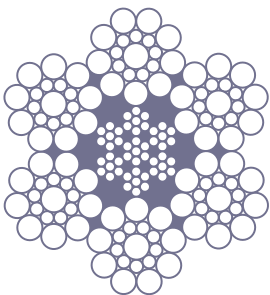
- Sizes available from 14mm to 32mm with standard grade of 1770 and 2070 available.
- Black/Gal finish.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



| CODE | | DIA. mm | Minimum Breaking Strength 1770Mpa KN | MASS KG/100M |
|-------------------------|--------|------------|---|-----------------|
| Black | Gal | | | |
| 837125 | 836125 | 12 | 90.8 | 60.2 |
| 837135 | 836135 | 13 | 107 | 70.7 |
| 837145 | 836145 | 14 | 124 | 84.3 |
| 837165 | 836165 | 16 | 161 | 110 |
| 837185 | 836185 | 18 | 204 | 138 |
| 837205 | 836205 | 20 | 252 | 167 |
| 837225 | 836225 | 22 | 305 | 202 |
| 837245 | 836245 | 24 | 363 | 240.5 |
| 837265 | 836265 | 26 | 426 | 282.2 |
| 837285 (837286 LHOL) | - | 28 | 494 | 327.3 |
| 837325 | - | 32 | 646 | 427.5 |

G2070MPa

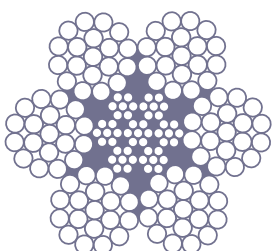
GALVANISED WINCH ROPES



6x19S + IWRC RHOL

Austlift 6x19s & 6x25fi Steel Core Wire Rope have a high strength characteristic and suitable for Wire Rope Hoist or winching purposes uses wherever high capacity rope is required for the application.

- Sizes available are 8.3mm, 11.4mm and 16.4mm
- Galvanized finish, standard grade of 2070 available.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.



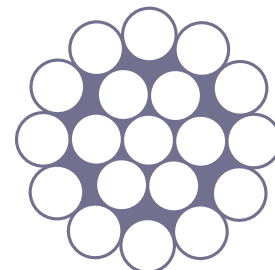
6x25Fi + IWRC RHOL

| CODE | DIA. | CONSTRUCTION | Minimum Breaking Strength | MASS |
|--------|------|-------------------|---------------------------|---------|
| | mm | | 2070 MPa kN | kg/100M |
| 821085 | 8.3 | 6 X 19S RHOL WRC | 47 | 24.4 |
| 825110 | 11.4 | 6 X 25FW RHOL WRC | 89 | 50.6 |
| 825165 | 16.4 | 6 X 25FW RHOL WRC | 188 | 107 |

CLASS A GALVANISED STEEL WIRE STRANDS
Strand 1X19

Austlift 1x19 Galvanized Strand Class A Wire Ropes have a Non-flexible characteristic and suitable for guy wires, architectural rigging, support ropes or uses wherever non-flexible rope is required for the application.

- Sizes from 8mm to 20mm with standard grade G1570 available.
- Class A Galvanized finish for optimum corrosion resistance.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS 2841, Test Certificate available with each reel.



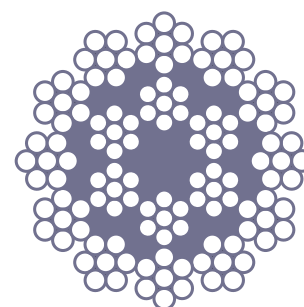
| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|---------|----------|---------------------------|---------|
| | mm | 1570MPa | kg/100M |
| 891080 | 8 | 56.3 | 32.2 |
| 891100 | 10 | 88 | 50.4 |
| 891120* | 12 | 126 | 72.6 |
| 891140 | 14 | 172 | 98.8 |
| 891165* | 16 | 210 | 129 |
| 891185* | 18 | 265 | 163 |
| 891205* | 20 | 368 | 212 |

*Non- stocked item.

CRANE ROPES
18x7 FC Wire Rope

Austlift 18x7 non-rotating Wire Ropes have a non-spin characteristic suitable for lifting rope on cranes.

- Sizes available from 6mm to 19mm with standard grade of 2070.
- Black and Galvanized finish.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

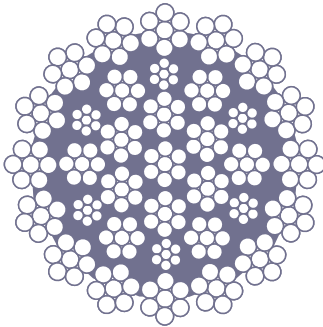


Non Rotating

| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|--------|----------|---------------------------|---------|
| 500M | mm | 2070 kN | kg/100M |
| 887065 | 6 | 23.7 | 13.8 |
| 887085 | 8 | 42.1 | 24.5 |
| 887095 | 9 | 53.4 | 31 |
| 887105 | 10 | 66.1 | 38.3 |
| 887115 | 11 | 79.8 | 46.3 |
| 887125 | 12 | 95 | 55.1 |
| 887135 | 13 | 111 | 64.7 |
| 887145 | 14 | 130 | 75 |
| 887165 | 16 | 168 | 98 |

CRANE ROPES

35Wx7 WSC Wire Rope



Non Rotating

Austlift 35Wx7 non-rotating Wire Ropes have a Non-spin characteristic suitable for lifting rope on cranes.

- Sizes available from 12mm to 24mm with standard grade of 2070.
- Black and Galvanized finish.
- Supplied reel lengths available are 500 metres and 1,000 metres.
- Conforms to AS3569, Test Certificate available with each reel batch.

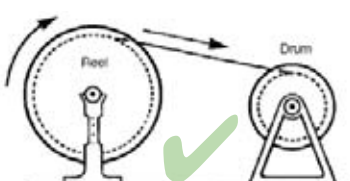
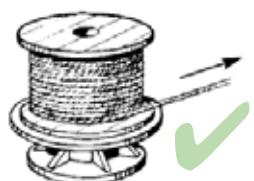
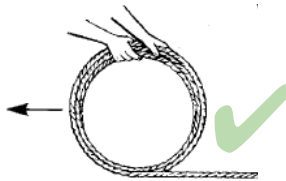


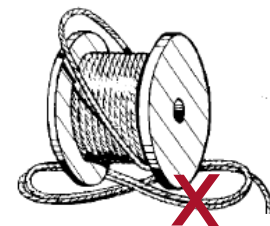
| CODE | DIAMETER | Minimum Breaking Strength | MASS |
|--------|----------|---------------------------|---------|
| 500M | mm | 2070 kN | kg/100M |
| 888125 | 12 | 107.7 | 66.2 |
| 888135 | 13 | 126 | 77.7 |
| 888145 | 14 | 145 | 90.1 |
| 888165 | 16 | 191 | 117.8 |
| 888185 | 18 | 241 | 149 |
| 888195 | 19 | 269 | 166 |
| 888205 | 20 | 297 | 184 |
| 888225 | 22 | 361 | 222.6 |
| 888245 | 24 | 428 | 265 |

WIRE ROPE INTRODUCTION

CORRECT STORAGE AND HANDLING

Store wire away from moisture and not directly on the floor. When wire is to be stored for a long period, reels should be turned over as lubricants can settle — especially in hot climates. Check lubricant when using wire that has been stored. Add new lubricant if necessary.

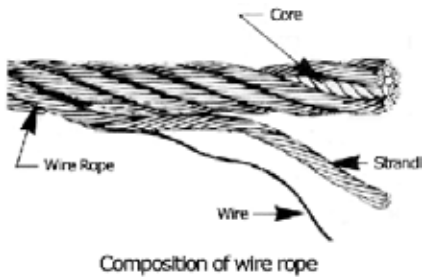
CORRECT STORAGE AND HANDLING

| | | | |
|--------------------------------------|---|--|---|
| Correct Method of handling Wire Rope |  |  |  |
| Incorrect handling of Wire Rope |  |  |  |



WIRE ROPE INTRODUCTION

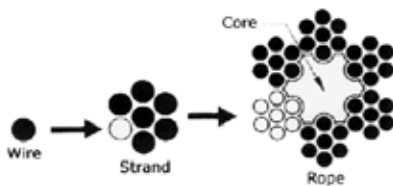
GENERAL DESCRIPTION



Steel Wire Ropes are made up of a number of Strands which are composed of a number of wires laid or wound around a central Core in a symmetrical manner, with uniform pitch and direction. The result is a strong, flexible and versatile product, with a variety of applications from boat winch cables to structural suspension bridges and cranes. Steel Wire Ropes can be supplied in various sizes, constructions, grades and finishes depending upon the application.

WIRE ROPE CONSTRUCTION

The main components of a Wire Rope are shown below.

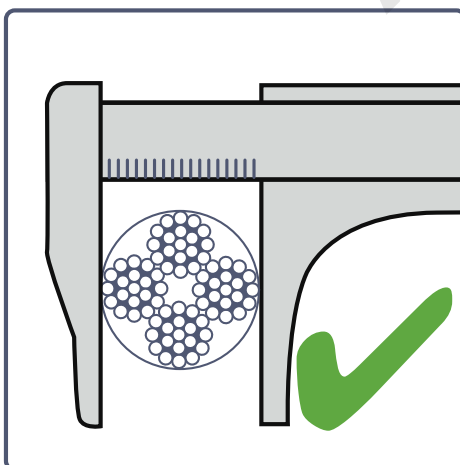


In the above example, each individual wire is arranged around a central wire to form a 7-wire strand. Six of these strands are formed around a central core to make a Wire Rope. The rope is specified as 6x7 (6/1) - i.e. six strands each of seven wires.

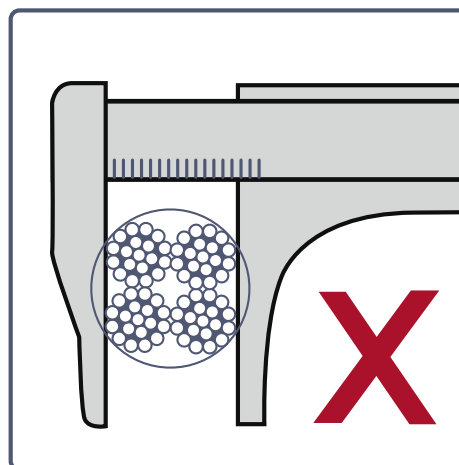
The size and number of wires in each strand, as well as the size and number of strands in the rope greatly affect the characteristics of the rope. In general, a large number of small-size wires and strands produce a flexible rope with good resistance to bending fatigue. The rope construction is also important for tensile loading (static, live or stock), abrasive wear, crushing, corrosion and rotation.

HOW TO MEASURE WIRE ROPE

Ropes are referred to by a diameter size. The correct way to measure Wire Rope:



Correct Method



Incorrect Method



WIRE ROPE TERMINOLOGY

Round Strand Rope

A stranded rope in which the strands are made of wires disposed in such a manner that the cross-section of the strand is approximately circular in shape.

Multi-Strand Rope

(sometimes called “non-rotating”)

A stranded rope in which two Or more layers of strand are spun helically around the main core. The layers of strands are so disposed that, when under tension, the rope will have the minimum obtainable torque or rotational tendency.

Main Core of Rope

The core of the rope around which the strands are spun. Fibre core — A main core which is itself a fibre rope. I.W.R.C. — A main core which is itself an independent Wire Rope.

Galvanized Wire

Wire which has been zinc coated by one of the permissible processes. The quality of the galvanized coating is defined by its weight, evenness and adherence. Different classes are designated conventionally by a letter (e.g. Class A or Z).

Langs Lay Rope

Ropes in which the direction of the outer layer of wires in the strands is the same as the direction of lay of the strands in the rope.

Minimum Breaking Load

The breaking load below which a sample of the rope will not fracture when tested to destruction in the prescribed manner. The value is calculated from the product of the square of the nominal diameter of the rope, the tensile grade of the wire and a co-efficient appropriate to the construction of the rope.

Calculated Breaking Load

The value calculated from the product of the sum of the cross-sectional metallic area of the individual wires in the rope and the tensile grade of the wire. This metallic area can be associated directly with the square of the nominal diameter

Triangular Strand Rope

A stranded rope in which the strands are made of wires disposed in such a manner that the cross-section of the strand is approximately triangular in shape.

Layer

A group of strands in a rope or a group of wires in a strand spun concentrically around the core.

Tensile Grade of Wire

The value of tensile strength used to designate the minimum of the tensile strength range.

Ordinary (Regular) Lay Rope

Ropes in which the direction of lay of the outer layer of wires in the strands, is opposite to the direction of lay of the strands in the rope.

Lay Length

That distance in a strand of rope, measured parallel to the longitudinal axis, in which the wire in the strand or the strand in the rope makes one complete turn (or helix) about the axis of the strand or rope.

Actual Breaking Load

The maximum load obtained in testing a sample of the rope to destruction in the prescribed manner.

Factor of Safety

For the purpose of this publication, this is the ratio between the minimum breaking load and the tensile load in the rope.

AUSTRALIAN LIFTING CENTRE PTY LTD

SLINGS RECOVERY STROPS

AUSTLIFT



1300 100 120
WWW.AUSTLIFT.COM.AU

Contents

| | |
|--|-----|
| <i>Polyester Round Slings</i> | 168 |
| <i>Flat Webbing Sling</i> | 170 |
| <i>Recovery Tow Strops</i> | 171 |
| <i>Nylon (Black Snake)</i> | 171 |
| <i>Kevlar (Black Snake)</i> | 171 |
| <i>Pre-Assembled Grade 80 Chain Slings</i> | 172 |
| <i>Machine Spliced Wire Rope Slings</i> | 176 |
| <i>Sling's Safe Working Load Limit Chart</i> | 176 |
| <i>Working Load Limits (Tonnes)</i> | 177 |
| <i>Correct Selection Of Slings</i> | 178 |
| <i>Austlift Slings Lifting Chart</i> | 178 |

AUSTLIFT



AN ILLUSTRATION OF DIFFERENT SLING TYPES



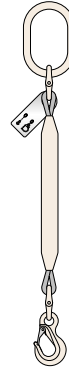
1 Leg Wire Sling
Thimble Eyes



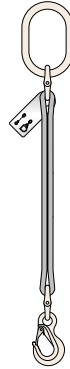
1 Leg Chain Sling
Grab & Sling hook



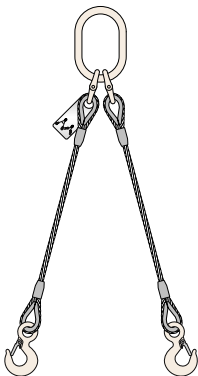
1 Leg Chain Sling
Grab & Self lock hook



1 Leg Web Sling
Sling hook



1 Leg Round Sling
Sling hook



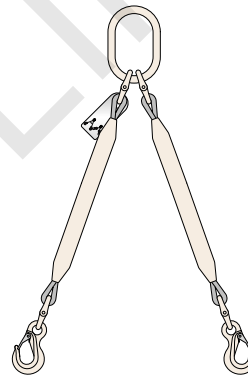
2 Leg Wire Sling
Thimble Eyes



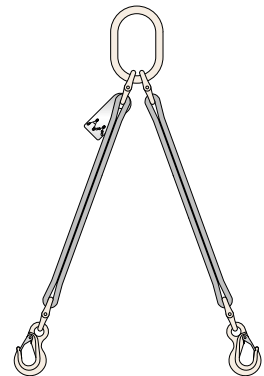
2 Leg Chain Sling
Grab & Sling hook



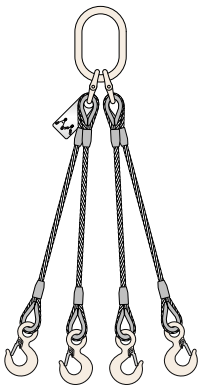
2 Leg Chain Sling
Grab & Self lock hook



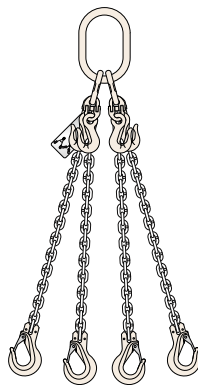
2 Leg Web Sling
Sling hook



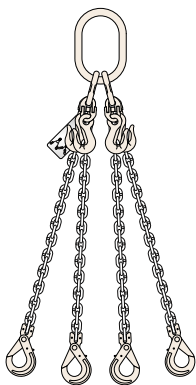
2 Leg Round Sling
Sling hook



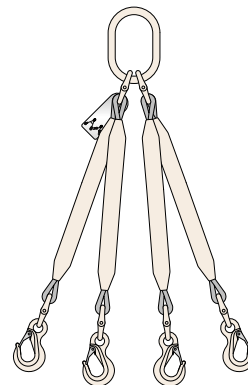
4 Leg Wire Sling
Thimble Eyes



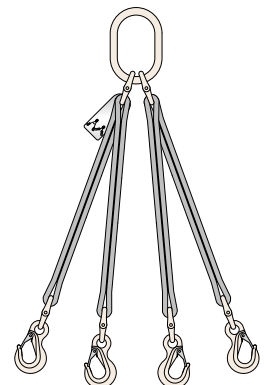
4 Leg Chain Sling
Grab & Sling hook



4 Leg Chain Sling
Grab & Self lock hook



4 Leg Web Sling
Sling hook



4 Leg Round Sling
Sling hook

Polyester Round Slings

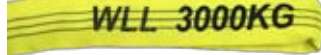

Every Austlift Sling is proof tested, individually serial numbered, tagged and comes with Test Certificate. Fabricated using 100% high tenacity polyester yarn and wound in a continuous hank to form an endless Sling. A durable and specially woven, 100% polyester non-load bearing tubular sleeve to give 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 | | FS 2,000KG GREEN | | FS 3,000KG YELLOW | | FS 4,000KG GREY | |
|-------------------|------------|------------------|------------|-------------------|-----------|-----------------|-----------|
| width: 50mm | | width: 60mm | | width: 90mm | | width: 120mm | |
| CODE | LENGTH (M) | CODE | LENGTH (M) | CODE | LENGTH(M) | CODE | LENGTH(M) |
| 910105 | 0.5 | 910205 | 0.5 | 910310 | 1.0 | 910410 | 1.0 |
| 910110 | 1.0 | 910210 | 1.0 | 910315 | 1.5 | 910415 | 1.5 |
| 910115 | 1.5 | 910215 | 1.5 | 910320 | 2.0 | 910420 | 2.0 |
| 910120 | 2.0 | 910220 | 2.0 | 910325 | 2.5 | 910425 | 2.5 |
| 910125 | 2.5 | 910225 | 2.5 | 910330 | 3.0 | 910430 | 3.0 |
| 910130 | 3.0 | 910230 | 3.0 | 910335 | 3.5 | 910435 | 3.5 |
| 910135 | 3.5 | 910235 | 3.5 | 910340 | 4.0 | 910440 | 4.0 |
| 910140 | 4.0 | 910240 | 4.0 | 910345 | 4.5 | 910450 | 5.0 |
| 910145 | 4.5 | 910245 | 4.5 | 910350 | 5.0 | 910460 | 6.0 |
| 910150 | 5.0 | 910250 | 5.0 | 910355 | 5.5 | 910470 | 7.0 |
| 910155 | 5.5 | 910255 | 5.5 | 910360 | 6.0 | 910480 | 8.0 |
| 910160 | 6.0 | 910260 | 6.0 | 910365 | 6.5 | 910491 | 10.0 |
| 910170 | 7.0 | 910270 | 7.0 | 910370 | 7.0 | | |
| 910180 | 8.0 | 910280 | 8.0 | 910380 | 8.0 | | |
| 910190 | 9.0 | 910290 | 9.0 | 910391 | 10.0 | | |
| 910191 | 10.0 | 910291 | 10.0 | | | | |

| FS 5,000KG RED | | FS 6,000KG BROWN | | FS 8,000KG BLUE | | FS 10,000KG ORANGE | |
|----------------|-----------|------------------|-----------|-----------------|-----------|--------------------|-----------|
| width: 120mm | | width: 150mm | | width: 240mm | | width: 300mm | |
| CODE | LENGTH(M) | CODE | LENGTH(M) | CODE | LENGTH(M) | CODE | LENGTH(M) |
| 910515 | 1.5 | 910615 | 1.5 | 910815 | 1.5 | 911030 | 3 |
| 910520 | 2.0 | 910620 | 2.0 | 910820 | 2.0 | 911040 | 4 |
| 910530 | 3.0 | 910630 | 3.0 | 910830 | 3.0 | 911050 | 5 |
| 910540 | 4.0 | 910640 | 4.0 | 910840 | 4.0 | 911060 | 6 |
| 910550 | 5.0 | 910650 | 5.0 | 910850 | 5.0 | 911080 | 8 |
| 910560 | 6.0 | 910660 | 6.0 | 910860 | 6.0 | 911100 | 10 |
| 910570 | 7.0 | 910670 | 7.0 | 910870 | 7.0 | | |
| 910580 | 8.0 | 910680 | 8.0 | 910880 | 8.0 | | |
| 910590 | 9.0 | 910690 | 9.0 | 910890 | 9.0 | | |
| 910591 | 10.0 | 910691 | 10.0 | 910891 | 10.0 | | |
| | | 910692 | 12.0 | | | | |

| 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
 - 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.*

Kevlar (Black Snake)**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

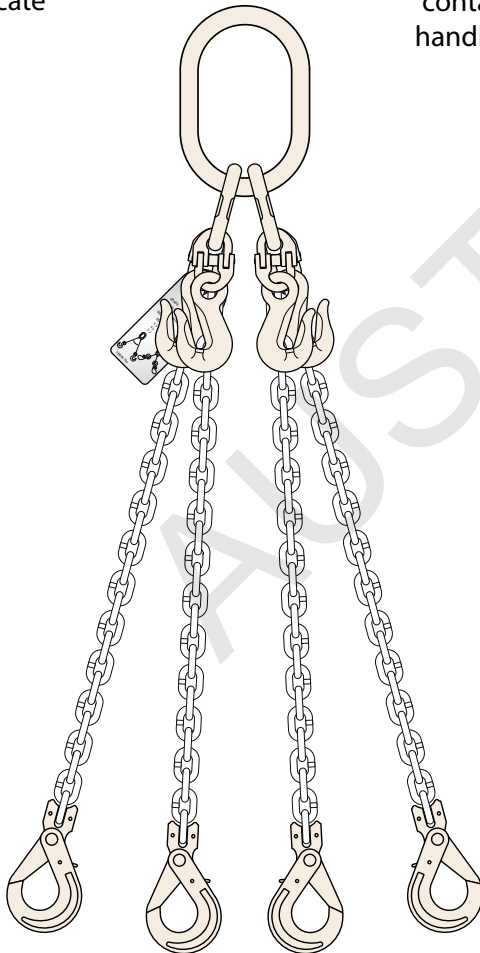
Fitted with WLL Safety tag



Slings accompany
Test Certificate



Packed in PVC
container for easy
handling & storage

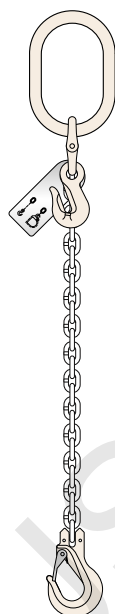


Hints on ordering Chain Slings

- 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

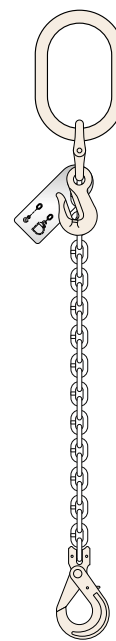
**c/w Eye Grab Hook &
Clevis Sling Hook + Safety Latch**



| 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**

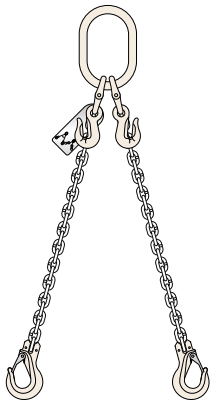


| CODE | CHAIN SIZE | Sling LENGTH |
|--------|---------------|-----------------|
| | mm | M |
| 930611 | 6 | 1 |
| 930612 | 6 | 2 |
| 930613 | 6 | 3 |
| 930614 | 6 | 4 |
| 930615 | 6 | 5 |
| 930616 | 6 | 6 |
| 930711 | 7 | 1 |
| 930712 | 7 | 2 |
| 930713 | 7 | 3 |
| 930714 | 7 | 4 |
| 930715 | 7 | 5 |
| 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

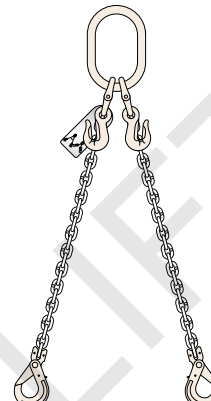
c/w Eye Grab Hook &
Clevis Sling Hook + Safety Latch



| 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

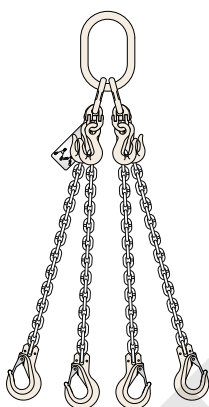


| CODE | CHAIN SIZE | Sling LENGTH |
|--------|---------------|-----------------|
| | mm | M |
| 950621 | 6 | 1 |
| 950622 | 6 | 2 |
| 950623 | 6 | 3 |
| 950624 | 6 | 4 |
| 950625 | 6 | 5 |
| 950626 | 6 | 6 |
| 950721 | 7 | 1 |
| 950722 | 7 | 2 |
| 950723 | 7 | 3 |
| 950724 | 7 | 4 |
| 950725 | 7 | 5 |
| 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 Sling

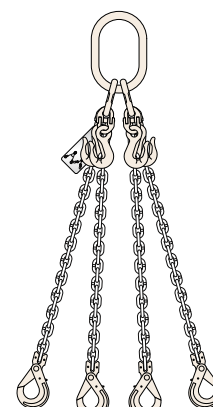
**c/w Eye Grab Hook &
Clevis Sling Hook + Safety Latch**

| 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 |


Quad (4) Leg Chain Sling

**c/w Eye Grab Hook &
Clevis Self Locking Hook**

| 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 |

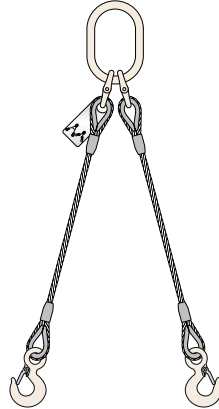


MACHINE SPLICED WIRE ROPE SLINGS

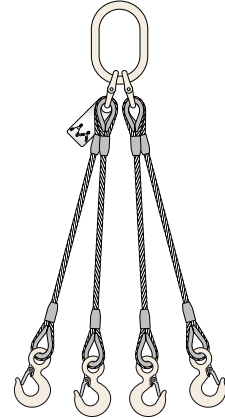
- Manufactured to AS 1666.1
- Test Certificates supplied with all Slings
- Wire Rope quoted will be 6x24FC G1570 grade construction
- All Slings quoted come complete with soft eyes only
- British Standard Thimbles extra upon request
- Hand spliced Wire Rope Sling available



Single Leg Sling



Two Leg Sling
with Hooks





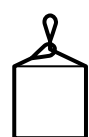

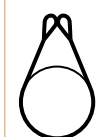
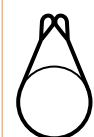
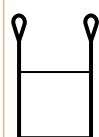
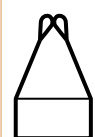
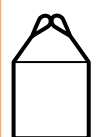
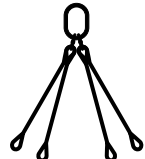
Four Leg Sling
with Hooks

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° | 60° | 90° | 120° | 60° | 90° | |
| 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 | 1.5 | 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 | 2.0 | 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 | 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 | 4.1 | 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 | 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 | 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 | 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 | 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 | 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 | 41.0 | 33.4 | 23.6 | 47.3 | | |

SLING'S SAFE WORKING LOAD LIMIT CHART

| |  |  |  |  |  |  |  |  |  |  | | |
|--------|---|---|---|---|---|---|---|--|---|---|------|------|
| ROPE Ø | REEVE LOAD | | | Round Basket Load | | | Oblong Basket Load | | | 2,3 or 4 Leg Sling | | |
| mm | 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 | 52000 | 30000 | 51000 | 52000 |
| 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.

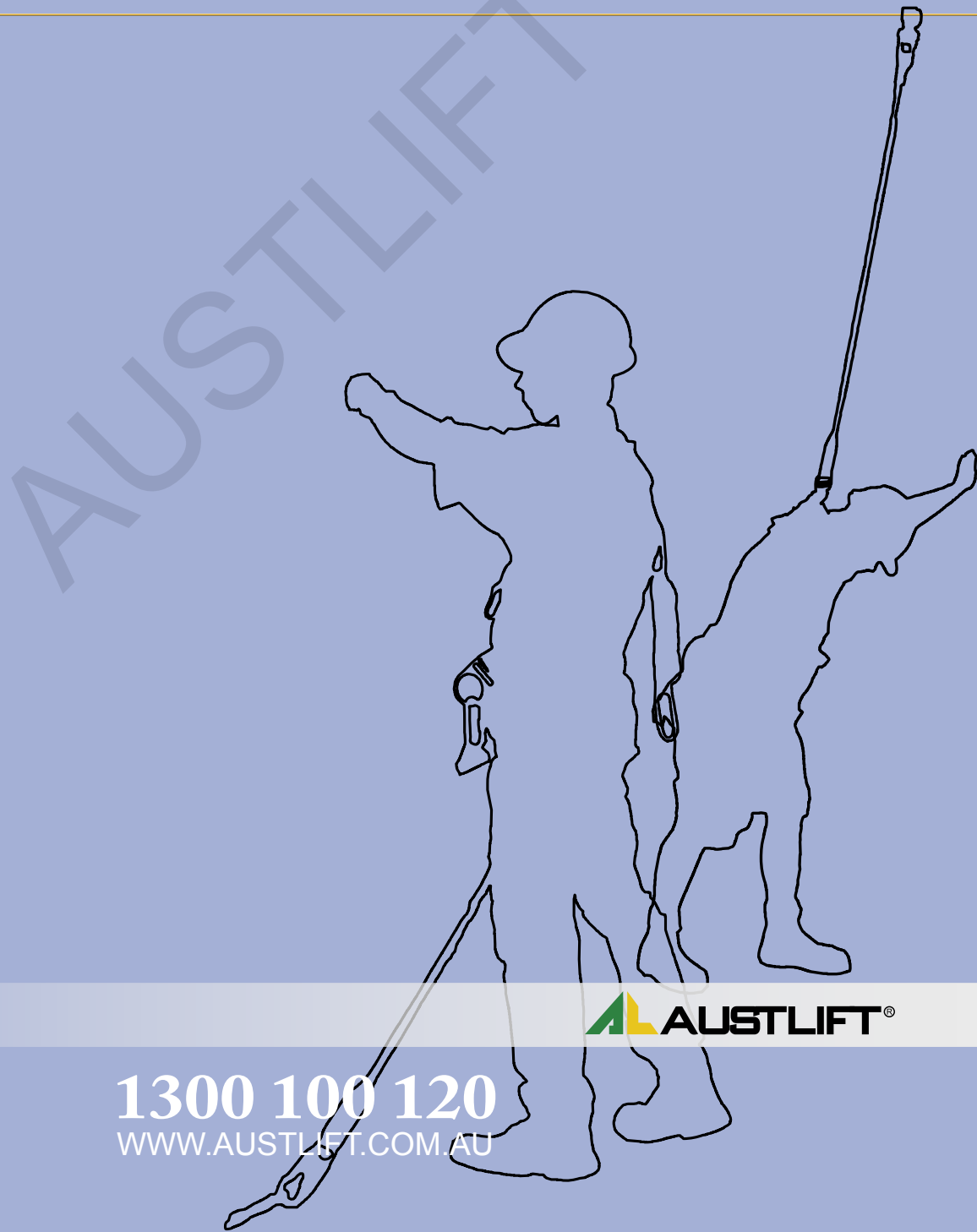
AUSTLIFT G100 CHAIN SLING

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



AUSTRALIAN LIFTING CENTRE PTY LTD

PERSONAL PROTECTION EQUIPMENT



1300 100 120
WWW.AUSTLIFT.COM.AU



LIFTING YOUR BUSINESS TO A HIGHER LEVEL



Contents

| | |
|--|-----|
| <i>Definitions For Fall Protections</i> | 182 |
| <i>Hierarchy Of Fall-Arrest Options</i> | 183 |
| <i>Various Restraint/Fall Situations</i> | 184 |
| <i>Know Your Minimum Free Space (MFS)</i> | 185 |
| <i>Restraint Technique</i> | 186 |
| <i>Avoiding Lateral Swing</i> | 186 |
| <i>Strength Requirement For Anchorages</i> | 187 |
| <i>Understand Your Work Application</i> | 188 |
| <i>Easy Harness Selection Guide</i> | 189 |
| <i>Harness</i> | 190 |
| <i>Accessory Selection Chart</i> | 195 |
| <i>Lanyard</i> | 197 |
| <i>Accessories</i> | 199 |
| <i>Anchorage & Fall Arrestors</i> | 201 |
| <i>Rescue Product</i> | 202 |
| <i>PPE Kit Selection Chart</i> | 204 |
| <i>PPE Kit</i> | 205 |
| <i>Permanent Anchors</i> | 207 |
| <i>Permanent Safety System</i> | 210 |
| <i>Harness Fitting Instruction</i> | 212 |
| <i>Harness Inspection</i> | 215 |

DEFINITIONS FOR FALL PROTECTION

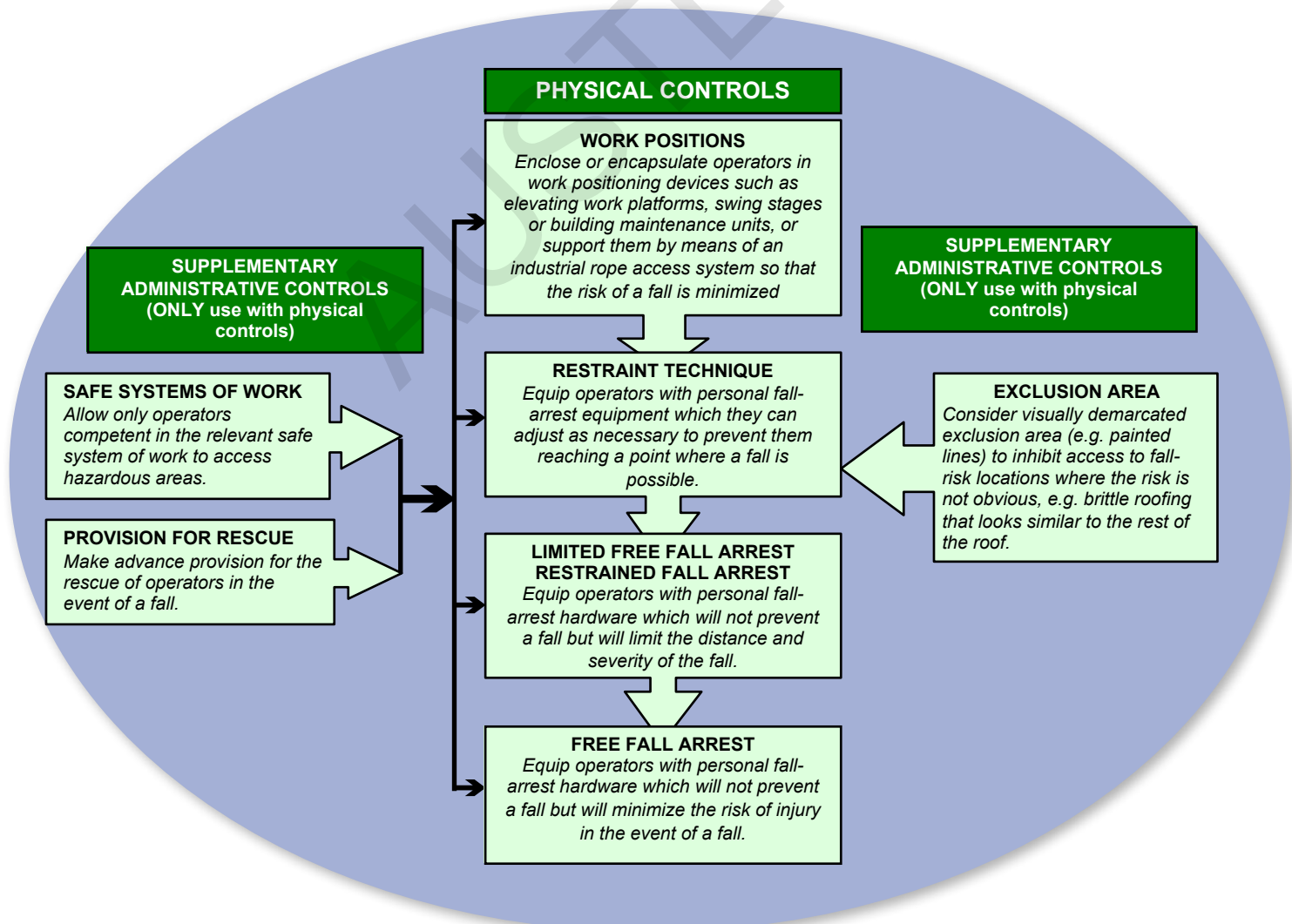
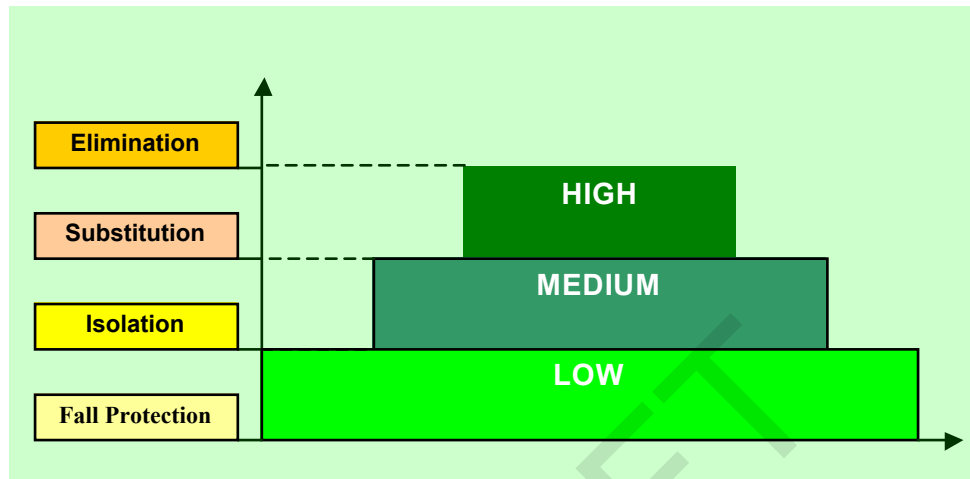


DEFINITIONS FOR FALL PROTECTION

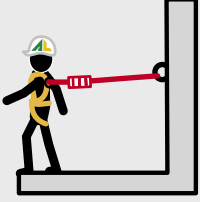

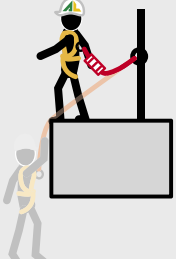


| | |
|------------------|--|
| Restraint | A system whereby a person, wearing fall arrest equipment, is connected to an anchorage that prevents the person from reaching a position at which there is a risk of suffering a free or limited free fall. As per the requirements under current AS/NZS1891.1 people working in restraint must use an anchorage, connection and harness suitable for fall arrest. |
| Work Positioning | A system which enables a person to work supported in suspension by the use of Personal Protective Equipment (PPE) in such a way that a fall is partially restrained. |
| Fall Arrest | A system whereby a person is safely arrested from a fall by means of Personal Protective Equipment attached to an anchorage point. The maximum free fall allowance is 2 metres. |
| Fall Clearances | The system must be set up in such a way that the worker will avoid striking a lower level surface or obstacle, and be maintained in a position post fall, to ensure an easy and quick rescue. Each type of fall arrest device will have its own clearance requirements – check AS/NZS 1891.4 for further information. |



HIERARCHY OF FALL-ARREST OPTIONS



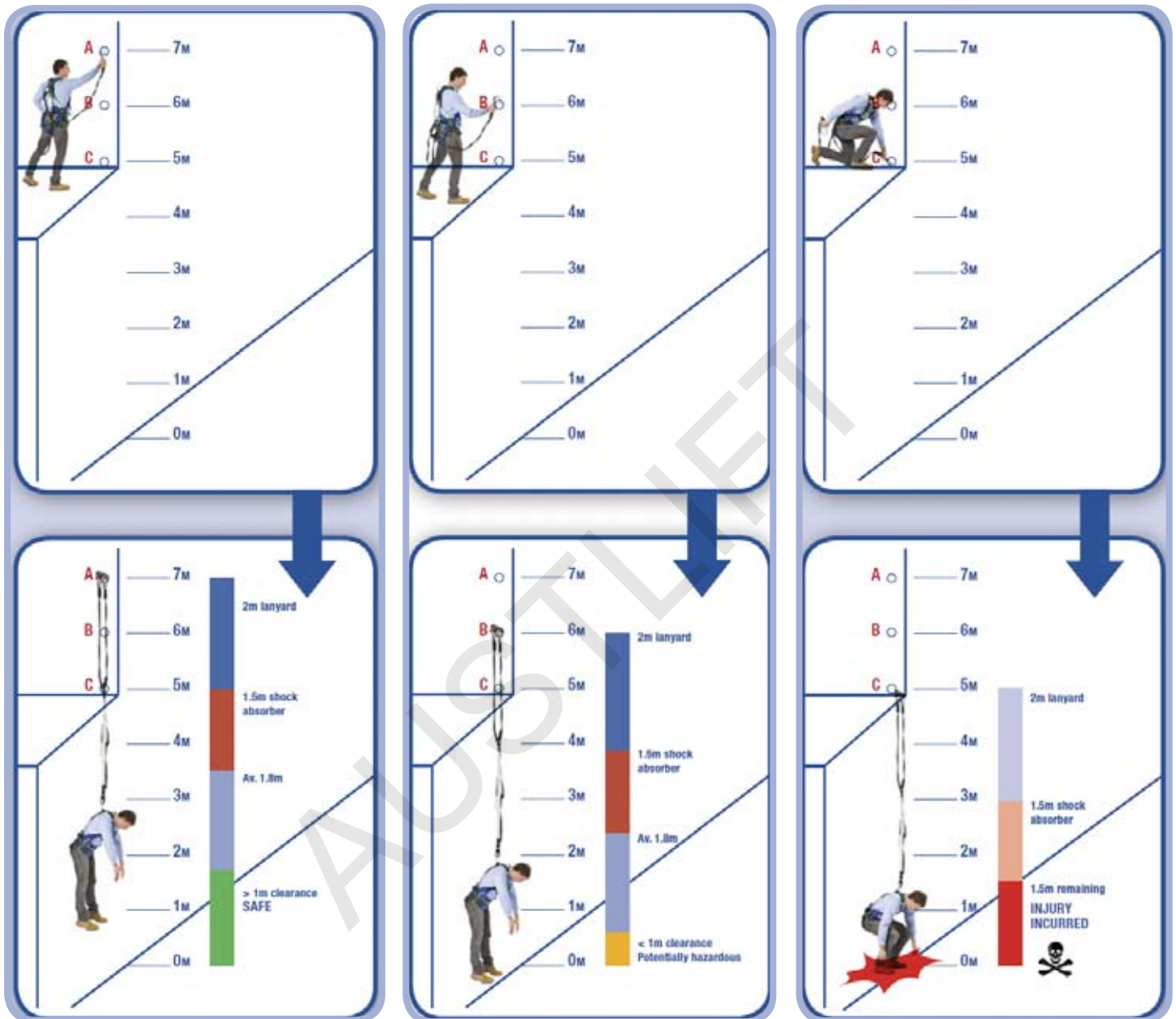
CHARACTERISTICS OF VARIOUS RESTRAINT/FALL SITUATIONS

| Restraint/fall situation | System description | Equipment & Anchorage requirements (minimum) (see Notes 1 and 4) | Typical application |
|--|---|---|--|
| Restraint technique  | A combination of anchorage placement and lanyard length adjustment which will not physically permit the operator to reach a fall risk position (see Note 2) unless the lanyard is incorrectly adjusted. | Fall-arrest rated equipment as follows: Where any possible fall will only be a limited free fall (<600 mm), a lower-body harness and anchorage with ultimate strength 12kN. All other cases, a full-body harness and anchorage with ultimate strength 15 kN. | Any situation where access to the work can be achieved entirely on a working surface with secure footing and without exposure to a fall provided that the equipment is correctly adjusted. |
| Restrained fall only  | A pole-strap of length which will permit only a restrained fall when working on a pole. | Full-body or lower-body harness and pole strap. | Working on a pole where no free fall is possible. |
| Limited free fall  | A combination of anchorage placement and lanyard length which will permit only a limited free fall (< 600 mm). | Full-body or lower-body harness. Lanyard or fall-arrest device that will limit free-fall to 600 mm max. (See Note 2). 12 kN ultimate strength anchorage or equivalent horizontal lifeline or rail. | Any situation where the use of either a short lanyard or a fall-arrest device (or both where applicable) will limit any free fall to 600 mm. May also be applicable to rope access systems, see AS/NZS 4488.2. |
| Free fall  | Any suitable fall-arrest system. | Full-body harness. Lanyard or fall-arrest device which will limit free fall to 2 m max. (see Note 2). 15 kN ultimate strength anchorage or equivalent horizontal lifeline or rail. | Any situation in which a free fall (> 600 mm) is possible. |
| Total restraint  | A system where no fall is possible. | Not specified in the AS/NZS 1891 Series of Standards (see Note 3). | Total restraint is defined as the control on a person's movement by means of a connection to an anchorage in such a way that it will physically prevent the person from reaching any position at which there is risk of a fall, either over an edge, through a surface or due to a failed moveable platform. |

NOTES:

1. Fall protection work practices not in accordance with this Standard, in particular, the use of non-complying personal equipment (e.g. lanyards without specified energy absorbing properties), may create fall-arrest forces which will exceed the anchorage strengths specified in the Table.
2. See also "Know your minimum fall clearance" (MFC). Refer to Page 09.
3. Whilst no equipment is specified, fall-arrest rated equipment can be used.
4. 'Ultimate strength' means that the anchorage may yield at the stated load but must not fail.

KNOW YOUR MINIMUM FREE SPACE (MFS)



- The Formula to calculate for minimum free fall:

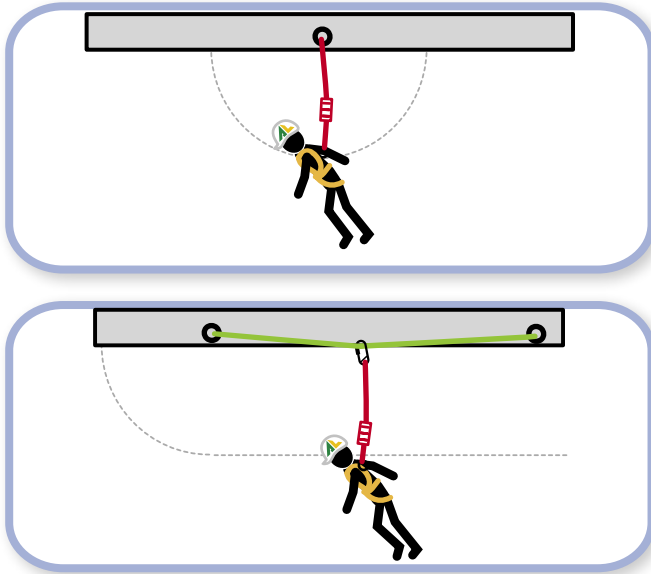
Lanyard Length + Shock Absorber Length + Harness Stretch + Distance between harness attachment point and upper back + Safety clearance at bottom of fall.

Lanyard length maximum allowable = 2.0m, Shock Absorber = 1.75m in length, Rule of thumb for the sum of Harness stretch+ attachment point to upper back is 1.8m.

We recommend that the Safety Clearance is given a value of 1m. To illustrate a worst case scenario, which is when the anchor point is at the user's feet, so the MFS is calculated using the following formula:

Lanyard Length + Shock Absorber = 2m + 1.75m; AND the sum of Stretch & The Attachment point to Upper Back Distance = 1.8m; THEN add to this your Safety Clearance of 0.4m; THEN this will give you an MFS of 5.75m (FIVE point SEVEN FIVE meters) in this worst case example (see diagrams above.)

Restraint Technique



- **Restraint technique**

Suitable for use where the user can maintain secure footing as set out without having to tension the lanyard. Despite the requirement to equip the user for fall arrest, restraint technique should be employed whenever practicable providing an extra level of safety by reducing the potential for exposure to falls.

- **Working on slopes and work positioning**

Where a user at risk of a fall can maintain secure footing on a sloping surface without tensioning the lanyard or safety line, or requiring additional support such as hand hold, fall arrest equipment attached to anchorages of commensurate strength shall be used. Factors that need to be considered as to whether secure footing can be maintained are as follows:

The degree of slope.

Slopes in excess of 15° from the horizontal should always be checked for risk of a fall.

Surface slipperiness or skid resistance, change from dry to wet conditions and whether the surface is likely to be oily or otherwise slippery.

Surface roughness likely to become a tripping hazard.

Security when carrying heavy loads or operating hand held equipment.

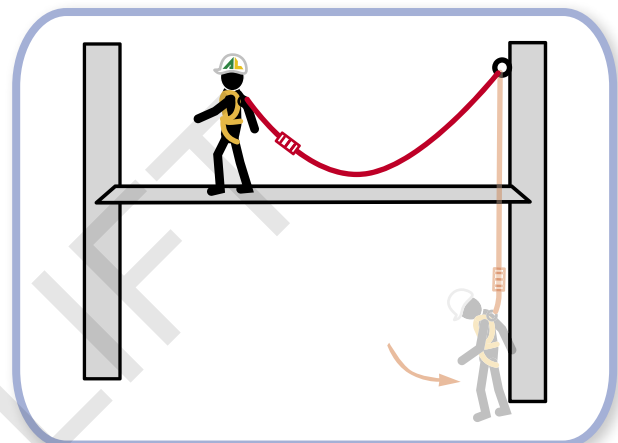
Unusual weather conditions, high winds, snow, ice or frost.

The grip provided by footwear, e.g. Sole material and tread pattern.

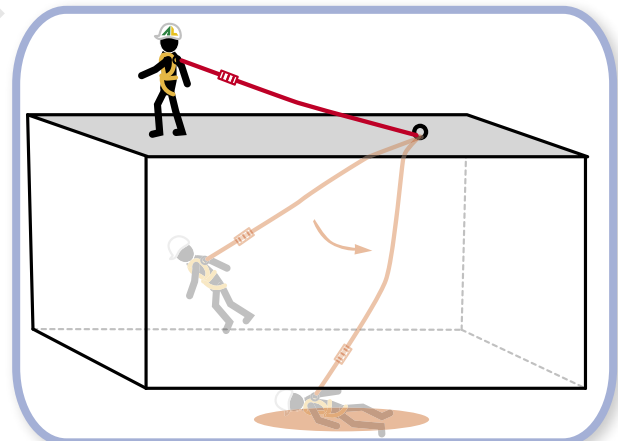
Where a user cannot maintain secure footing without the aid of lateral support alternative means of access or support shall be provided, e.g. a harness and pole strap, a walkway in accordance with AS 1657 or a work positioning system such as a rope access system in accordance with AS/NZS 4488.2.

AVOIDING LATERAL SWING (THE PENDULUM EFFECT)

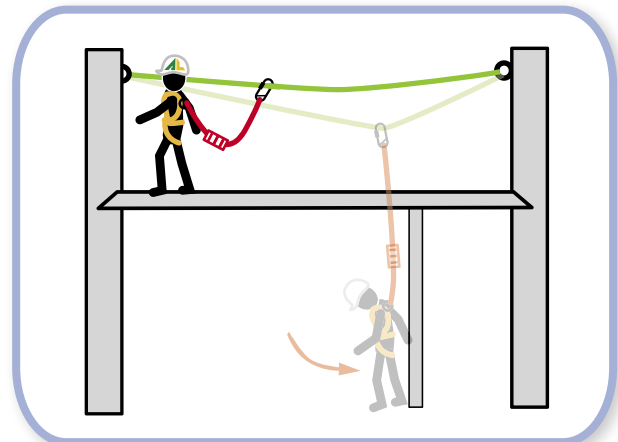
- **Be aware of the pendulum effect**
Ensure precaution is taken to avoid any possibility of a fall taking place and subsequently the person swinging into a structure or the ground.



SIMPLE EFFECT



ANCHORAGE LINE SLIDING ALONG EDGE



FALL FROM A HORIZONTAL LIFELINE

STRENGTH REQUIREMENT FOR ANCHORAGES

| Purpose of Anchorages | Minimum Ultimate strength in direction of loading (kilonewtons) |
|---|---|
| Free fall-arrest-One person | 15 kN |
| Free fall-arrest-Two persons attached to same anchor. | 21 kN |
| Limited free fall-arrest (including rope access anchorages) | 12 kN |
| Restraint technique | 15 kN for free fall risk 12 kN for limited free fall risk |
| Horizontal Life Lines | Minimum Ultimate strength in direction of loading (kilonewtons) |
| End Anchorages (See Manufactures Recommendations) | Greater than 15 kN Single person Greater than 21 kN Multiple persons |
| Intermediate anchorages -diversion less than 15° | 12 kN |
| Intermediate anchorages -diversion more than 15° | Greater than 12 kN (multiplied by a safety factor of 2.0) |
| NOTE | |
| As far as practicable all single point one-person anchorages should meet the 15kN requirements regardless of primary purpose. | |
| 'Ultimate strength' means that the anchorage may yield at the stated load but must not fail. | |



Anchor Points Information


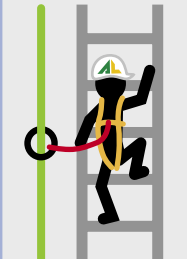
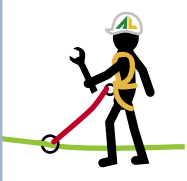
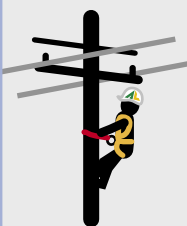
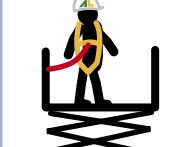
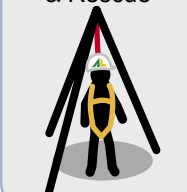


- Ensure the anchor points on a building or structure used by the operator are certified by an engineer, unless it is clear to a height safety supervisor the anchorage system is structurally sound also signage with anchor information shall be provided.
- Use table provided to ensure the anchorage is capable of sustaining the ultimate load for one person to use when loaded in the direction of the lanyard, anchorage line, or restraint line during fall arrest.
- For two people utilizing one anchor point the load requirement for the anchorage shall be increased to a minimum of 21kN and no more than two people shall use a single anchor at any time.
- Be aware of free fall situation using anchorages. This applies to a Free Fall-Arrest where fall situation > 600mm and for Limited Free Fall where fall situation is < 600mm and you should not climb above a anchor point.
- From the anchor point observe any lower obstruction in a fall situation that the operator may strike into eg; machinery, open window etc.
- If an anchor looks damage it should be recertified by a competent person before using.
- If in doubt about anchorages check with the manufacture and/or refer to AS/NZS 1891.4



Warning Only authorized personnel can install and certify roofing anchors.

UNDERSTAND YOUR WORK APPLICATION WITH PERSONAL PROTECTION EQUIPMENT

| Work Application | Before working at heights a full risk assessment and work method shall be completed to understand the proper use and limitations of PPE equipment. | PPE Products Harness Connection Anchor |
|--|---|---|
|  | <p>Be aware of these safety points</p> <ul style="list-style-type: none"> Ensure anchor points are correctly installed, fitted and are suitability rated and certified. When using rope & rope grabs always ensure the rope line is taught from both anchor points. Shock absorber connection shall be between Harness Frontal or Rear attachments and rope grab via Karabiner. Make sure you utilize Rear Dee or Frontal Dees of your harness while working at all times. If there are no anchor points present you should use an appropriate anchorage system to a suitable structure ensuring the structure can support a fall arrest situation. | <p>Full body harness with frontal & rear attachments. Approved Rope & rope adjuster with shock absorber pack. Temporary metal roof anchor or Anchorage sling.</p> |
|  | <ul style="list-style-type: none"> For fixed ladder safety lines ensure it has been certified, maintained and operating satisfactory before use. With mobile ladders ensure the ladder has been secured properly with certified ladder brackets. Use certified anchor systems such as anchor strap, fixed anchor point or temporary anchor point. Ensure safety rope line is correctly tied off and rope grab is fixed to frontal connection points of harness with Karabiner. Always use a full body harness and twin lanyard with shock absorber for ladder work. | <p>Full body harness with frontal & rear attachments. Twin lanyard with shock absorber. Approved Rope & rope adjuster. Anchorage sling, Tempory Ladder & bracket .</p> |
|  | <ul style="list-style-type: none"> Ensure anchor points are correctly installed, fitted and are suitability rated and certified. When using rope & rope grabs always ensure the rope line is taught from the anchor points. Ensure fall arrest systems have been regularly serviced and in good working condition. Use Single lanyard or twin elasticized lanyards with shock absorber Make sure you utilize Rear Dee or Frontal Dees of your harness whilst working at heights. With static lines ensure the system is certified and in good condition and working order. | <p>Full body harness with frontal & rear attachments. Single or Twin lanyard with shock absorber. Approved Rope & rope adjuster. Suitable Inertia reels Anchor- age sling, Metal roof anchor.</p> |
|  | <ul style="list-style-type: none"> Ensure anchor points are correctly installed, fitted and are rated and certified. When using rope & rope grabs always ensure the rope line is taught from the anchor points. Ensure fall arrest equipment has been regularly serviced and in good working condition. Make sure you utilize rear Dee of your harness with twin lanyard and belay loops with pole strap of your harness whilst working at heights. With permanent ladder systems ensure the structure is certified and in good condition and working order. | <p>Full body Tower workers harness. Twin lanyard with shock absorber. Suitable Inertia reel. Approved Rope & rope adjuster. Adjustable Pole straps Anchorage sling.</p> |
|  | <ul style="list-style-type: none"> Ensure anchor points and Elevated Work Platforms are correctly installed, fitted and are suitability rated and certified. Ensure fall arrest equipment has been regularly inspected, serviced and in good working condition. Make sure you utilize rear Dee or side Dees of your harness with either webbing, adjustable or elastic single lanyard of your harness whilst working at heights. | <p>Full body harness with frontal & rear attachments. Single lanyard with shock absorber.</p> |
|  | <ul style="list-style-type: none"> Ensure confined space and/or rescue equipment is being regularly inspected, serviced and in good working condition Ensure Tripod or Davit system are correctly installed, fitted and are suitability rated and certified. Prior to use, inspect Inertia Reel and Rescue Winch to ensure they are in good working condition. Make sure you utilize the rescue loops for rescue operation of your harness and rear Dee in a confined space situation. With spreader bar the arm straps should be utilized. | <p>Full body harness with rear attachment and shoulder confined space loops. Rescue winch devise. Confined space spreader bar. Tripod or Davit arm.</p> |

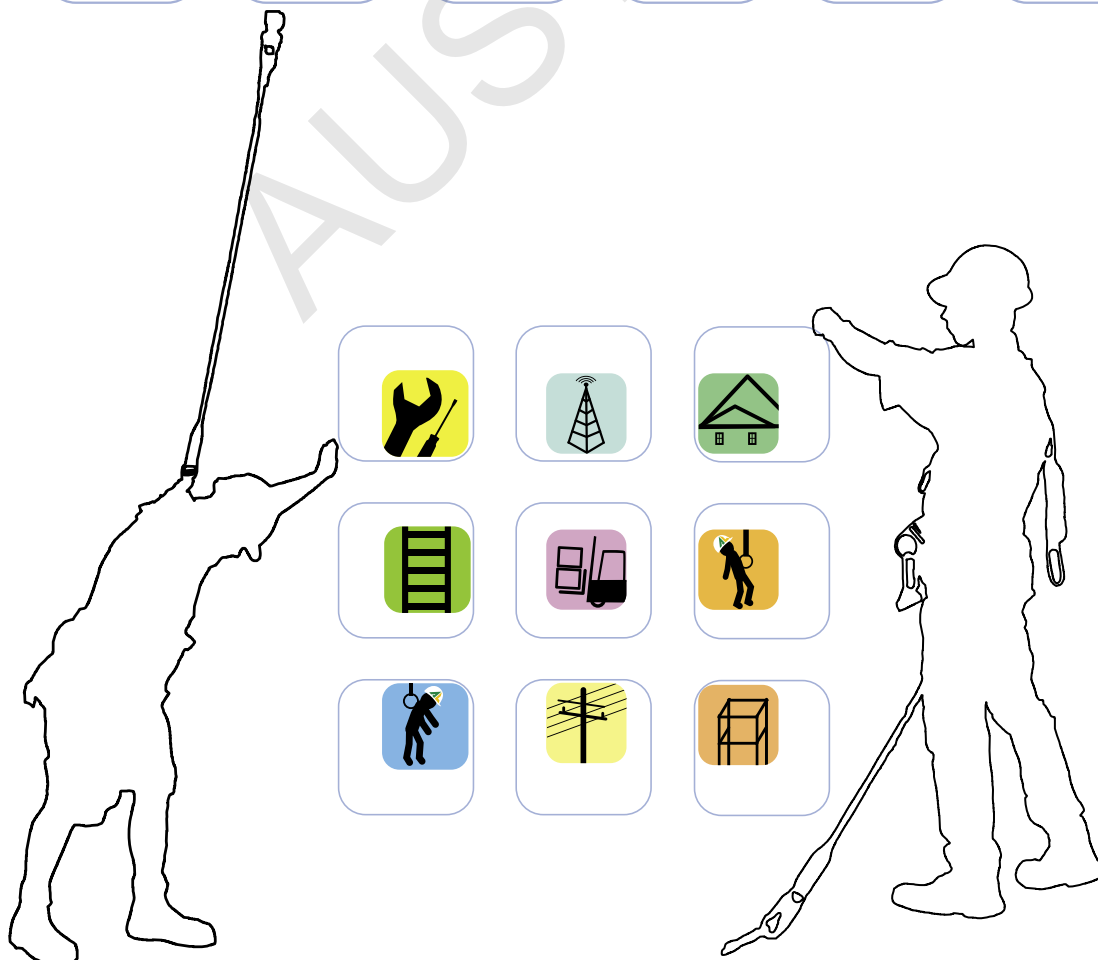
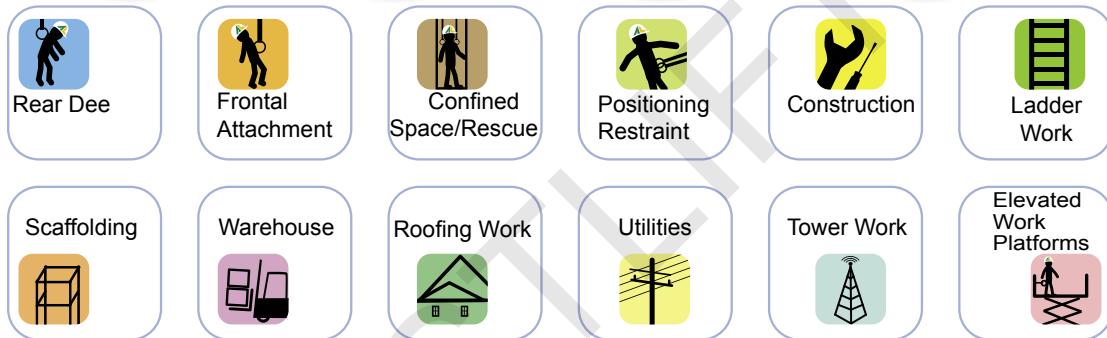
EASY HARNESS SELECTION GUIDE

| HARNESS | | | STANDARD RANGE | | TRADESMAN RANGE | | ULTIMATE RANGE | | |
|---------------------------------------|--------------------------|---|---|---|---|---|---|---|---|
| Harness Name | | | Compliance Plus Harness | Compliance Plus with 1.5 Lanyard | Riggers with Belay Loof Harness | Multi Purpose Harness | Riggers Harness | Multi Purpose Harness | Tower Worker Harness |
| Harness Part Number | | | 914060 | 914059 | 914062 | 914064 | 914065 | 914066 | 914067 |
| Material | | | Polyester | Polyester | Polyester | Polyester | Polyester | Polyester | Polyester |
| Rear Dee Ring | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Frontal Belay Loops | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Confined Space Shoulder Loops | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Larger Side Dee Rings | | | | | | ✓ | | ✓ | ✓ |
| Trauma Strap Fitted | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Slotted Buckles | | | ✓ | ✓ | ✓ | ✓ | | | |
| Quick Release Buckles | | | | | | | ✓ | ✓ | ✓ |
| Back Padded Triangle | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Padded Under Buckles | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Waist Leg & Rear Belt Padding | | | | | | | ✓ | ✓ | ✓ |
| Reflective Stitching | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Certified & Approved To AS/NZS 1891.1 | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WORK APPLICATION | Rear Dee |  |  |  |  |  |  |  |  |
| | Frontal Attachment |  |  |  |  |  |  |  |  |
| | Confined Space |  |  |  |  |  |  |  |  |
| | Positioning Restraint |  | | | |  | |  |  |
| | Construction Maintenance |  |  |  |  |  |  |  |  |
| | Ladder Work |  |  |  |  |  |  |  |  |
| | Scaffolding |  |  |  |  |  |  |  |  |
| | Warehouse |  |  |  |  | |  |  |  |
| | Roofing Work |  |  |  |  |  |  |  |  |
| | Utilities |  | | | |  | |  |  |
| | Tower Work |  | | | | | | |  |
| | Work Platforms |  |  |  |  |  |  |  |  |

Selection made easy with Austlift Harness

We have developed Symbols to aid you in selecting the right harness to suit your particular work application requirement. These symbols represent work application and harness attachments.

This catalogue also utilizes these unique symbols throughout the Personal Protection Equipment range to best describe your particular work application. If you have any further questions regarding your Personal Protection needs or require further information you can contact your local distributor or Australian Lifting Centre Sydney Head Office on 1300 100 120



ULTIMATE – RIGGERS FALL ARREST HARNESS

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Quick release buckles
- Shoulder, back and leg padding
- Padding under buckles for extra comfort
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Reflective stitching on ALL harness designs
- Medically approved suspension trauma strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914065



SUITABLE FOR:

Confined Space / Rescue, Construction,
Ladder Work, Scaffolding, Warehouse



ULTIMATE – MULTIPURPOSE FALL ARREST HARNESS

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Quick release buckles
- Shoulder, back and leg padding
- Padding under buckles for extra comfort
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Waist belt with large side “D” rings for work positioning
- Padded lower waist & back belt for extra comfort
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914066



SUITABLE FOR:

Confined Space / Rescue, Construction,
Ladder Work, Scaffolding, Warehouse,
Positioning Restraint, Utilities



ULTIMATE – TOWER FALL ARREST HARNESS

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Quick release buckles
- Shoulder, back and leg padding
- Padding under buckles for extra comfort
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Waist belt with large side “D” rings for work positioning
- Padded lower waist / back belt for extra comfort
- Padded work positioning seat for extra comfort
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914067

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Positioning Restraint, Utilities, Tower Work



COMPLIANCE PLUS-FALL ARREST HARNESS

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Fall arrest frontal belay loops for work positioning and rescue
- Reflective stitching on ALL harness designs
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914060

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse



COMPLIANCE PLUS-FALL ARREST HARNESS WITH LANYARD ATTACHED

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Fall arrest frontal belay loops for work positioning and rescue
- 1.5m shock absorbing lanyard with snap hook attached
- Reflective stitching on ALL harness designs
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914059

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse.



TRADESMAN-RIGGERS FALL ARREST HARNESS

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Padding under buckles for extra comfort
- Back padded triangle for comfort and shape
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914062

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Roofing Work



TRADESMAN- MULTIPURPOSE FALL ARREST HARNESS

FEATURE SYMBOLS:



- Large permanently upright “D” ring fall arrest rated
- Easy adjustable slotted buckles
- Padding under buckles for extra comfort
- Back padded triangle for comfort and shape
- Fall arrest frontal belay loops for work positioning and rescue
- Confined space shoulder loops
- Waist belt with large side “D” rings for work positioning
- Reflective stitching on ALL harness designs
- Medically approved Suspension Trauma Strap
- Certified & Approved to AS/NZS 1891.1

PART NUMBER: 914064

SUITABLE FOR:

Confined Space / Rescue, Construction, Ladder Work, Scaffolding, Warehouse, Positioning Restraint, Utilities, Tower Work



 **AUSTLIFT®**

1300 100 120

WWW.AUSTLIFT.COM.AU



Personal Protection Accessory Selection Chart

| WORK TO BE PERFORMED | | Fall Arrest | Frontal Attachment | Positioning Restraint | Confined Space/ Rescue | Scaffolding | Warehouse | Construction | Utilities | Ladder Work | Roofing | Tower Work | Elevated Work Platform |
|----------------------|---|-------------|--------------------|-----------------------|------------------------|-------------|-----------|--------------|-----------|-------------|---------|------------|------------------------|
| Part Numbers | Description | | | | | | | | | | | | |
| 914015 | Single Lanyard -1.5m webbing lanyard with shock absorber and snap hooks | ✓ | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914020 | Single Lanyard -2m webbing lanyard with shock absorber and snap hooks | ✓ | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914021 | Single Lanyard -2m webbing lanyard with shock absorber and snap hook and scaffolding hook | ✓ | | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914022 | Single Lanyard -2m webbing lanyard with shock absorber and karabiners | ✓ | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914025 | Single Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber and snap hooks | ✓ | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914026 | Single Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber, snap hook and scaffold hook | ✓ | | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914028 | Twin Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber and snap hooks all round | ✓ | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914027 | Twin Elasticised Lanyard -2m elasticised webbing lanyard with shock absorber, snap hook and scaffold hooks | ✓ | | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914023 | Twin Lanyard -2m webbing lanyard with shock absorber and snap hooks all round | ✓ | | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914024 | Twin Lanyard -2m webbing lanyard with shock absorber and snap hook and scaffolding hooks | ✓ | | | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |

Personal Protection Accessory Selection Chart

| Part Numbers | Description | Fall Arrest | Frontal Attachment | Positioning Restraint | Confined Space / Rescue | Scaffolding | Warehouse | Construction | Utilities | Ladder Work | Roofing | Tower Work | Work Platforms |
|--|---|-------------|--------------------|-----------------------|-------------------------|-------------|-----------|--------------|-----------|-------------|---------|------------|----------------|
| 914029 | Twin Lanyard - 2m wire lanyard with Shock Absorber, karabiner and 2 scaffolding hooks | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| 914035 | Adjustable Lanyard with Shock Absorber | ✓ | | | | | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| 914034 | Pole Strap | | | ✓ | | | | | | | | | |
| 914030 | 300mm Shock Absorber | | | | | | | | | ✓ | ✓ | | |
| 914043=15M 914044=20M 914045=25M 914046=30M 914047=40M 914048=60M | Anchor Line made from Polyester Rope with Fixed Rope Grab comes in 15, 20, 25, 30, 40, 60 metre lengths | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 914049=15M 914050=20M 914051=30M 914052=40M | Anchor Line made from Kernmantle Rope with Fixed Rope Grab comes in 15, 20, 30, 40 metre lengths | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 914032 | 2m webbing interlocking Anchor Strap | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 914038 | 1.5m Webbing Sling | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 914039 | Dorsal Extension | ✓ | | | | | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| 914037 | Add-on Suspension Trauma Strap | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 914040 | 20m Temporary Webbing Lifeline line - 2 man rated | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | | |
| 914036 | Confined Spaces Lifting Sling | | | | ✓ | | | | | | | | |
| 914041 | Tripod - 4 attaching points with carry bag | | | | ✓ | | | | | | | | |
| 914042 | Rescue Winch 20m | | | | ✓ | | | | | | | | |
| 914076 | Inertia Reel 2.25m Webbing | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| 914077 | Inertia Reel 3m Webbing | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| 914078 | Inertia Reel 6m Webbing | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| 914079 | Inertia Reel 6m Wire | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| 914080 | Inertia Reel 15m Wire | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| 914081 | Inertia Reel 28m Wire | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |

Provided work application and attachment symbols to assist in the selection of our PPE accessories range. The following table provides an overview of products such as Lanyards, Anchorage Products, Fall Arrest Products, Connection Equipment, Confined Space and Rescue Products.

SINGLE LANYARD SNAP HOOKS

- 1.5mtr x 44mm or 2.0mtr x 44mm polyester folded webbing
- 25mm double action snap hooks both ends
- Integral energy shock absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914015 FOR 1.5M
PART NUMBER: 914020 FOR 2M

SINGLE LANYARD SNAP & SCAFFOLD

- 2.0mtr x 44mm polyester folded webbing
- Double action 25mm snap & 58mm scaffold hook
- Integral energy shock absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914021

SINGLE LANYARD KARABINERS

- 2.0m x 44mm polyester folded webbing
- 18mm double action karabiner both ends
- Integral energy shock absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914022

SINGLE ELASTICISED LANYARD SNAP HOOKS

- 2.0mtr unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy shock absorber
- 25mm double action snap hooks both ends
- Certified product and complies to AS 1891.1

PART NUMBER: 914025

SINGLE ELASTICISED LANYARD SNAP & SCAFFOLD

- 2.0mtr unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy shock absorber
- Double action 25mm snap & 58mm scaffold hook
- Certified product and complies to AS 1891.1

PART NUMBER: 914026

TWIN ELASTICISED LANYARD SNAP & SCAFFOLD

- 2.0mtr unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy shock absorber
- Double action 25mm snap & 58mm scaffold hook
- Certified product and complies to AS 1891.1

PART NUMBER: 914027

TWIN ELASTICISED LANYARD SNAP HOOKS



- 2.0mtr Twin unextended elasticised inner core
- External load bearing tubular polyester webbing
- Integral energy Shock Absorber
- 25mm double action snap hooks all round
- Certified product and complies to AS 1891.1

PART NUMBER: 914028

TWIN LANYARD SNAP HOOKS



- 2.0mtr x 44mm polyester folded webbing
- 25mm double action snap hooks all round
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914023

TWIN LANYARD SNAP & SCAFFOLD



- 2.0mtr x 44mm polyester folded webbing
- Double action 25mm snap & 58mm scaffold hooks
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914024

TWIN LANYARD KARABINER & SCAFFOLD



- 2.0mtr x 6mm PVC coated G316 stainless steel wire rope
- Double action 18mm karabiner & 58mm scaffold hooks
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914029

ADJUSTABLE SINGLE LANYARD SNAP HOOKS



- 2.0mtr x 44mm easy adjustable lanyard
- 25mm double action snap hook each end
- Integral energy Shock Absorber
- Certified product and complies to AS 1891.1

PART NUMBER: 914035

POLE STRAP KARABINERS



- 2.0mtr x 44mm easy adjustable lanyard with protective sleeve
- Double action 25mm snap hook each end
- Certified product and complies to AS 1891.1

PART NUMBER: 914034

KARABINER

- Forged steel
- 18mm Opening
- Screw Gate Type
- Single Action
- 30kN strength



PART NUMBER: 914085

KARABINER

- Forged steel
- 18mm Opening
- Twist Lock Gate
- Double Action Type
- 30kN strength



PART NUMBER: 914086

KARABINER

- Forged steel
- 15mm Opening
- Triple Action Type
- 30kN strength



PART NUMBER: 914087

KARABINER

- Forged steel
- 22mm Opening
- Triple Action Type
- 30kN strength



PART NUMBER: 914088

SNAP HOOK

- Double action snap hook.
- Forged alloy steel.
- 60mm opening
- Rated to 25kN



PART NUMBER: 914089

SCAFFOLD HOOK

- Double action scaffold hook
- Forged alloy steel
- 60mm opening
- Rated to 25kN



PART NUMBER: 914090

DORSAL EXTENSION

- 300mm Dorsal Extension strap
- Comes with steel Dee ring
- Suits any harness

PART NUMBER: 914039

TRAUMA STRAP ACCESSORY

- Adjustable suspension strap
- Quick connection buckles
- Connects to any harness

PART NUMBER: 914037

TEMPORARY LADDER BRACKET

- Suits most portable ladders and gutter systems.
- Locks onto roof or gutters stops slippage from ladders.
- Warning and instruction signage

PART NUMBER: 914092

TOOL HOLDER STRAP

- Lightweight webbing with cord one end for tool attachment.
- Adjustable wrists strap other end for connection to user
- 200mm length and a maximum tool weight of 5kg



PART NUMBER: 914095

SHOCK ABSORBER PACK

- Internal energy shock absorber
- Screwgate (Double action optional)
- 18mm Karabiner's each end
- Certified product and complies to AS 1891.1

PART NUMBER: 914030

PERMANENT LADDER BRACKET

- Suits most fixed ladder systems
- Locks onto roof or gutters stops slippage from ladders
- Warning and instruction signage

PART NUMBER: 914118

ANCHORAGE LINE



- 13mm Polyester Anchorage Line
- Type A Steel Fall Arrester device
- 25mm double action snap hook (optional)

PART NUMBER: 914043- 15M
PART NUMBER: 914044- 20M
PART NUMBER: 914045- 25M
PART NUMBER: 914046- 30M
PART NUMBER: 914047- 40M
PART NUMBER: 914048- 60M

ANCHORAGE LINE



- 11mm Kernmantle Anchorage Line
- Type A Steel Fall Arrester device
- 25mm double action snap hook (optional)

PART NUMBER: 914049- 15M
PART NUMBER: 914050- 20M
PART NUMBER: 914051- 30M
PART NUMBER: 914052- 40M

INTERLOCKING ANCHORAGE SLING



- 2 metre webbing with protective sleeve rated to 22kN
- Large & Small Dee ring each end
- Single person use only with attachment via small Dee ring

PART NUMBER: 914032

TIE-OFF ANCHOR SLING



- 1.5 metre webbing rated to 22 kN
- Polyester webbing material
- Single person use only

PART NUMBER: 914033

LARGE TONG ANCHORAGE



- Used to hook personal protective equipment to a structure
- Tong opening style anchorage connector
- Suitable for one person anchorage 15kN
- Large size to suit a structure up to 112mm in diameter

PART NUMBER: 914091

TEMPORARY ANCHOR POINT METAL ROOF



- Right angled anchor plate Clamps securely onto a roof edge
- Curved arm suited to corrugated roofs
- Screws down for additional stability
- Single person anchorage point

PART NUMBER: 914093

Anchorage & Fall Arrestors

PERMANENT ROPE GRAB

- Type A fall arrest device which locks off on the rope at any point.
- Suits 13mm polyester rope or 11mm Kernmantle rope
- Manually operated to move up and down the rope line

PART NUMBER: 914084

REMOVABLE ROPE GRAB

- Type B removable fall arrest device
- Disengaging function that can be attached to rope at any point
- Manually operated to move up and down the rope line
- Suits both 13mm polyester rope or 11mm Kernmantle rope

PART NUMBER: 914083

VERTICAL WIRE ROPE GRAB

Rescue Module



- Type C removable Anti corrosive Stainless Steel fall arrest device
- Disengaging function that can be attached to rope at any point
- Manually operated to move up and down the rope line
- Suitable for vertical application for 8mm wire rope

PART NUMBER: 914082

WEBBING INERTIA REEL

- Lightweight and compact in design
- Made from corrosion resistant components
- 2.25m of working capacity Webbing
- Karabiner and double action snap hook included
- Integral energy shock absorber
- Quick activating breaking system limiting free fall

PART NUMBER: 914076-1.27kg

WEBBING INERTIA REEL

- Lightweight and compact in design
- Made from corrosion resistant components
- 3m of working capacity Polyester Webbing
- Swivel double action snap hook with fall indicator
- Quick activating breaking system limiting free fall

PART NUMBER: 914077-1.5kg

WEBBING INERTIA REEL



- Lightweight durable and compact in design.
- Made from sturdy plastic casing with rubber grip handle.
- Built in shock absorber limits fall forces to under 6kN.
- 6m of working capacity Polyester/Kevlar Webbing
- Double action swivel snap hook with built in fall indicator.
- Quick activating breaking system limiting free fall.

PART NUMBER: 914076-1.27kg

WIRE ROPE INERTIA REEL



- Lightweight, durable and compact in design.
- Made from sturdy plastic casing with rubber grip handle.
- Built in shock absorber limits fall forces to under 6kN.
- Available in 6 metre, 15 metre or 28 metre
- 4mm of working capacity galvanized wire cable.
- Double action swivel snap hook with built in fall indicator.
- Quick activating breaking system limiting free fall

PART NUMBER: 914079 6M – 5.1kg
PART NUMBER: 914080 15M -6.1kg
PART NUMBER: 914081 28M -8.2kg

TEMPORARY WEBBING STATIC LINE KIT



- 20 metre webbing with ratchet tensioner
- Kit comes with anchor straps & karabiners
- Complete with storage bag sewn in line
- Rated for two persons

PART NUMBER: 914040

CONFINED SPACES LIFTING SLING



- Top Dee ring used for raising or lowering
- Double action 25mm snap hooks attaches to confined space loops of a harness
- Built in arm strap for retrieval in confined situation

PART NUMBER: 914036

TRIPOD

- Working load limit 500kg.
- Lightweight, high strength aluminium construction.
- Adjustable legs (1.3m to 2.3m) with integral push pins and locking feature holds legs securely in place.
- Rubber serrated skid pads prevent slippage in use.
- Anchorage/4 attaching points eye rated to 22kN in a vertical pull.
- Supplied with carry bag

PART NUMBER: 914041

RESCUE WINCH

- Rescue lifting lowering device
- Comes with 20 metre wire rope
- Swivel double action snap hook
- Ready to mount to tripod leg with bracket included.
- Study construction work load to 180kg.
- Use winch for emergency evacuation only.
- Not to be used for work positioning.
- Safety auto brake mechanism .

PART NUMBER: 914042

HARNESS KIT SELECTION CHART

The Personal Protection Kit range AUSTLIFT has to offer will provide a safety solution to suit every work environment and take the guess work out of Personal Protection Kit's. We have provided our work application and harness attachment symbols to assist in the correct product selection for specific work applications. There is also a list of components for each kit.



Rear Dee

Frontal
AttachmentConfined
Space/RescuePositioning
RestraintConstruction
MaintenanceLadder
Work

Scaffolding



Warehouse



Roofing Work















Utilities



Tower Work

Elevated
Work
Platform

| WORK TO BE PREFORMED | | | | | | | | | | | | | |
|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|
| Part Numbers | Description of Kits |  |  |  |  |  |  |  |  |  |  |  |  |
| 914072 | Safety In A Sack Kit - Compliance Plus harness - 2m webbed lanyard - Interlocking anchor strap - Carry bag | ✓ | ✓ | | | | | ✓ | | | | | ✓ |
| 914073 | Basic with Compliance Plus Kit - Compliance Plus harness - 15m polyester rope & rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Carry bag | ✓ | ✓ | | | | | ✓ | | | ✓ | | |
| 914074 | Roof Worker Kit - Riggers harness - 15m kermantle rope & rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Carry bag | ✓ | ✓ | | | | | ✓ | | | ✓ | | |
| 914075 | Roof Worker Kit & Retractable Lanyard - Riggers harness - 15m kermantle rope & rope grab - 2 karabiners - anchor strap - Carry bag - 2.25m Retractable Lanyard | ✓ | ✓ | | | | | ✓ | | | ✓ | | |
| 914068 | Professional Kit - Tradesman Multipurpose harness - 15m kermantle rope and rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Pole strap - 2m twin lanyard with shock absorber and snap hooks - Carry bag | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| 914069 | Ultimate Roof Worker Kit - Ultimate Riggers harness - 15m kermantle rope and rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Carry bag | ✓ | ✓ | | | | | ✓ | | | ✓ | | |
| 914070 | Ultimate Professional Kit - Ultimate Multipurpose harness - 15m kermantle rope and rope grab - Shock absorber - 2 karabiners - Interlocking anchor strap - Pole strap - 2m twin lanyard with shock absorber and snap hooks - Carry bag | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| 914071 | Confined Spaces Professional Kit - Tripod with 4 anchor points - Rescue winch - 15m Inertia reel - Ultimate Multipurpose harness - 2 Karabiners - Spreader bar | ✓ | ✓ | | ✓ | | | | | | | | |

SAFETY IN A SACK



- 1x Compliance Plus Harness
- 1x 2m Webbed Lanyard
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914072

BASIC WITH COMPLIANCE PLUS



- 1x Compliance Plus Harness
- 1x 15m Polyester Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914073

ROOF WORKER KIT



- 1x Tradesman Riggers Harness
- 1x 15m Kermantle Rope & Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914074

ROOF WORKER KIT WITH ROOF WORKER KIT RETRACTABLE LANYARD



- 1x Riggers Harness
- 1x 15m Kermantle Rope & Rope Grab
- 2x Karabiners
- 1x Anchor Strap
- 1x 2.25m Retractable Lanyard
- 1x Carry bag

PART NUMBER: 914075

PROFESSIONAL KIT



- 1x Tradesman Multipurpose Harness
- 1x 15m Kernmantle Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Pole Strap
- 1x 2m Twin Lanyard with Shock Absorber and Snap Hooks
- 1x Carry bag

PART NUMBER: 914068

ULTIMATE PROFESSIONAL KIT



- 1x Ultimate Multipurpose Harness
- 1x 15m Kernmantle Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Pole Strap
- 1x 2m Twin Lanyard with Shock Absorber
- 1x Carry bag

PART NUMBER: 914070

ULTIMATE ROOF WORKER KIT



- 1x Ultimate Riggers Harness
- 1x 15m kernmantle Rope and Rope Grab
- 1x Shock Absorber
- 2x Karabiners
- 1x Interlocking Anchor Strap
- 1x Carry bag

PART NUMBER: 914069

CONFINED SPACES PROFESSIONAL KIT



- 1x Tripod with 4 Anchor Points
- 1x Ultimate Multipurpose Harness
- 1x 20m Rescue Winch
- 1x 15m Inertia Reel
- 2x Karabiners
- 1x Spreader Bar
- 1x Heavy duty carry bag

PART NUMBER: 914071

STANDARD PROFILE ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Metal Roof - Steel Purlins

PART NUMBER: 914096 RATED TO 22kN
PART NUMBER: 914097 RATED TO 44kN

LOW PROFILE ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Metal Roof - Steel Purlins
- Rated to 22kN

PART NUMBER: 914098

CORRUGATED ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Corrugated roof profiles

PART NUMBER: 914099 RATED TO 22kN
PART NUMBER: 914100 RATED TO 44kN

SPECIAL CORRUGATED ANCHOR BOLT

- Made from Stainless Steel construction with rubber pad
- Suitable for Metal Roof adaptable for Special Roof formations
- Rated to 22kN

PART NUMBER: 914101

SURFACE MOUNTED ANCHOR

- Made from Stainless Steel construction.
- Suitable for Corrugated and Trimdek Roof Profiles
- Rated to 15kN

PART NUMBER: 914102

SURFACE MOUNTED ANCHOR

- Made from Stainless Steel construction.
- Suitable for Corrugated and Kliplok Roof Profiles
- Rated to 15kN

PART NUMBER: 914103



Warning Only authorized personnel can install and certify roofing anchors.

SURFACE MOUNTED ANCHOR



- Made from Stainless Steel construction.
- Suitable for Corrugated and Longline Roof Profiles
- Rated to 15kN

PART NUMBER: 914104

METAL ROOF ANCHOR



- Made from Stainless Steel construction
- Suitable for Metal Roof & 50mm by 150mm
- Timber Truss with Dekitte Flashing
- Rated to 22kN

PART NUMBER: 914116

METAL ROOF ANCHOR



- Made from Stainless Steel construction
- Suitable for Metal Roof & 35mm to 40mm Timber Truss with Bracing Plate and Dekitte Flashing
- Rated to 15kN

PART NUMBER: 914111

TILE ROOF ANCHOR



- Made from Stainless Steel construction
- Suitable for Tile Roof & 50mm Timber Truss with Acrylead Flashing
- Rated to 22kN

PART NUMBER: 914113

METAL ROOF ANCHOR



- Made from Stainless Steel construction
- Suitable for Metal Roof & 50mm Timber Truss with Dekitte Flashing
- Rated to 22kN

PART NUMBER: 914114

TILE ROOF ANCHOR



- Made from Stainless Steel construction
- Suitable for Tile Roof & 50mm by 150mm Timber Truss with Acrylead Flashing
- Rated to 22kN

PART NUMBER: 914115



Warning Only authorized personnel can install and certify roofing anchors.

DEKITTE FLASHING

- Made from Stainless Steel and rubber boot construction.
- Suitable with Metal roof anchor profiles

PART NUMBER: 914112

ACRYLEAD FLASHING

- Made from Stainless Steel and rubber boot construction.
- Suitable with Tile or Metal roof anchor profiles

PART NUMBER: 914114

CHEMICAL SET ANCHOR

- Made from Stainless Steel construction
- Suitable for Masonry applications

PART NUMBER: 914105 rated to 22kN
PART NUMBER: 914106 rated to 44kN

MECHANICAL SET ANCHOR

- Made from Stainless Steel construction
- Suitable for Masonry applications.

PART NUMBER: 914107 rated to 22kN
PART NUMBER: 914108 rated to 44kN







TILE ROOF ANCHOR



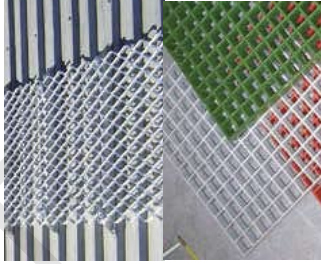

- Made from Stainless Steel construction
- Suitable for Tile Roof & 35mm to 40mm Timber Truss with Bracing Plate and Acrylead Flashing
- Rated to 15kN

PART NUMBER: 914109



Warning Only authorized personnel can install and certify roofing anchors.

| Product Name | Description | Product | Application |
|----------------------------|---|--|---|
| SAFETY LINES Hammerhead | <ul style="list-style-type: none"> • Easy to install with pass through technology. • Robust and well engineered system with minimal all Stainless Steel components. • Multiple system configurations (ground, overhead, side). • Very Cost Effective Solution. • Shock absorbing intermediate and end anchors capable of reducing force to structure to less than 6kN. • No damage to underlying structure due to shock absorption capabilities with minimal cable deflection. • Easy to reset system in the event of a fall without having to replace line. • Can be mounted on all types of roof and industrial structures. |  |  |
| SAFETY LINES Safeladder | <ul style="list-style-type: none"> • All Stainless Steel components. • Easy to install. Can be sold in kit form. • User friendly safety system that provides protection while climbing ladders. • Ideal safety system for climbing ladders. • Swage less line tensioner ensures smooth cable fitting with no frayed edges or protruding cable. |  |  |
| SAFETYRAIL Strongrail | <ul style="list-style-type: none"> • Very strong and robust system. Rated for 3 people at 8m spans. • Easy to install with minimal components and maintenance. • User friendly system. Free gliding movement ensures no interference is experienced by users. • Ideal for overhead and rope access applications. • Available in single or bilateral rail configurations. • Unique bilateral rail design significantly reduces pendulum effect and is ideal system for low clearance and obstructed areas. • Available in aluminium or stainless steel. • Very cost effective solution. |  |  |

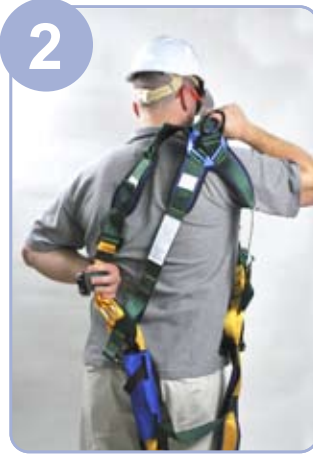
| Product Name | Description | Product | Application |
|------------------------|---|---|---|
| SAFETYRAIL Saferail | <ul style="list-style-type: none"> • Total protection – a continuous system that operates in vertical and horizontal mode and ensures the operator does not need to disconnect at any time whilst working at heights. • Quick locking and un-obstructive shuttle system. • User friendly safety system. • Ideal protection system for climbing ladders and towers. • Available in aluminium. |  |  |
| LADDER SYSTEMS | <ul style="list-style-type: none"> • Security locking system ensures no unauthorized access to ladder. • Extra strong ladder spine ensures rigid construction that complies with all the requirements of Australian Standards AS/NZS 1657. • Roof access handles ensure safe access and egress from roof area. • Specially designed rung with extra grip to provide additional safety while climbing ladder. • Cage design can be incorporated into ladder in accordance with Australian Standards AS/NZS 1657. • Modular system enables ladders to be installed on-site to the required specification by a simple process of cutting and joining modular components of the ladder. Reduces installation time considerably. |  |  |
| WALKWAYS | <ul style="list-style-type: none"> • Excellent chemical and corrosion resistance - Fibre glass is resistant to most common chemicals (acids, salts, alkalies) and is ideal for corrosive environments (mining, petrochemicals, water treatment, marine, food processing). • Lightweight and ease of installation - Fibre glass has two thirds the weight of aluminium and one quarter that of steel, together with its high strength to weight ratio makes it very manageable and easy to install. • Excellent safety features such as non-slip surface and high visibility. • Electrical and thermal non-conductivity and non-sparking. • Cost effective solution - Ease of use, low installation costs, long service life with minimal or no maintenance. • Transparent to radio frequency transmission. • Fire resistant. |  |  |

UTIMATE HARNESS FITTING INSTRUCTION



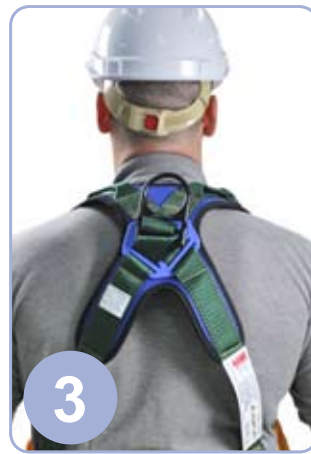
1

Inspect the Harness to ensure its fit for use. Locate the front of the harness and remove any twists or bunching in the webbing.



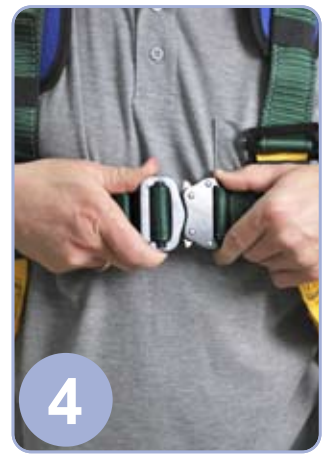
2

Slide the harness on like you would a jacket.



3

Ensure the dorsal Dee ring on the harness is located between your shoulder blades.



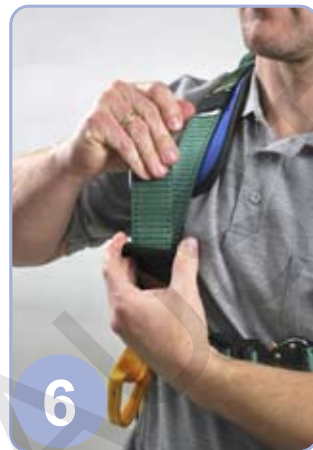
4

Connect the chest strap to secure the harness to your upper body.



5

Secure the waist strap if provided on the harness.



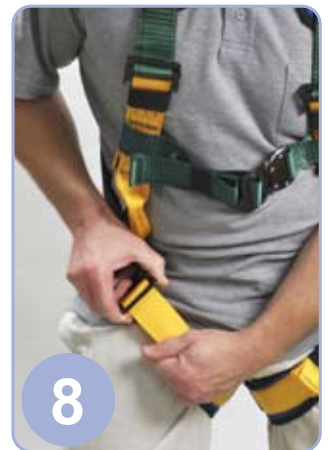
6

Adjust both shoulder straps to fit firmly.



7

Fit leg straps ensuring the webbing is sitting flat against the legs or padding. Always connect the left leg strap to the left leg buckle never cross them over.



8

Once fitted adjust all straps to ensure the harness is fitted securely to the body and is not loose.



9

When using the front webbing loops ensure they are always brought together and connected with an approved connector. Never use the front webbing loops singularly.



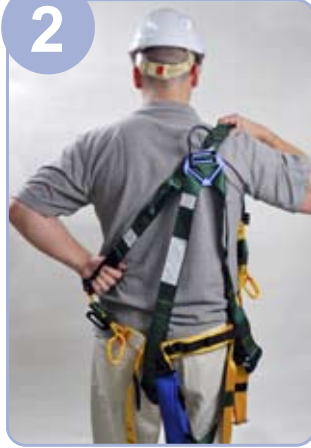
10

Once the harness is fitted correctly ask a work colleague to perform a safety inspection of the harness for you. When fitting your harness make sure that the front central chest "D" ring is centrally located on the chest.

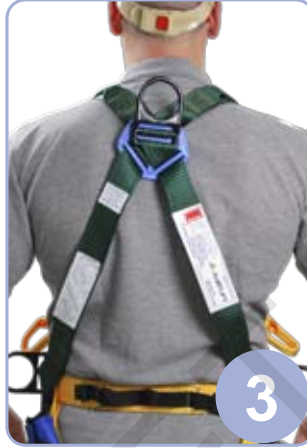
TRADESMAN HARNESS FITTING INSTRUCTION



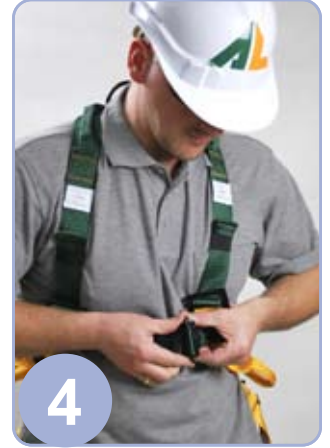
1
Locate the front of the harness and remove any twists or bunching in the webbing.



2
Slice the harness on like you would a jacket



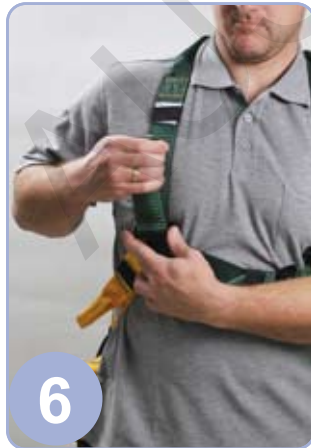
3
The triangular back pad and Dorsal Dee should sit between your shoulder blades in the centre of your back



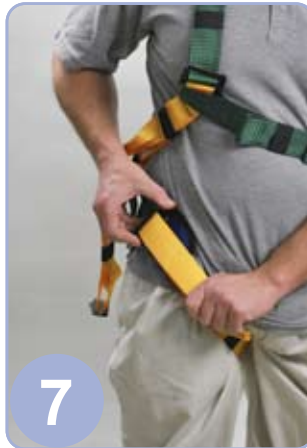
4
Locate the front chest strap. Place the male selection of the buckle through the female section pointy end first.



5
Adjust chest strap to fit firmly.



6
When adjusting with both shoulder straps ensure there are no twists in your harnesses webbing. At all times the webbing should sit flat against your body.



7
Once fitted adjust all straps to ensure the harness is fitted securely to the body and is not loose.



8
Once the harness is fitted correctly ask a work colleague to perform a safety inspection of the harness for you.

TRAUMA STRAP DEPLOYMENT



STEP 1:

Prior to using your harness remove the Trauma Strap and familiarize yourself with the device and its operation. Adjust straps to suit your leg length. Perform all other mandatory pre start checks. Generally the required length will be 100mm shorter than your own leg length to achieve a comfortable position post fall.

Your Trauma Strap is located at the rear of the harness below your lap.

STEP 2: Before you expose yourself to a work environment that may result in a suspended fall make sure you know how use your Trauma Strap. It may save your life!

2

3

4

STEP 3:

To deploy the standing step remove the Velcro straps on the pouch.

6

STEP 4:

Locate the female buckle on the opposite side of your harness to the Trauma Strap.

Let the step deploy from the pouch completely then bring the male buckle around the front of your body.



5

STEP 5:

Hang on to the clip at the top of the pouch and let the strap fall below you.

STEP 6:

Connect the male and female components of the buckles together until they click and are secure.

STEP 7:

Place your foot into the base of the Trauma Strap and adjust to a position where you are comfortable. The Trauma Strap is easily adjustable while you wait for rescue.

If the base of the strap is adjusted too high you may feel discomfort. Simply lift the buckle and adjust to a more comfortable position.

Please remember the Trauma Strap has been designed for your comfort and safety and is not a substitute for an effective and fast rescue plan. Consideration should be given to every working scenario to ensure a speedy rescue is possible.



7

HARNESS INSPECTION

When working at height your Harness should be inspected before use.

This action is an essential part of your personal safety.

Follow these few simple steps as part of your routine to ensure your harness will keep you safe at work.

It is your responsibility to ensure that your Personal Protection Equipment undergo periodic inspection and/or serviced to the manufacture's recommended inspection intervals or to AS/NZS 1891 Part 4 which ever is the lesser inspection interval.

With Personal Protection Equipment that has been subjected to harsh conditions inspection intervals shall be preformed more frequently even if the set life expectancy of the product still has a long expiry date.

It is possible for the equipment to expire prematurely due to harsh environments or if the product has been exposed to frequent use.

We also recommend that a competent person perform inspection or any service work, and a written record kept in a safe place.



STEP 1:

Check the labels for the harness serial number and ensure the serial number is legible and the date for withdrawal has not passed.

STEP 2:

Run your hands along each piece of webbing looking for cuts, abrasions, burn marks or deterioration. Check sewn patterns looking for cuts, broken threads, heat damage and stretching



STEP 3:

Check the buckles are functioning and inspect for distortion, cracking and damage.

STEP 4:

Check the harness hardware Dee rings for distortion, cracking and damage.

**Sydney (Head Office):**

43 Frank St
Wetherill Park, NSW 2164
Ph: 02 9757 2277
Fax: 02 9757 2922

Melbourne:

47 Technology Drive
Sunshine West, VIC 3020
Ph: 03 9314 5525
Fax: 03 9314 5526

Brisbane:

7 Durbell St
Acacia Ridge, QLD 4110
Ph: 07 3272 0777
Fax: 07 3272 0788

Perth:

Unit 5, 2-4 Mallaig Way
Canning Vale WA 6155
Ph: 08 9256 3440
Fax: 08 9256 4408

Authorised Distributor: