

# PRODUCT CATALOGUE

quality products, the right price & best advice



**AWR**  
BALUSTRADE & WIRE SOLUTIONS



AWR Solutions are proud distributors of...



AWR is a proud member of



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# SERVICE OVERVIEW

## About Our Company

AWR Balustrade & Wire Solutions is a family owned and operated business supplying wholesale markets with top quality Stainless Steel and Galvanised wire rope and hardware at competitive prices. We also provide a swaging service (Ferrule, Hex, or Roll Swaging) and make wire rope products to suit most purposes (balustrading, rigging, etc) custom made to any length. We also offer a manufacturing service for stainless steel tube, so we are able to provide to you a complete kit form, ready for you to install. This also includes cutting tube to size, welding base plates, insertion of blind rivet nuts.

We pride ourselves on our workmanship and are happy to offer expert advice, with friendly and helpful service in whatever your requirements may be. We service many industries including

- Chandleries
- Industrial Rigging & Lifting
- Fasteners and Engineering Supplies
- Balustraders / Fabricators
- Builders
- Fruit Growers
- Shade Sail Manufacturers
- Fishing Industry
- Mining Industry
- Landscapers

## Services Provided

As well as supplying top quality products, our factory is fully equipped to manufacture Wire Rope and Stainless Steel Tube products to suit most applications

Ferrule Swaging:

Our 18 – 300 Tonne Hydraulic Presses allow for the swaging of Ferrules for wire rope from 1mm up to 22mm.

Hex Swaging:

Our 18 – 300 Tonne Hydraulic Presses allow for Hexagonal swaging of Terminal fittings for wire rope from 2.5mm up to 16mm

Roll Swaging:

Our Twin Ram Roll Swager allows for Roll Swaging of Terminal fittings for wire rope from 8mm to 28mm

Fabrication Services:

We also have cutting and welding facilities to cut tube to size and weld base plates onto upright posts. We can also insert blind rivet nuts into the tube.

## Balustrading

A major part of our business is the manufacture and supply of Balustrading systems. We have a wide range of products to suit every customer from budget D.I.Y. systems to stylish Factory made kits. Information on our high quality stainless steel Balustrading systems can be found on page seven (7), and factory made order form on page ninety-one (91).

# CATALOGUE USAGE

## How to Use This Catalogue

This catalogue has been Produced and Designed by the staff at AWR Balustrade & Wire Solutions. It is designed to provide detailed product specifications and to assist in product selection and ordering.

Although accurate at the time of printing, information contained in this catalogue is subject to change without notice.

If you require further information or assistance about any of the products listed within, please contact our experienced staff by any of the contact details listed at the bottom of this page.

Definitions:

AIS1304 – 304 Grade Stainless Steel

AIS1316 – 316 Grade Stainless Steel

WLL – Working Load Limit (kg).

B/S – Minimum Breaking Strain (kg)

TDL – Total Deformation Load (Kg)

Load Capacity - Weight of Load to be Strapped down.

Wgt – Weight of an item (g or Kg)

RWL – Recommended Working Load (Kg)

All Measurements are given in Millimetres unless otherwise specified.

## Catalogue Sections

- Wire Rope – Stainless Steel and Galvanised
- Galvanised Hardware
- Slings / Tie Down Straps
- Pool Fence and Glass Fittings
- Specialised Tools
- Pre-fabricated Posts
- Stainless Steel Hardware
- Chains
- Tube and Handrail Fittings
- Fasteners
- Cleaners / Protectants

## How to Order

Please contact us for further information on how to order these products. We can assist you with pricing, delivery charges, terms of payment and return policies. An order form for our factory made balustrading systems can be found on page ninety-one (91).

Contact via

Phone: 07 3902 2660

Fax: 07 3902 2666

Email: [sales@awrsolutions.com.au](mailto:sales@awrsolutions.com.au)

Website: [www.awrsolutions.com.au](http://www.awrsolutions.com.au)

Address : 5 / 23 Alexandra Place, Murarrie Qld 4172

# STAINLESS STEEL PROPERTIES

## Stainless Steel Grades

Stainless Steel alloys are grouped according to the structure of their crystals. Adding nickel creates the structure used in marine applications, called austenitic. Austenitic stainless steels are identified by their '300' series designation.

Grade '304' is used for rigging, fasteners, fittings, and propeller shafts. This grade is made up of 18% chromium and 8% nickel offering good corrosion resistance. Type 304 is the most common stainless steel produced, and satisfies a broad demand for adequate performance at an affordable price. Type 304 is inadequate for many marine applications.

Grade '316' offers the best corrosion resistance among standard stainless steels. Type 316 is made by adding more nickel and 2% molybdenum to Grade 304. It resists pitting and corrosion by most chemicals, and is particularly resistant to salt water corrosion, making it ideal for most marine applications. Type 316 is only about 85% as strong as Type 304.

## Caring For Your Stainless Steel Products

It is a common belief that stainless steel is a "Maintenance Free" Material.

However, this is not necessarily correct. All Grades of Stainless Steel are susceptible to some form of staining. To prevent staining, periodic cleaning is required.

"Stainless Steel enjoys a strong and enduring reputation for long term appearance and structural integrity. But, like all materials, stainless steel may become stained or discoloured over time impairing the overall look. This brown discolouration, known as tea staining, has been identified in coastal applications in Australia and overseas.

"Factors surrounding tea staining have been researched by ASSDA and the information gathered has been supported by experiences around the world" quoted by ASSDA (Australian Stainless Steel Development Association)

**Grade '316' Stainless Steel for marine applications**

## Environmental Factors

Tea staining occurs most commonly within approximately five kilometres from the water and becomes progressively worse closer to the marine source. Other environmental factors such as wind exposure, pollution levels and extreme temperatures can create environments in which tea staining may occur 20 kilometres or more from salt water. These factors also increase corrosion rates of alternate materials.

## Regular Care

Washing removes contaminants (such as sea salt) that can cause corrosion and is necessary to avoid tea staining. Rain washing helps in reducing tea staining, so design the job to take advantage of the rain but ensure good drainage.

## Maintenance and Protection

Even smooth stainless steel finishes in coastal environments may show tea staining if not washed regularly. For best results wash with soap or mild detergent and warm water followed by rinsing with clean cold water. The appearance of the surface can be improved further if the surface is wiped dry. Treating the stainless steel with Molytec or Cyndan protective products will help maintain the clean fresh look.

More information on these products can be found on pages 84 – 88.

## Corrosion Definition

When stainless steel is produced, the chromium forms an outer oxide layer. As long as this layer remains intact, the stainless steel remains passive. Once the oxide layer begins to break down, the stainless steel becomes active and its corrosion resistance is reduced. Rust is the obvious, visible evidence of corrosive activity.

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# BALUSTRADING SYSTEMS

## Next Day Turn Around

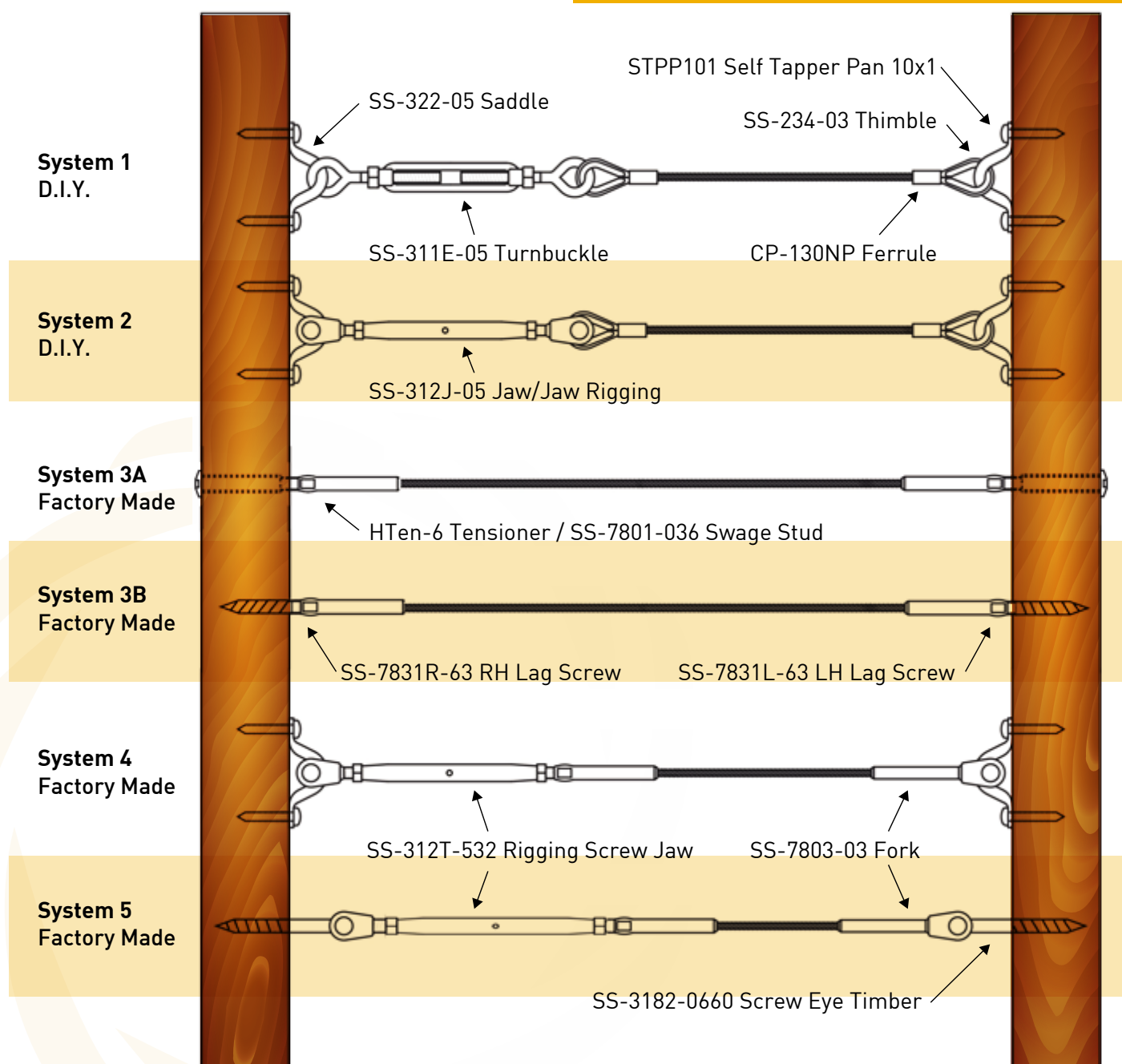
With the implementation of our new automated cutting machine we now offer next day turn around on our standard balustrading systems. DIY Systems 1 and 2 are available off the shelf for immediate collection or delivery. For factory made systems if your order is placed by 2pm we will have it ready for collection or dispatch by close of business the next working day. This applies to our standard factory made wire balustrading systems and quantities. Other systems manufacturing times may vary.



Please contact our friendly staff for lead times on non-standard quantities or systems and we will do our best to work within your time frames. All we need from you is the inside\* of post measurements and which system you require and we will do the rest.

\* NB System 3A requires outside of post measurements.

See page 48 – 57 for prefabricated posts,  
See page 90 – 91 for order form



Wire rope looks great with handrail setups

### WIRE ROPE 1X19 CONSTRUCTION AISI 316 (MARINE GRADE)

- Smooth finish wire, high tensile strength, limited flexibility and stretch
- Suits applications where wire will not be subject to bending stresses
- Use with standing rigging, mast stays, swage fittings in balustrading
- Highest resistance to tea staining

| Code            | Wire Ø | B/S  | 305M Reel | 1000M Reel | Cut Lgths | Wgt/Reel (305M) |
|-----------------|--------|------|-----------|------------|-----------|-----------------|
| WRS/119/316-01  | 1.0    | 84   | Yes       | -          | Yes       | 1.6Kg           |
| WRS/119/316-012 | 1.2    | 121  | Yes       | -          | Yes       | 2.5Kg           |
| WRS/119/316-016 | 1.6    | 215  | Yes       | Yes        | Yes       | 4.0Kg           |
| WRS/119/316-02  | 2.0    | 336  | Yes       | -          | Yes       | 6.2Kg           |
| WRS/119/316-025 | 2.5    | 525  | Yes       | -          | Yes       | 9.7Kg           |
| WRS/119/316-032 | 3.2    | 861  | Yes       | Yes        | Yes       | 15.9Kg          |
| WRS/119/316-04  | 4.0    | 1340 | Yes       | -          | Yes       | 24.9Kg          |
| WRS/119/316-05  | 5.0    | 2100 | Yes       | -          | Yes       | 38.9Kg          |
| WRS/119/316-06  | 6.0    | 3030 | Yes       | -          | Yes       | 56.0Kg          |
| WRS/119/316-08  | 8.0    | 5380 | Yes       | -          | Yes       | 97.0Kg          |
| WRS/119/316-10  | 10.0   | 8400 | Yes       | -          | Yes       | 151.0Kg         |

### WIRE ROPE 7X7 CONSTRUCTION AISI 316 (MARINE GRADE)

- Common semi-flexible wire suited for balustrading and general rigging applications
- Can be used with swage fittings or wire rope ferrules
- \* Not suitable for use with wire rope ferrules

| Code           | Wire Ø | B/S  | 305M Reel | 1000M Reel | Cut Lgths | Wgt/Reel (305M) |
|----------------|--------|------|-----------|------------|-----------|-----------------|
| WRS/77/316-010 | 1.0    | 52.5 | 500mtr    | -          | Yes       | 2.1Kg           |
| WRS/77/316-012 | 1.2    | 86   | Yes       | -          | Yes       | 1.9Kg           |
| WRS/77/316-016 | 1.6    | 153  | Yes       | Yes        | Yes       | 2.9Kg           |
| WRS/77/316-02  | 2.0    | 258  | Yes       | -          | Yes       | 5.2Kg           |
| WRS/77/316-025 | 2.5    | 374  | Yes       | -          | Yes       | 8.1Kg           |
| WRS/77/316-032 | 3.2    | 612  | Yes       | Yes        | Yes       | 13.1Kg          |
| WRS/77/316-04  | 4.0    | 1030 | Yes       | Yes        | Yes       | 20.5Kg          |
| WRS/77/316-05* | 5.0    | 1620 | Yes       | Yes        | Yes       | 32.1Kg          |
| WRS/77/316-06* | 6.0    | 2070 | Yes       | -          | Yes       | 46.2Kg          |
| WRS/77/316-08* | 8.0    | 3681 | Yes       | -          | Yes       | 82.0Kg          |
| WRS/77/316-10* | 10.0   | 5741 | Yes       | -          | Yes       | 129.0Kg         |
| WRS/77/316-12* | 12.0   | 8270 | Yes       | -          | Yes       | 184.5Kg         |

### WIRE ROPE 7X19 CONSTRUCTION AISI 316 (MARINE GRADE)

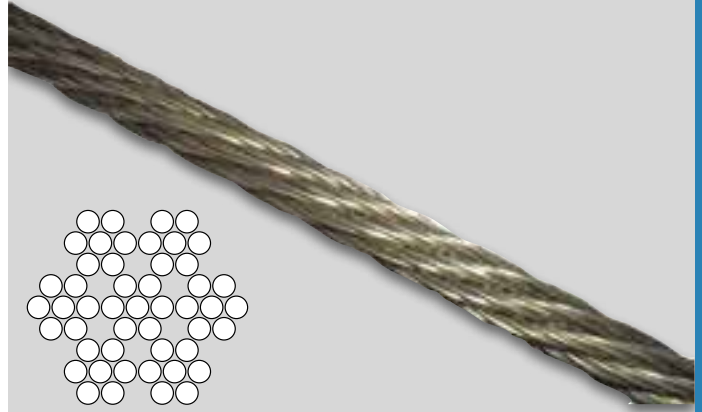
- Highly flexible wire, suitable for running rigging, control cables, cranes and winches
- Easiest wire to hand swage

| Code            | Wire Ø | B/S  | 305M Reel | 1000M Reel | Cut Lgths | Wgt/Reel (305M) |
|-----------------|--------|------|-----------|------------|-----------|-----------------|
| WRS/719/316-016 | 1.6    | 153  | Yes       | -          | Yes       | 2.9Kg           |
| WRS/719/316-02  | 2.0    | 239  | Yes       | -          | Yes       | 5.0Kg           |
| WRS/719/316-025 | 2.5    | 373  | Yes       | -          | Yes       | 7.9Kg           |
| WRS/719/316-032 | 3.2    | 611  | Yes       | Yes        | Yes       | 12.8Kg          |
| WRS/719/316-04  | 4.0    | 956  | Yes       | Yes        | Yes       | 20.1Kg          |
| WRS/719/316-05  | 5.0    | 1490 | Yes       | -          | Yes       | 31.3Kg          |
| WRS/719/316-06  | 6.0    | 1907 | Yes       | -          | Yes       | 45.1Kg          |
| WRS/719/316-08  | 8.0    | 3396 | Yes       | -          | Yes       | 80.1Kg          |
| WRS/719/316-10  | 10.0   | 5313 | Yes       | -          | Yes       | 125.1Kg         |
| WRS/719/316-12  | 12.0   | 7648 | Yes       | -          | Yes       | 180.1Kg         |

## WIRE ROPE 7X7 CONSTRUCTION AISI 304

- Semi-flexible wire suitable for internal use away from salt water and acidic environments

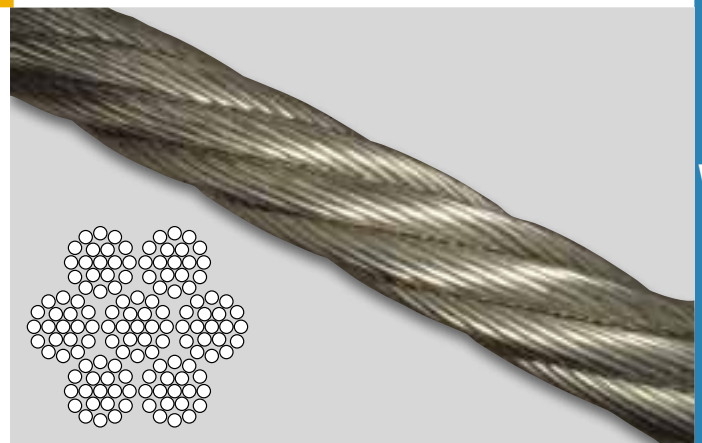
| Code           | Wire Ø | B/S  | 305M Reel | 1000M Reel | Cut Lgths | Wgt/Reel (305M) |
|----------------|--------|------|-----------|------------|-----------|-----------------|
| WRS/77/304-012 | 1.2    | 86   | Yes       | -          | Yes       | 1.9Kg           |
| WRS/77/304-016 | 1.6    | 153  | Yes       | Yes        | Yes       | 2.9Kg           |
| WRS/77/304-032 | 3.2    | 661  | Yes       | Yes        | Yes       | 13.1Kg          |
| WRS/77/304-04  | 4.0    | 1030 | Yes       | -          | Yes       | 20.5Kg          |



## WIRE ROPE 7 X 19 CONSTRUCTION AISI 304

- Highly flexible wire, suitable for internal use away from salt water and acidic environments

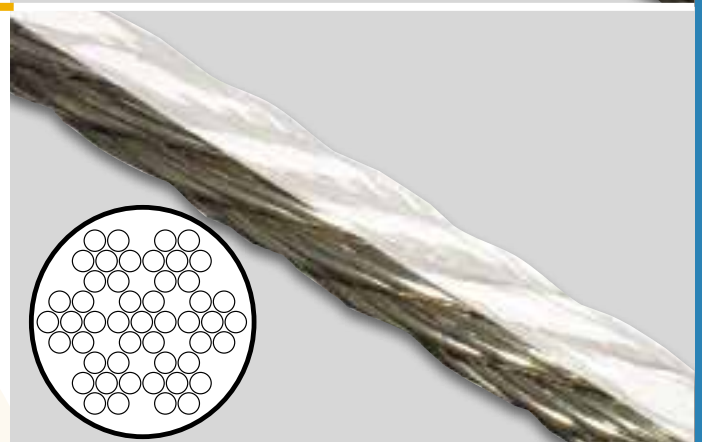
| Code            | Wire Ø | B/S  | 305M Reel | Cut Lgths | Wgt/Reel (305M) |
|-----------------|--------|------|-----------|-----------|-----------------|
| WRS/719/304-032 | 3.2    | 612  | Yes       | Yes       | 12.8Kg          |
| WRS/719/304-04  | 4.0    | 956  | Yes       | Yes       | 20.1Kg          |
| WRS/719/304-05  | 5.0    | 1499 | Yes       | Yes       | 31.3Kg          |
| WRS/719/304-06  | 6.0    | 2162 | Yes       | Yes       | 45.1Kg          |
| WRS/719/304-08  | 8.0    | 3834 | Yes       | Yes       | 80.1Kg          |



## WIRE ROPE 7X7 CONSTR. PVC COATED AISI 316 (MARINE GRADE)

- PVC Coated Wire – Coated White (other colours may be available on request)
- Suits safety lines, light industry and architectural applications

| Code          | Wire Ø | Total Ø | B/S  | 305M Reel | Cut Lgths | Wgt/Reel (305M) |
|---------------|--------|---------|------|-----------|-----------|-----------------|
| WRS/77/PW-032 | 3.2    | 5.6     | 612  | Yes       | Yes       | 13.3Kg          |
| WRS/77/PW-04  | 4.0    | 6.4     | 1030 | Yes       | Yes       | 28.5Kg          |
| WRS/77/PW-05  | 4.8    | 7.2     | 1493 | Yes       | Yes       | 44.0Kg          |



## LOCKING WIRE (TIE WIRE) STAINLESS STEEL AISI 304

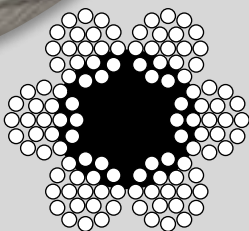
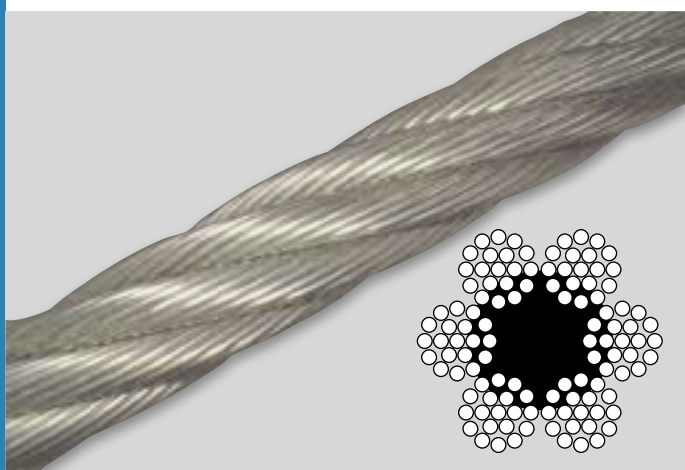
- Single strand locking wire
- Outdoor Tie wire, oyster farms, safety wire etc

| Code      | Size          | Lgth  |
|-----------|---------------|-------|
| WR-234664 | 0.020" (0.5)  | 283m  |
| WR-234699 | 0.025" (0.75) | 181m  |
| WR-469602 | 0.032" (0.9)  | 110m  |
| WR-234737 | 0.041" (1.1)  | 67m   |
| WR-234761 | 0.051" (1.3)  | 43.5m |
| WR-234762 | 0.062" (1.57) | 29.5m |

Quality Korean made stainless steel wire rope products.

Mill & Test Reports available on request.  
Alternate sizes and lengths available on request.

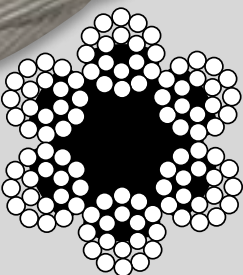
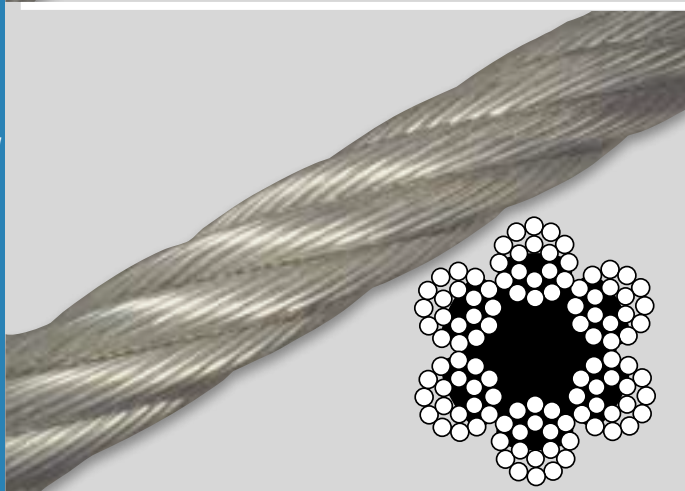




### WIRE ROPE 6 X 19 FIBRE CORE GALVANISED GRADE 1570

- General Purpose Application
- Reasonably Flexible Fibre Core Rope
- Available in 100Mtr, 500Mtr & 1000Mtr rolls or cut to size • \*Only available in 1000Mtr rolls

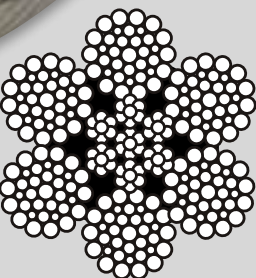
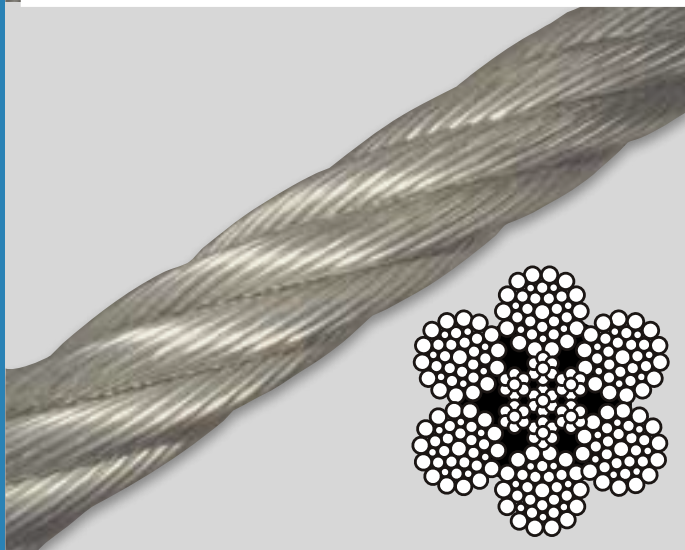
| Code          | Size Ø | MBS kN | kg/100Mtr |
|---------------|--------|--------|-----------|
| WRG619FC-030  | 3.0    | 4.26   | 3.1       |
| WRG619FC-035  | 3.5    | 5.8    | 4.2       |
| WRG619FC-040  | 4      | 7.7    | 5.5       |
| WRG619FC-050  | 5      | 12.0   | 8.6       |
| WRG619FC-060  | 6      | 17.6   | 12.4      |
| WRG619FC-070* | 7      | 23.4   | 16.9      |
| WRG619FC-080  | 8      | 30.9   | 22.1      |
| WRG619FC-090* | 9      | 39.1   | 28.0      |
| WRG619FC-100  | 10     | 48.2   | 34.6      |



### WIRE ROPE 6 X 24 FIBRE CORE GALVANISED GRADE 1570

- General Purpose Application • Most Flexible Fibre Core Rope
- Available in 500Mtr & 1000Mtr rolls or cut to size • \*Not available in 500Mtr rolls

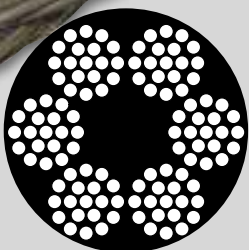
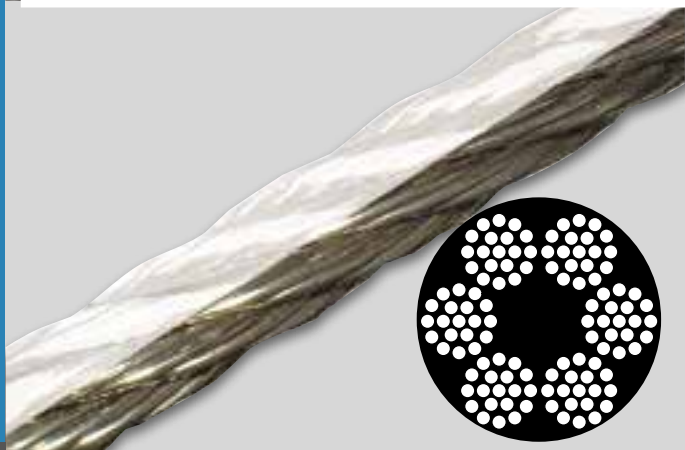
| Code          | Size Ø | MBS kN | kg/100Mtr |
|---------------|--------|--------|-----------|
| WRG624FC-060* | 6      | 15.8   | 11.4      |
| WRG624FC-080* | 8      | 28.2   | 20.4      |
| WRG624FC-100  | 10     | 44.0   | 31.8      |
| WRG624FC-120  | 12     | 63.3   | 45.8      |
| WRG624FC-130  | 13     | 74.3   | 53.8      |
| WRG624FC-140  | 14     | 86.2   | 62.4      |
| WRG624FC-160  | 16     | 113    | 81.5      |
| WRG624FC-180  | 18     | 143    | 103       |
| WRG624FC-200  | 20     | 176    | 127       |
| WRG624FC-220  | 22     | 213    | 154       |
| WRG624FC-240  | 24     | 253    | 183       |



### WIRE ROPE 6 X 36SW + IWRC GALVANISED GRADE 1770

- Available in 500Mtr & 1000Mtr rolls or cut to size • \*Only available in 1000Mtr rolls

| Code           | Size Ø | MBS kN | kg/100Mtr |
|----------------|--------|--------|-----------|
| WRG636IWRC-09* | 9      | 51.5   | 33.9      |
| WRG636IWRC-10* | 10     | 63.1   | 43        |
| WRG636IWRC-11* | 11     | 76.3   | 52        |
| WRG636IWRC-12* | 12     | 90.8   | 62        |
| WRG636IWRC-13  | 13     | 107    | 73        |
| WRG636IWRC-14  | 14     | 124    | 84.3      |
| WRG636IWRC-16  | 16     | 161    | 110       |
| WRG636IWRC-18  | 18     | 204    | 138       |
| WRG636IWRC-20  | 20     | 252    | 167       |
| WRG636IWRC-22  | 22     | 305    | 202       |
| WRG636IWRC-24  | 24     | 363    | 240.5     |
| WRG636IWRC-26  | 26     | 426    | 282.2     |
| WRG636IWRC-28  | 28     | 494    | 327.3     |
| WRG636IWRC-32  | 32     | 646    | 427.5     |



### WIRE ROPE 6 X 19 FIBRE CORE PVC COATED GALVANISED GRADE 1570

- Applications - General purpose, marine, architectural, external, stage/theatre, wherever PVC coating is required
- Reasonably Flexible Fibre Core Rope
- Standard colour is Blue, also available in Red, Green, White, Black, Clear, Yellow & Orange by request
- Available in 500Mtr & 1000Mtr rolls or cut to size • \*Not available in 500Mtr rolls

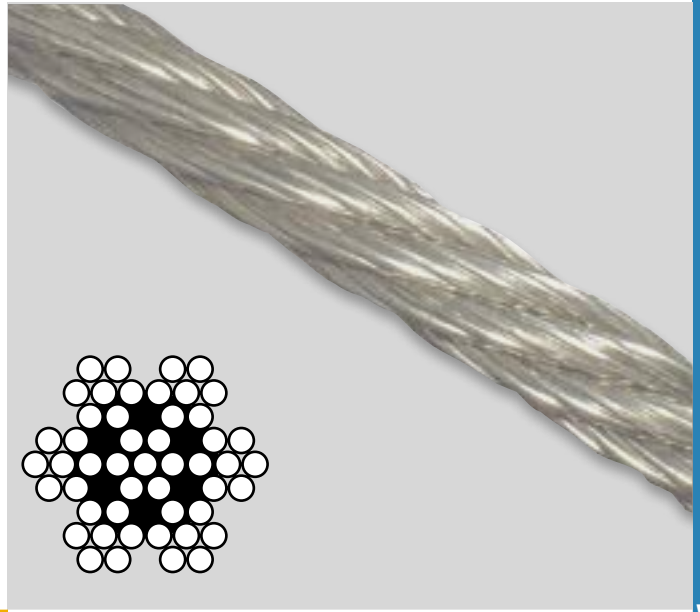
| Code            | Core Ø | PVC Ø | MBS kN | kg/100Mtr |
|-----------------|--------|-------|--------|-----------|
| WRG619PVC-03.5* | 3.5    | 5.0   | 6.4    | 4.6       |
| WRG619PVC-04*   | 4.0    | 6.0   | 8.5    | 6.1       |
| WRG619PVC-05    | 5.0    | 7.0   | 13.2   | 9.5       |
| WRG619PVC-06    | 6.0    | 8     | 19.3   | 13.7      |
| WRG619PVC-08    | 8.0    | 10    | 33.3   | 18.7      |
| WRG619PVC-10    | 10     | 12    | 52.1   | 30.8      |

## GALVANISED GRADE 1570 / 2070 / NON ROTATING

### WIRE ROPE 7 X 7 GALVANISED GRADE 1570

- General Purpose Application / Standard Rigging • Semi Flexible
- Available in 500Mtr & 1000Mtr rolls or cut to size • \*Only available in 500Mtr rolls

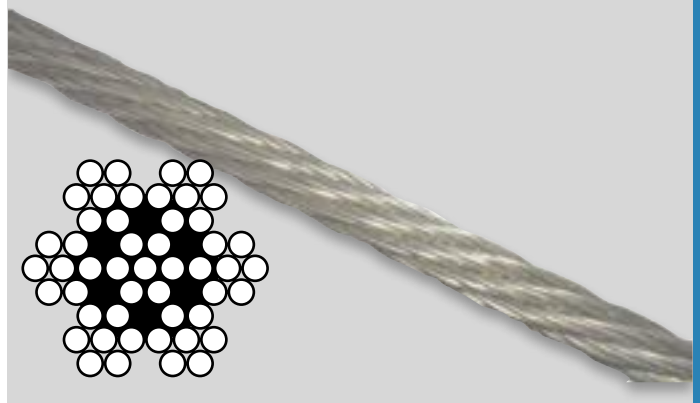
| Code           | Size Ø | MBS kN | kg/100Mtr |
|----------------|--------|--------|-----------|
| WRG77IWRC-01.6 | 1.6    | 1.73   | 1.26      |
| WRG77IWRC-02   | 2      | 2.3    | 1.6       |
| WRG77IWRC-02.5 | 2.5    | 3.14   | 3.0       |
| WRG77IWRC-03   | 3      | 5.2    | 3.6       |
| WRG77IWRC-04   | 4      | 9.2    | 6.3       |
| WRG77IWRC-05   | 5      | 14.3   | 9.9       |
| WRG77IWRC-06   | 6      | 20.6   | 14.3      |
| WRG77IWRC-07   | 7      | 28.2   | 19.7      |
| WRG77IWRC-08   | 8      | 36.0   | 25.2      |
| WRG77IWRC-09   | 9      | 45.7   | 32        |
| WRG77IWRC-10   | 10     | 56.2   | 39.2      |
| WRG77IWRC-11   | 11     | 68.2   | 47.5      |
| WRG77IWRC-12*  | 12     | 81     | 56.7      |
| WRG77IWRC-16*  | 16     | 144    | 101       |
| WRG77IWRC-20*  | 20     | 171    | 120       |



### WIRE ROPE 7 X 7 GALVANISED GRADE 2070

- Irrigator Cable / Standard Rigging • Semi Flexible
- Available in 500Mtr & 1000Mtr rolls or cut to size
- \*Only available in 1000Mtr rolls

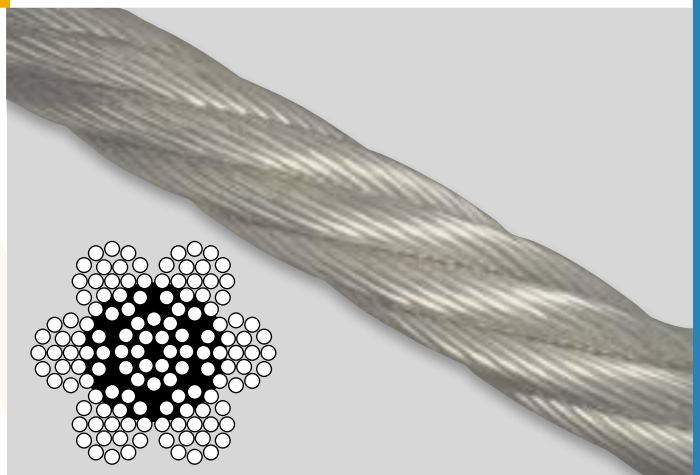
| Code            | Size Ø | MBS kN | kg/100Mtr |
|-----------------|--------|--------|-----------|
| WRG77IWRCIW-05  | 5      | 18.8   | 9.9       |
| WRG77IWRCIW-06  | 6      | 27.1   | 14.3      |
| WRG77IWRCIW-07  | 7      | 37.1   | 19.7      |
| WRG77IWRCIW-08  | 8      | 47.4   | 25.2      |
| WRG77IWRCIW-09  | 9      | 60.2   | 32        |
| WRG77IWRCIW-10  | 10     | 74.5   | 39.2      |
| WRG77IWRCIW-11* | 11     | 89.0   | 47.5      |
| WRG77IWRCIW-12* | 12     | 103    | 56.7      |



### WIRE ROPE 7 X 19 GALVANISED GRADE 2070

- Aircraft cable for General Purpose, Winches, 4WD etc • Very Flexible
- Where a high breaking force is required • \*Only available in 1000Mtr rolls
- Available in 500Mtr & 1000Mtr rolls or cut to size

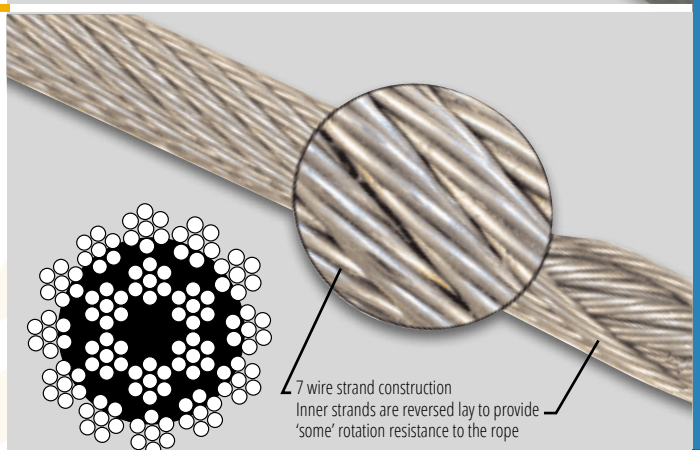
| Code          | Size Ø | MBS kN | kg/100m |
|---------------|--------|--------|---------|
| WRG719IWR-03* | 3.0    | 7.8    | 3.68    |
| WRG719IWR-032 | 3.2    | 8.9    | 4.2     |
| WRG719IWR-04  | 4      | 11.2   | 6.1     |
| WRG719IWR-05  | 5      | 17.4   | 9.5     |
| WRG719IWR-06  | 6      | 25.4   | 13.7    |
| WRG719IWR-08  | 8      | 43.9   | 24.4    |
| WRG719IWR-09  | 9      | 55.6   | 30.8    |
| WRG719IWR-10  | 10     | 68.6   | 38.1    |
| WRG719IWR-11* | 11     | 83.2   | 46.1    |
| WRG719IWR-12* | 12     | 98.9   | 54.8    |



### WIRE ROPE 18 X 7FC NON ROTATING GALVANISED GRADE 2070

- Manufactured in accordance with AS3569 - 1989
- Test certificates available • Medium lubricating for longer life
- Available in 500Mtr & 1000Mtr rolls or cut to size • \*Only available in 1000Mtr rolls

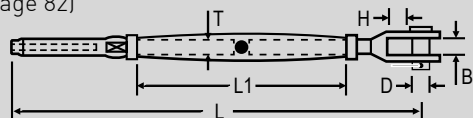
| Code         | Size Ø | MBS kN | kg/100Mtr |
|--------------|--------|--------|-----------|
| WRG187NR-06  | 6      | 23.7   | 13.8      |
| WRG187NR-08  | 8      | 42.1   | 24.5      |
| WRG187NR-09* | 9      | 53.4   | 31        |
| WRG187NR-10  | 10     | 66.1   | 38.3      |
| WRG187NR-11  | 11     | 79.8   | 46.3      |
| WRG187NR-12  | 12     | 95.0   | 55.1      |
| WRG187NR-13  | 13     | 111    | 64.7      |
| WRG187NR-14* | 14     | 130    | 75        |
| WRG187NR-16* | 16     | 168    | 98        |



# STAINLESS STEEL HARDWARE

## RIGGING SCREWS

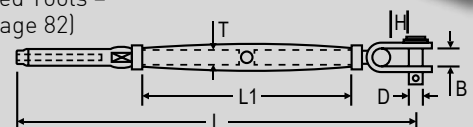
Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 82)



### RIGGING SCREW JAW + SWAGE W/LOCK NUTS AISI 316

| Code        | Rope Ø | T   | B    | D    | H  | L   | L1  | RWL  | TDL  | Wgt  |
|-------------|--------|-----|------|------|----|-----|-----|------|------|------|
| SS-312T-525 | 2.5    | M5  | 8.5  | 5.0  | 9  | 155 | 80  | 150  | 750  | 52g  |
| SS-312T-532 | 3.2    | M5  | 8.5  | 5.0  | 9  | 155 | 80  | 150  | 750  | 52g  |
| SS-312T-632 | 3.2    | M6  | 9.5  | 6.0  | 10 | 175 | 95  | 250  | 1000 | 76g  |
| SS-312T-64  | 4.0    | M6  | 9.5  | 6.0  | 10 | 175 | 95  | 250  | 1000 | 80g  |
| SS-312T-85  | 5.0    | M8  | 10.5 | 8.0  | 10 | 205 | 105 | 350  | 1400 | 146g |
| SS-312T-106 | 6.0    | M10 | 12.5 | 10.0 | 13 | 230 | 125 | 550  | 2200 | 278g |
| SS-312T-128 | 8.0    | M12 | 15.5 | 12.0 | 19 | 290 | 150 | 1000 | 4000 | 477g |

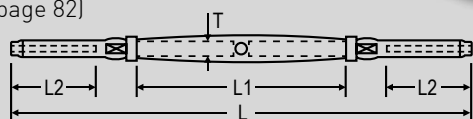
Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 82)



### RIGGING SCREW TOGGLE + SWAGE W/LOCK NUTS AISI 316

| Code         | Rope Ø | T   | B    | D    | H  | L   | L1  | RWL  | TDL  | Wgt   |
|--------------|--------|-----|------|------|----|-----|-----|------|------|-------|
| SS-312T-632  | 3.2    | M6  | 10.0 | 6.0  | 11 | 160 | 90  | 235  | 940  | 86g   |
| SS-312T-64   | 4.0    | M6  | 10.0 | 6.0  | 11 | 160 | 90  | 350  | 1400 | 82g   |
| SS-312T-85   | 5.0    | M8  | 10.0 | 8.0  | 16 | 200 | 112 | 450  | 1800 | 100g  |
| SS-312T-106  | 6.0    | M10 | 12.0 | 10.0 | 13 | 225 | 125 | 645  | 2500 | 290g  |
| SS-312T-128  | 8.0    | M12 | 14.0 | 12.0 | 19 | 285 | 150 | 925  | 3700 | 528g  |
| SS-312T-1610 | 10.0   | M16 | 17.0 | 15.0 | 37 | 360 | 190 | 1725 | 6900 | 1174g |
| SS-312T-1612 | 12.0   | M16 | 17.0 | 15.0 | 26 | 360 | 190 | 1725 | 6900 | 1175g |

Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 82)

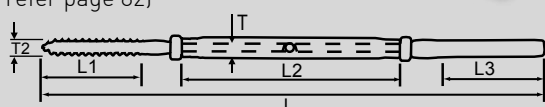


### RIGGING SCREW SWAGE + SWAGE W/LOCK NUTS AISI 316

- In-line tensioner for long balustrading runs

| Code         | Rope Ø | T  | L   | L1 | L2 | RWL | TDL  | Wgt |
|--------------|--------|----|-----|----|----|-----|------|-----|
| SS-312TT-532 | 3.2    | M5 | 188 | 80 | 37 | 150 | 600  | 68g |
| SS-312TT-632 | 3.2    | M6 | 198 | 95 | 37 | 250 | 1000 | 70g |

Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 82)

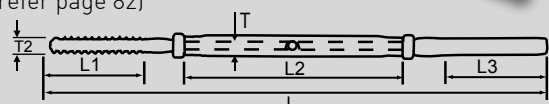


### RIGGING SCREW LAG + SWAGE W/LOCK NUTS AISI 316

- Timber threaded rigging screw for slimline applications into timber only

| Code         | Rope Ø | T  | L   | L1 | L2 | RWL | TDL | Wgt |
|--------------|--------|----|-----|----|----|-----|-----|-----|
| SS-312LT-532 | 3.2    | M5 | 185 | 49 | 39 | 150 | 750 | 45g |

Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 82)



### RIGGING SCREW SWAGE + STUD

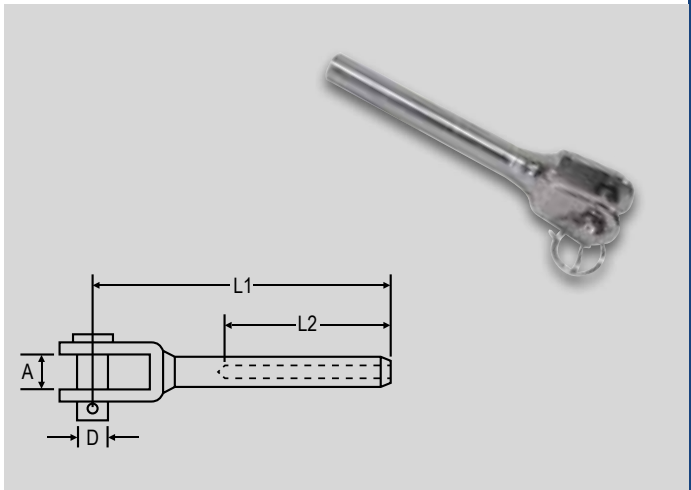
- Use in conjunction with blind rivet nuts (M6) for fast insertion into steel posts

| Code         | Rope Ø | T1 | T2 | L   | L1 | L2 | L3 | RWL | TDL | Wgt |
|--------------|--------|----|----|-----|----|----|----|-----|-----|-----|
| SS-312TS-532 | 3.2    | M5 | M6 | 170 | 21 | 80 | 37 | 150 | 750 | 45g |

## TERMINALS

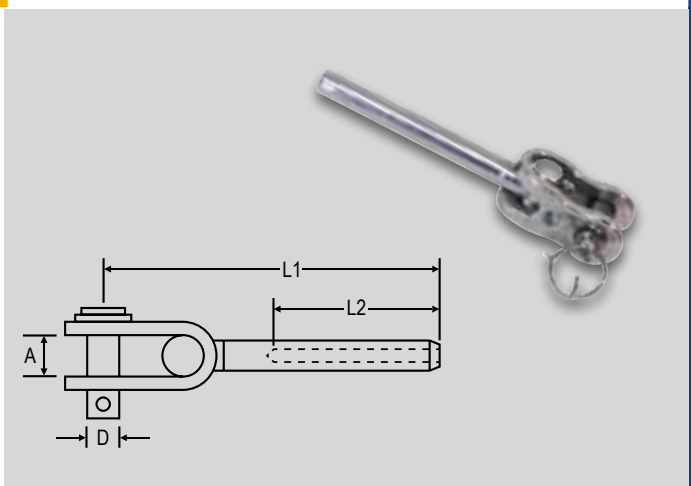
### FORK TERMINAL SWAGE AISI 316

| Code        | Rope Ø | A    | D  | L1  | L2 | RWL  | TDL  | Wgt  |
|-------------|--------|------|----|-----|----|------|------|------|
| SS-7803-025 | 2.5    | 7.0  | 5  | 55  | 24 | 185  | 700  | 22g  |
| SS-7803-03  | 3.2    | 8.5  | 5  | 65  | 32 | 313  | 1250 | 22g  |
| SS-7803-04  | 4.0    | 9.5  | 6  | 77  | 40 | 450  | 1800 | 30g  |
| SS-7803-05  | 5.0    | 10.0 | 8  | 88  | 57 | 663  | 2650 | 68g  |
| SS-7803-06  | 6.0    | 14.0 | 12 | 106 | 63 | 1000 | 4000 | 112g |
| SS-7803-08  | 8.0    | 15.0 | 14 | 145 | 85 | 1813 | 7250 | 292g |
| SS-7803-10  | 10.0   | 22.0 | 14 | 149 | 89 | 2100 | 8400 | 351g |



### FORK TERMINAL TOGGLE SWAGE AISI 316

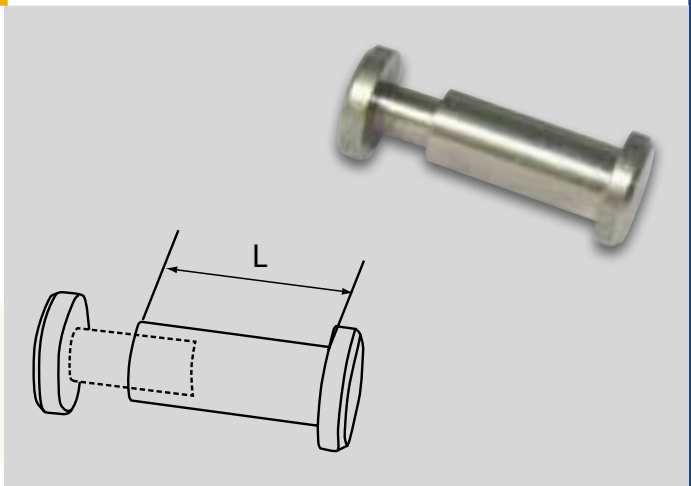
| Code        | Rope Ø | A  | D  | L1  | L2 | RWL  | TDL  | Wgt  |
|-------------|--------|----|----|-----|----|------|------|------|
| SS-7805-032 | 3.2    | 7  | 6  | 75  | 38 | 168  | 670  | 30g  |
| SS-7805-04  | 4.0    | 10 | 8  | 89  | 45 | 350  | 1400 | 58g  |
| SS-7805-05  | 5.0    | 12 | 9  | 104 | 51 | 425  | 1700 | 102g |
| SS-7805-06  | 6.0    | 13 | 12 | 127 | 64 | 1000 | 4000 | 172g |
| SS-7805-08  | 8.0    | 17 | 16 | 163 | 76 | 1750 | 7000 | 504g |
| SS-7805-10  | 10.0   | 20 | 18 | 184 | 89 | 1875 | 7500 | 642g |



### STAINLESS STEEL HAMMER PINS

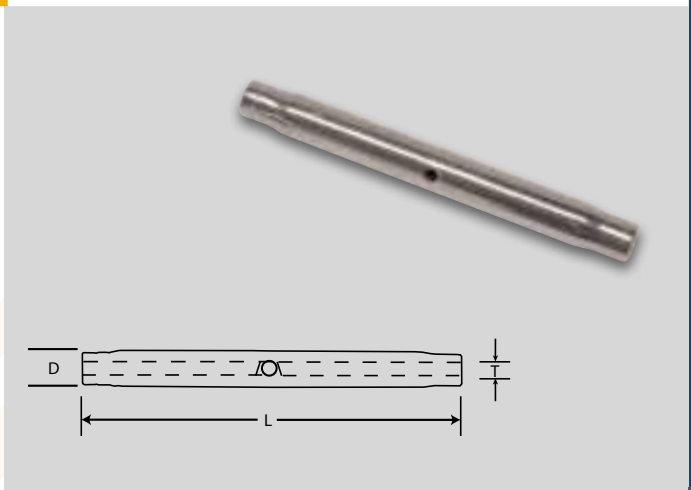
- Ideal for tamperproof applications
- Public places where vandalism may be a problem

| Code     | Size | L  | Suit                       |
|----------|------|----|----------------------------|
| SS-HP-05 | M5   | 11 | SS-7803-03, SS-312T-53     |
| SS-HP-06 | M6   | 13 | SS-312T-632/64, SS-7803-04 |

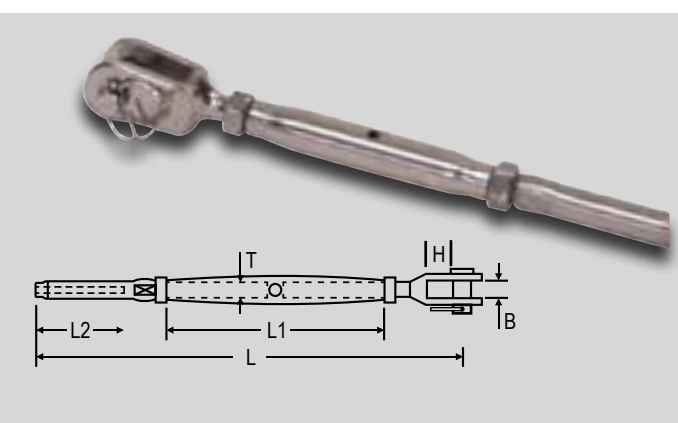


### BODY ONLY RIGGINGS SCREW AISI 316

| Code       | T   | D  | L   | Wgt |
|------------|-----|----|-----|-----|
| SS-312B-05 | M5  | 8  | 80  | 16g |
| SS-312B-06 | M6  | 10 | 95  | 28g |
| SS-312B-08 | M8  | 13 | 105 | 68g |
| SS-312B-10 | M10 | 17 | 125 | 82g |

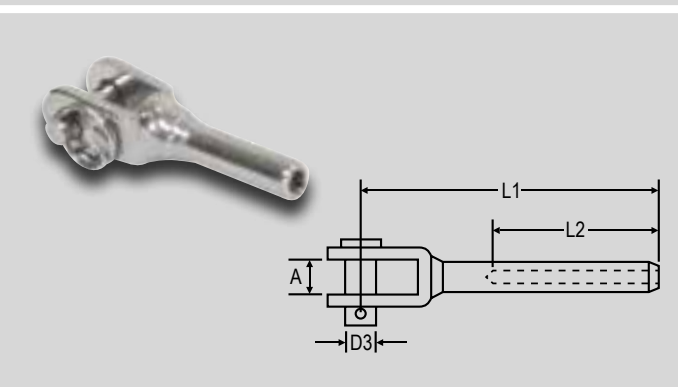


# STAINLESS STEEL HARDWARE MINIATURE PARTS RIGGING SCREWS



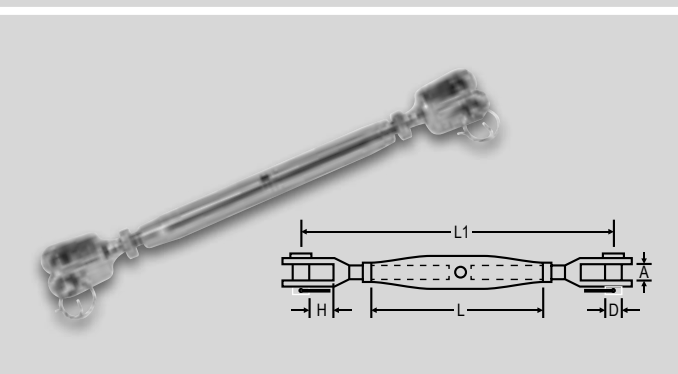
## RIGGING SCREW JAW+SWAGE MINI TYPE AISI 316

| Code         | Rope Ø | T  | B   | H  | L   | L1 | L2 | RWL | TDL | Wgt |
|--------------|--------|----|-----|----|-----|----|----|-----|-----|-----|
| SS-312TM-532 | 3.2    | M5 | 8.5 | 10 | 105 | 45 | 25 | 120 | 600 | 36g |



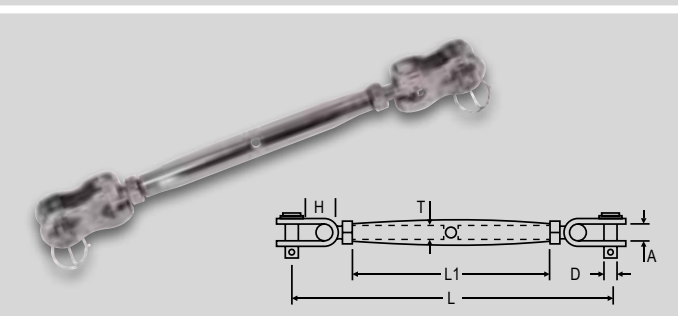
## FORK TERMINAL SWAGE MINI TYPE AISI 316

| Code        | Rope Ø | A   | D3 | L1 | L2 | RWL | TDL  | Wgt |
|-------------|--------|-----|----|----|----|-----|------|-----|
| SS-7803M-03 | 3.2    | 7.5 | 5  | 48 | 24 | 250 | 1000 | 18g |



## RIGGING SCREW JAW + JAW W/LOCK NUTS AISI 316

| Code       | T   | A    | D  | H  | L   | L1  | RWL  | TDL  | Wgt  |
|------------|-----|------|----|----|-----|-----|------|------|------|
| SS-312J-05 | M5  | 8.5  | 5  | 10 | 80  | 130 | 188  | 750  | 54g  |
| SS-312J-06 | M6  | 9.5  | 6  | 10 | 95  | 150 | 350  | 1400 | 84g  |
| SS-312J-08 | M8  | 10.5 | 8  | 11 | 105 | 180 | 550  | 2200 | 162g |
| SS-312J-10 | M10 | 12.5 | 10 | 14 | 125 | 220 | 863  | 3450 | 282g |
| SS-312J-12 | M12 | 15.0 | 12 | 21 | 150 | 270 | 1250 | 5000 | 504g |
| SS-312J-16 | M16 | 23.5 | 14 | 26 | 190 | 300 | 2000 | 8000 | 965g |



## RIGGING SCREW TOGGLE+ TOGGLE W/LOCK NUTS AISI 316

| Code       | T   | A  | D  | H  | L   | L1  | RWL | TDL  | Wgt  |
|------------|-----|----|----|----|-----|-----|-----|------|------|
| SS-3125-06 | M6  | 10 | 6  | 11 | 146 | 90  | 275 | 1100 | 98g  |
| SS-3125-08 | M8  | 10 | 8  | 16 | 180 | 105 | 463 | 1850 | 210g |
| SS-3125-10 | M10 | 12 | 9  | 25 | 212 | 125 | 750 | 3000 | 372g |
| SS-3125-12 | M12 | 14 | 12 | 25 | 252 | 150 | 938 | 3750 | 576g |

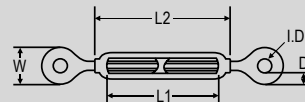
Use miniature parts for balustrading in limited spaces



## RIGGING SCREWS / TURNBUCKLES

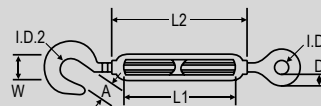
### TURNBUCKLE OPEN BODY - EYE TO EYE W/LOCK NUTS AISI 316

| Code       | T   | D   | I.D | L-MIN | L-MAX | L1  | L2  | W  | BL    | Wgt   |
|------------|-----|-----|-----|-------|-------|-----|-----|----|-------|-------|
| SS-311E-04 | M4  | 4   | 8   | 103   | 140   | 60  | 89  | 10 | 475   | 22g   |
| SS-311E-05 | M5  | 4.3 | 10  | 130   | 170   | 73  | 110 | 14 | 680   | 46g   |
| SS-311E-06 | M6  | 6   | 12  | 155   | 210   | 90  | 135 | 19 | 1500  | 88g   |
| SS-311E-08 | M8  | 8   | 14  | 210   | 295   | 120 | 182 | 21 | 2300  | 183g  |
| SS-311E-10 | M10 | 9   | 18  | 255   | 350   | 150 | 225 | 24 | 3100  | 330g  |
| SS-311E-12 | M12 | 11  | 20  | 315   | 470   | 200 | 280 | 30 | 4400  | 600g  |
| SS-311E-16 | M16 | 15  | 22  | 415   | 590   | 250 | 365 | 38 | 8100  | 1189g |
| SS-311E-20 | M20 | 19  | 30  | 500   | 710   | 300 | 440 | 60 | 11000 | 2257g |



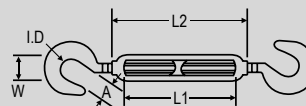
### TURNBUCKLE OPEN BODY - EYE TO HOOK W/LOCK NUTS AISI 316

| Code        | T   | A  | D  | I.D  | I.D.2 | L-MIN | L-MAX | L1  | L2  | W  | BL   | Wgt  |
|-------------|-----|----|----|------|-------|-------|-------|-----|-----|----|------|------|
| SS-311HE-04 | M4  | 6  | 4  | 8    | 7     | 103   | 140   | 60  | 90  | 10 | 10   | 21g  |
| SS-311HE-05 | M5  | 7  | 5  | 10   | 8     | 120   | 160   | 70  | 110 | 14 | 130  | 45g  |
| SS-311HE-06 | M6  | 9  | 6  | 12   | 10    | 155   | 220   | 90  | 143 | 19 | 350  | 87g  |
| SS-311HE-08 | M8  | 9  | 8  | 13.5 | 12    | 210   | 295   | 120 | 185 | 21 | 650  | 177g |
| SS-311HE-10 | M10 | 13 | 9  | 17   | 15    | 255   | 360   | 150 | 230 | 24 | 800  | 320g |
| SS-311HE-12 | M12 | 14 | 11 | 20   | 18    | 325   | 470   | 200 | 285 | 30 | 1400 | 587g |



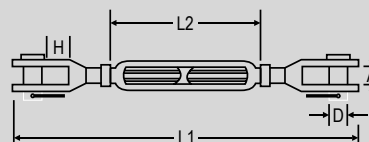
### TURNBUCKLE OPEN BODY - HOOK TO HOOK W/LOCK NUTS AISI 316

| Code       | T   | A  | I.D | L-MIN | L-MAX | L1  | L2  | W    | BL   | Wgt  |
|------------|-----|----|-----|-------|-------|-----|-----|------|------|------|
| SS-311H-04 | M4  | 6  | 7   | 103   | 140   | 60  | 90  | 10   | 100  | 20g  |
| SS-311H-05 | M5  | 7  | 8   | 125   | 185   | 70  | 108 | 13.5 | 130  | 44g  |
| SS-311H-06 | M6  | 9  | 10  | 170   | 240   | 90  | 148 | 19   | 350  | 84g  |
| SS-311H-08 | M8  | 10 | 12  | 210   | 290   | 120 | 186 | 21   | 650  | 174g |
| SS-311H-10 | M10 | 13 | 15  | 255   | 350   | 150 | 228 | 24   | 800  | 313g |
| SS-311H-12 | M12 | 15 | 18  | 335   | 460   | 200 | 296 | 30   | 1400 | 578g |



### TURNBUCKLE OPEN BODY JAW + JAW W/LOCK NUTS AISI 316

| Code       | T   | A  | D  | H  | L1  | L2  | RWL  | TDL  | Wgt  |
|------------|-----|----|----|----|-----|-----|------|------|------|
| SS-311J-05 | M5  | 8  | 5  | 9  | 125 | 70  | 188  | 750  | 52g  |
| SS-311J-06 | M6  | 10 | 6  | 10 | 145 | 90  | 350  | 1400 | 96g  |
| SS-311J-08 | M8  | 11 | 8  | 10 | 180 | 120 | 550  | 2200 | 195g |
| SS-311J-10 | M10 | 14 | 10 | 12 | 220 | 150 | 863  | 3450 | 330g |
| SS-311J-12 | M12 | 15 | 12 | 21 | 320 | 198 | 1250 | 5000 | 630g |





### NICKEL PLATED COPPER WIRE ROPE FERRULES (SWAGES) HAND SWAGING - CREASED

- For use with hand swaging stainless steel wire rope
- Not suitable for galvanised wire rope swaging

| Code     | Rope Ø |
|----------|--------|
| CP-110NP | 1.0    |
| CP-115NP | 1.5    |
| CP-120NP | 2.0    |
| CP-125NP | 2.5    |
| CP-130NP | 3.2    |
| CP-140NP | 4.0    |
| CP-150NP | 5.0    |
| CP-160NP | 6.0    |
| CP-180NP | 8.0    |

### NICKEL PLATED COPPER WIRE ROPE FERRULES (SWAGES) HAND SWAGING - CREASED



### ALUMINIUM FERRULES HAND SWAGING - CREASED

- Aluminium sleeves to suit hand swaging of galvanised wire rope
- Not suitable for swaging stainless steel wire rope

| Code    | Rope Ø  |
|---------|---------|
| CP-105A | 1.6     |
| CP-120A | 2.0     |
| CP-125A | 2.5     |
| CP-132A | 3.0/3.2 |
| CP-135A | 3.5     |
| CP-140A | 4.0     |
| CP-150A | 5.0     |
| CP-160A | 6.0     |
| CP-180A | 8.0     |

### ALUMINIUM HAND SWAGES - CREASED



### ALUMINIUM FERRULES MACHINE SWAGING DIN3093

- Aluminium sleeves to suit hydraulic swaging of galvanised wire rope
- Not suitable for swaging stainless steel wire rope

| Code   | Fibre Rope Ø | Steel Rope Ø |
|--------|--------------|--------------|
| GTA01  | 0.9 - 1.1    | 0.5 - 1.0    |
| GTA015 | 1.2 - 1.6    | 1.1 - 1.4    |
| GTA02  | 1.7 - 2.1    | 1.5 - 1.9    |
| GTA025 | 2.2 - 2.6    | 2.0 - 2.4    |
| GTA03  | 2.7 - 3.2    | 2.5 - 2.9    |
| GTA035 | 3.3 - 3.7    | 3.0 - 3.4    |
| GTA04  | 3.8 - 4.2    | 3.5 - 3.8    |
| GTA045 | 4.3 - 4.7    | 3.9 - 4.3    |
| GTA05  | 4.8 - 5.3    | 4.4 - 4.8    |
| GTA06  | 5.4 - 6.3    | 4.9 - 5.8    |
| GTA065 | 6.4 - 6.8    | 5.9 - 6.2    |
| GTA07  | 6.9 - 7.4    | 6.3 - 6.7    |
| GTA08  | 7.5 - 8.4    | 6.8 - 7.7    |
| GTA09  | 8.5 - 9.5    | 7.8 - 8.6    |
| GTA10  | 9.6 - 10.5   | 8.7 - 9.6    |
| GTA11  | 10.6 - 11.6  | 9.7 - 10.5   |
| GTA12  | 11.7 - 12.6  | 10.6 - 11.5  |
| GTA13  | 12.7 - 13.7  | 11.6 - 12.5  |
| GTA14  | 13.8 - 14.7  | 12.6 - 13.4  |
| GTA16  | 14.8 - 16.8  | 13.5 - 15.3  |
| GTA18  | 16.9 - 18.9  | 15.4 - 17.3  |
| GTA20  | 19.0 - 21.0  | 17.4 - 19.2  |
| GTA22  | 21.1 - 23.1  | 19.3 - 21.1  |

- larger sizes available by request for machine swages

### ALUMINIUM MACHINE SWAGES



### ALUMINIUM ROUND FERRULE

### ALUMINIUM ROUND FERRULES

- Aluminium sleeves to suit hydraulic swaging of galvanised wire rope
- Not suitable for swaging stainless steel wire rope

| Code   | Fibre Rope Ø | Steel Rope Ø |
|--------|--------------|--------------|
| GTR03A | 2.7 - 3.1    | 2.5 - 2.8    |
| GTR04A | 3.7 - 4.1    | 3.4 - 3.8    |
| GTR05A | 4.7 - 5.1    | 4.3 - 4.7    |
| GTR06A | 5.2 - 6.1    | 4.8 - 5.6    |
| GTR08A | 7.2 - 8.2    | 6.7 - 7.5    |
| GTR10A | 9.1 - 10.1   | 8.3 - 9.2    |
| GTR12A | 11.3 - 12.3  | 10.3 - 11.2  |
| GTR13A | 12.4 - 13.4  | 11.3 - 12.2  |
| GTR14A | 13.5 - 14.5  | 12.3 - 13.2  |
| GTR16A | 14.6 - 16.1  | 13.3 - 14.7  |
| GTR18A | 16.2 - 18.2  | 14.8 - 16.6  |



### COPPER HAND SWAGES - CREASED

### COPPER FERRULES HAND SWAGING - CREASED

- Copper finish for use with hand swaging of stainless steel wire rope
- Not suitable for galvanised wire rope swaging

| Code   | Rope Ø |
|--------|--------|
| CP-105 | 1.5    |
| CP-120 | 2.0    |
| CP-125 | 2.5    |
| CP-130 | 3.2    |
| CP-140 | 4.0    |
| CP-150 | 5.0    |
| CP-160 | 6.0    |
| CP-180 | 8.0    |



- larger sizes available by request for machine swages

### COPPER MACHINE SWAGES

### COPPER FERRULES MACHINE SWAGING DIN3093

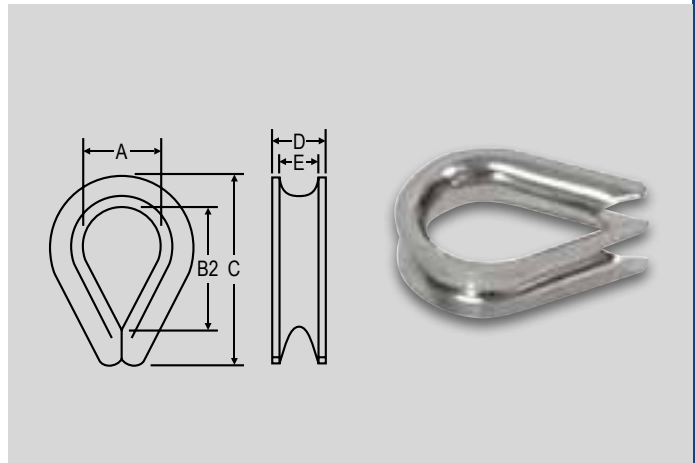
- Copper finish for use with hydraulic swaging of stainless steel wire rope
- Not suitable for galvanised wire rope swaging

| Code   | Fibre Rope Ø | Steel Rope Ø |
|--------|--------------|--------------|
| GTC02  | 1.5 - 2.0    | 1.5 - 1.9    |
| GTC025 | 2.1 - 2.5    | 2.0 - 2.4    |
| GTC03  | 2.7 - 3.1    | 2.5 - 2.8    |
| GTC035 | 3.2 - 3.6    | 2.9 - 3.3    |
| GTC04  | 3.7 - 4.1    | 3.4 - 3.8    |
| GTC045 | 4.2 - 4.6    | 3.9 - 4.2    |
| GTC05  | 4.7 - 5.1    | 4.3 - 4.7    |
| GTC06  | 5.2 - 6.1    | 4.8 - 5.6    |
| GTC065 | 6.2 - 6.6    | 5.7 - 6.1    |
| GTC07  | 6.7 - 7.1    | 6.2 - 6.6    |
| GTC08  | 7.2 - 8.2    | 6.7 - 7.5    |
| GTC09  | 8.3 - 9.0    | 7.6 - 8.2    |
| GTC10  | 9.1 - 10.1   | 8.3 - 9.2    |
| GTC11  | 10.2 - 11.2  | 9.3 - 10.2   |
| GTC12  | 11.3 - 12.3  | 10.3 - 11.2  |
| GTC13  | 12.4 - 13.4  | 11.3 - 12.2  |
| GTC14  | 13.5 - 14.5  | 12.3 - 13.2  |
| GTC16  | 14.6 - 16.1  | 13.3 - 14.7  |
| GTC18  | 16.2 - 18.2  | 14.8 - 16.6  |
| GTC20  | 18.3 - 20.2  | 16.7 - 18.4  |
| GTC22  | 20.3 - 22.4  | 18.4 - 20.4  |

## THIMBLES / SADDLES

### WIRE ROPE THIMBLE AISI 304

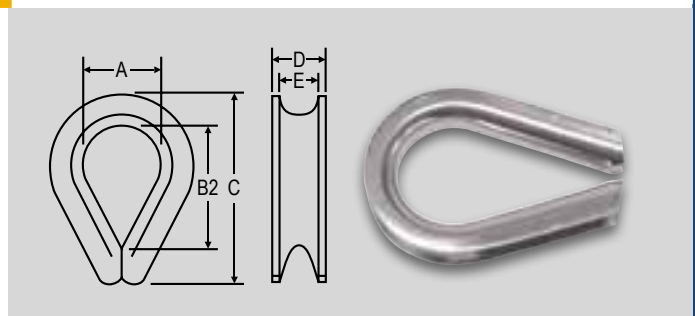
| Code      | Rope Ø | A  | B2 | C  | D    | E    |
|-----------|--------|----|----|----|------|------|
| SS-234-02 | 2.0    | 7  | 12 | 21 | 5.0  | 3.2  |
| SS-234-03 | 3.2    | 9  | 14 | 23 | 6.0  | 4.0  |
| SS-234-04 | 4.0    | 11 | 16 | 27 | 7.0  | 5.0  |
| SS-234-05 | 5.0    | 14 | 21 | 32 | 8.0  | 6.0  |
| SS-234-06 | 6.0    | 16 | 26 | 39 | 9.5  | 7.0  |
| SS-234-08 | 8.0    | 21 | 35 | 50 | 12.0 | 9.0  |
| SS-234-10 | 10.0   | 26 | 42 | 59 | 14.0 | 11.0 |
| SS-234-12 | 12.0   | 31 | 48 | 70 | 17.5 | 14.0 |
| SS-234-14 | 14.0   | 34 | 55 | 76 | 20.0 | 16.0 |
| SS-234-16 | 16.0   | 39 | 63 | 85 | 21.0 | 17.0 |



### WIRE ROPE THIMBLE HEAVY DUTY AISI 316

• Other sizes available on request

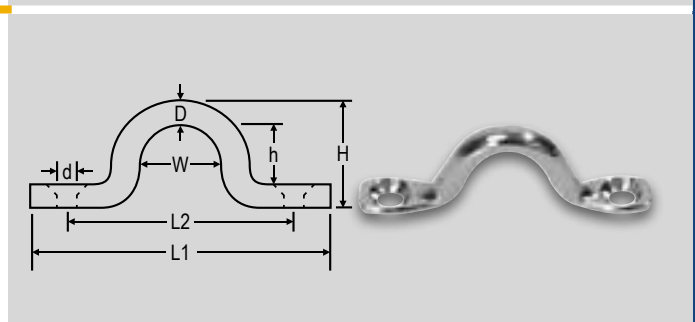
| Code      | Rope Ø | A    | B2 | C    | D    | E    |
|-----------|--------|------|----|------|------|------|
| SS-414-06 | 6.0    | 22.0 | 42 | 54.5 | 10.0 | 6.0  |
| SS-414-08 | 8.0    | 26.5 | 42 | 62.5 | 11.0 | 7.0  |
| SS-414-10 | 10.0   | 28.0 | 45 | 72.0 | 15.0 | 10.0 |
| SS-414-12 | 12.0   | 37.5 | 52 | 84.0 | 20.0 | 12.0 |



### SADDLE (EYE STRAP) AISI 304

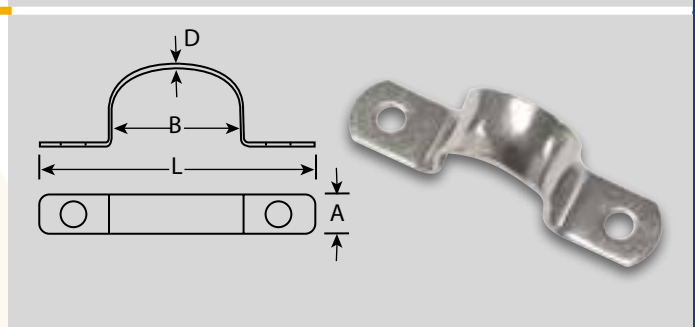
\*AISI 316

| Code       | D | d   | H  | h  | L1 | L2 | W  | Wgt |
|------------|---|-----|----|----|----|----|----|-----|
| SS-322-04  | 4 | 3.2 | 16 | 11 | 40 | 32 | 17 | 4g  |
| SS-322-05* | 5 | 4.2 | 16 | 13 | 51 | 40 | 17 | 8g  |
| SS-322-06  | 6 | 5.2 | 22 | 16 | 57 | 44 | 24 | 14g |
| SS-322-08  | 8 | 5.2 | 25 | 17 | 63 | 47 | 25 | 27g |

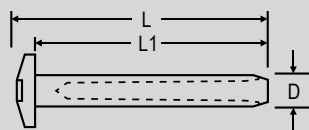


### SADDLE FLAT SHEET TWO HOLE AISI 316

| Code      | A  | B  | D   | L  | Wgt |
|-----------|----|----|-----|----|-----|
| SS-324-10 | 11 | 10 | 1.2 | 42 | 4g  |
| SS-324-13 | 11 | 13 | 1.2 | 45 | 5g  |



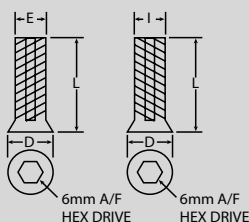
The perfect addition to  
compliment modern housing  
and commercial projects



### ALLEN KEY HEAD TENSIONER AISI 316

- Suitable for use with threaded terminals (see pg19) in either stairway or horizontal balustrading applications
- Internal thread
- Use with bevelled washers to complete a staircase

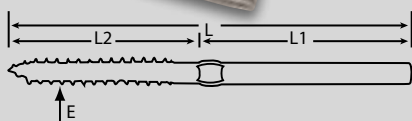
| Code   | Thread | D | L  | L1 | Wgt |
|--------|--------|---|----|----|-----|
| HTEN-6 | M6     | 8 | 42 | 40 | 8g  |



### THREADED TIMBER INSERTS

- Use in conjunction with M6 Threaded Terminals (see page 19)

| Code        | Internal |        |    | External  |        |                | Wgt |
|-------------|----------|--------|----|-----------|--------|----------------|-----|
|             | Thread   | D      | L  | Hex Drive | Thread | Drill size (I) |     |
| SS-3310-06L | M6 - LHT | 12.5mm | 30 | 6mm AF    | 10.4   | 8              | 9   |
| SS-3310-06R | M6 - RHT | 12.5mm | 30 | 6mm AF    | 10.4   | 8              | 9   |



### LAG SCREW / SWAGE TERMINAL AISI 316

- Sleek, easy to use and economical balustrade terminals
- When ordering, each length must have a L/Hand & R/Hand terminal
- Not suitable for long lengths

| Code        | Wire Ø | E     | L  | L1 | L2 | Wgt |
|-------------|--------|-------|----|----|----|-----|
| SS-7831L-63 | 3.2    | 6/LHT | 90 | 48 | 42 | 15g |
| SS-7831R-63 | 3.2    | 6/RHT | 90 | 48 | 42 | 15g |

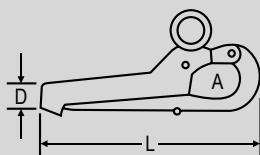


Use with Lag Screw / Swage Terminal for easy installation

### C SPANNER FOR M6 TERMINALS (Z/P STEEL)

- Easy to use tool for tightening M6 terminals
- Suited to SS-7831L/R and LS-M6

| Code         | Length | Wgt |
|--------------|--------|-----|
| CSPAN-LST-M6 | 70.5   | 32g |



### PELICAN HOOK AISI 316

- Use with threaded terminal range (see page 19)

| Code       | A    | D  | L   | Wgt  |
|------------|------|----|-----|------|
| SS-2831-06 | 12.5 | M6 | 76  | 70g  |
| SS-2831-08 | 15.5 | M8 | 101 | 136g |

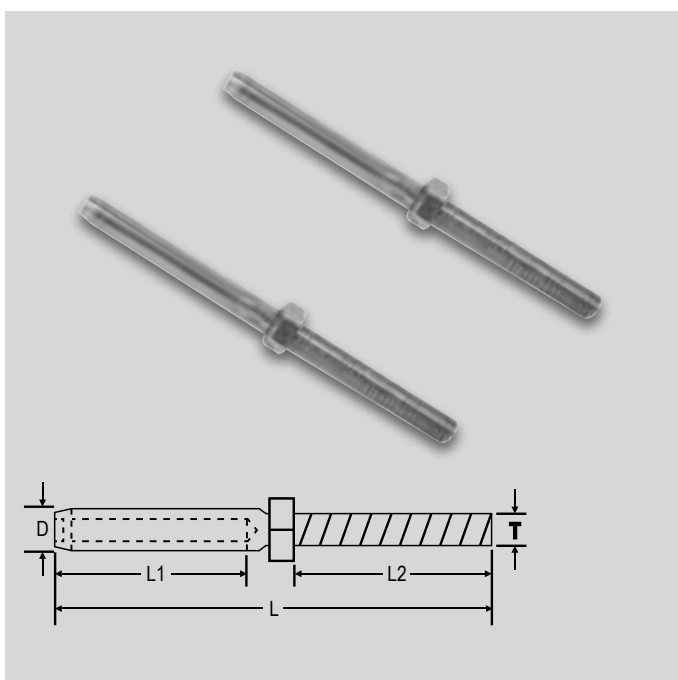
Combine balustrading with handrail systems for stunning indoor and outdoor settings

## SWAGE TERMINALS

### THREADED TERMINAL SWAGE STUD W/LOCK NUT AISI 316

\*Also available in left hand thread

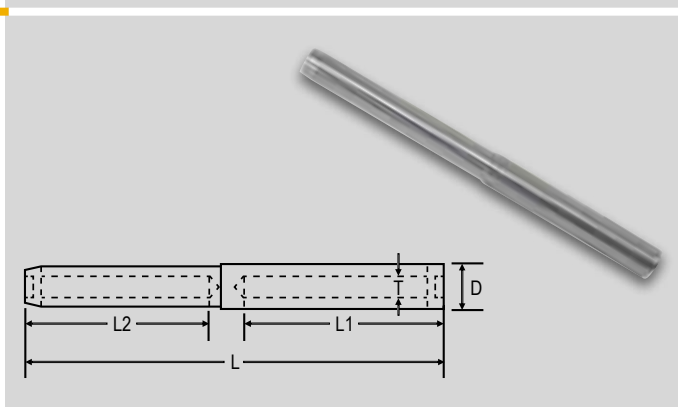
| Code           | Rope Ø | T        | D    | L   | L1  | L2  | Wgt  |
|----------------|--------|----------|------|-----|-----|-----|------|
| SS-7801-0255   | 2.5    | M5       | 6    | 72  | 40  | 22  | 10g  |
| SS-7801-0256   | 2.5    | M6       | 6    | 100 | 38  | 46  | 22g  |
| SS-7801-035*   | 3.2    | M5       | 6    | 90  | 42  | 39  | 14g  |
| SS-7801-036*   | 3.2    | M6       | 6    | 100 | 48  | 39  | 18g  |
| SS-7801-03630L | 3.2    | M6 - LHT | 6    | 69  | 24  | 25  | 15g  |
| SS-7801-03630R | 3.2    | M6 - RHT | 6    | 69  | 24  | 25  | 15g  |
| SS-7801-03ML   | 3.2    | M6       | 6    | 118 | 40  | 75  | 23g  |
| SS-7801-046*   | 4.0    | M6       | 7.5  | 100 | 48  | 39  | 26g  |
| SS-7801-058*   | 5.0    | M8       | 9    | 117 | 57  | 45  | 34g  |
| SS-7801-0510   | 5.0    | M10      | 9    | 170 | 56  | 104 | 90g  |
| SS-7801-0612   | 6.0    | M12      | 12.5 | 162 | 80  | 64  | 110g |
| SS-7801-0612-2 | 6.0    | M12      | 13   | 235 | 63  | 135 | 186g |
| SS-7801-0812   | 8.0    | M12      | 14   | 165 | 64  | 71  | 178g |
| SS-7801-0816   | 8.0    | M16      | 16   | 225 | 90  | 92  | 292g |
| SS-7801-1020   | 10.0   | M20      | 20.5 | 215 | 91  | 106 | 630g |
| SS-7801-1220   | 12.0   | M20      | 20.5 | 245 | 106 | 118 | 319g |



### INTERNAL THREADED TERMINAL SWAGE STUD AISI 316

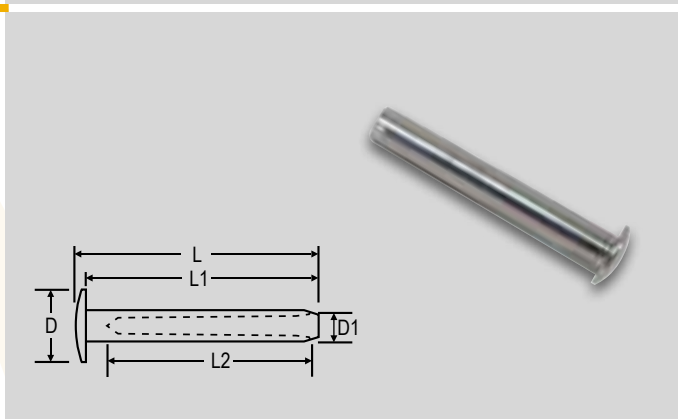
• Refer to fasteners section for cap screw sizes (see page 76)

| Code       | Rope Ø | D   | L  | L1 | L2 | T  | Wgt |
|------------|--------|-----|----|----|----|----|-----|
| SS-7811-53 | 3.2    | 7.5 | 90 | 45 | 45 | M5 | 18g |
| SS-7811-64 | 4.0    | 8.0 | 84 | 28 | 47 | M6 | 22g |



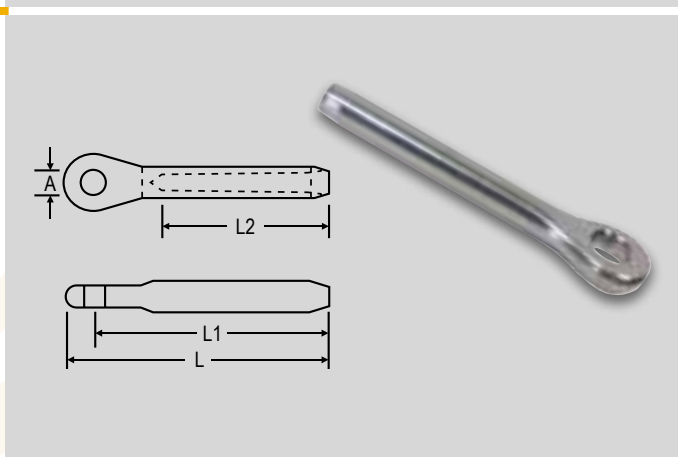
### BUTTON HEAD TERMINAL SWAGE AISI 316

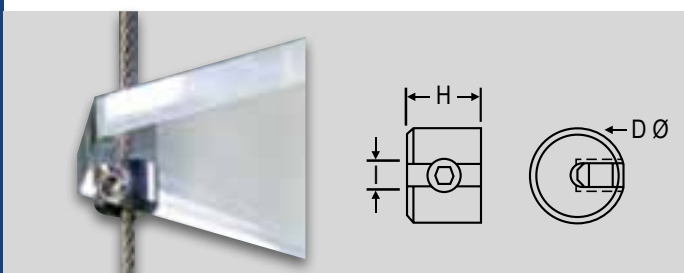
| Code        | Rope Ø | D    | D1 | L  | L1 | L2 | RWL | TDL  | Wgt |
|-------------|--------|------|----|----|----|----|-----|------|-----|
| SS-7804-032 | 3.2    | 9.5  | 6  | 38 | 35 | 28 | 250 | 1000 | 6g  |
| SS-7804-04  | 4.0    | 12.5 | 7  | 54 | 50 | 44 | 475 | 1900 | 14g |



### EYE TERMINAL SWAGE AISI 316

| Code        | Rope Ø | A    | L   | L1  | L2 | RWL  | TDL  | Wgt  |
|-------------|--------|------|-----|-----|----|------|------|------|
| SS-7802-025 | 2.5    | 6.0  | 55  | 49  | 32 | 213  | 850  | 8g   |
| SS-7802-032 | 3.2    | 6.5  | 62  | 55  | 40 | 250  | 1000 | 12g  |
| SS-7802-04  | 4.0    | 8.0  | 77  | 61  | 45 | 338  | 1350 | 20g  |
| SS-7802-05  | 5.0    | 10.0 | 87  | 76  | 51 | 625  | 2500 | 37g  |
| SS-7802-06  | 6.0    | 12.5 | 106 | 90  | 64 | 1125 | 4500 | 95g  |
| SS-7802-08  | 8.0    | 14.5 | 133 | 118 | 83 | 1675 | 6700 | 169g |

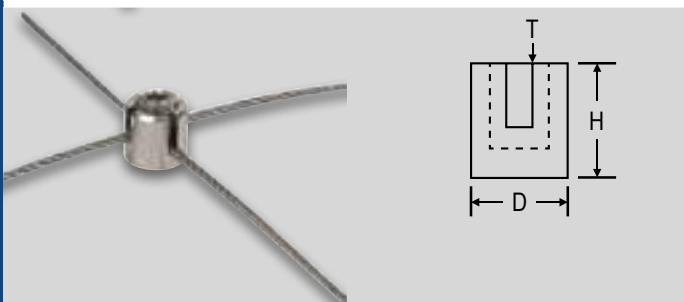




### WIRE ROPE SHELF SUPPORT CLIPS AISI 316

- Clips to help create elaborate wire rope shelving

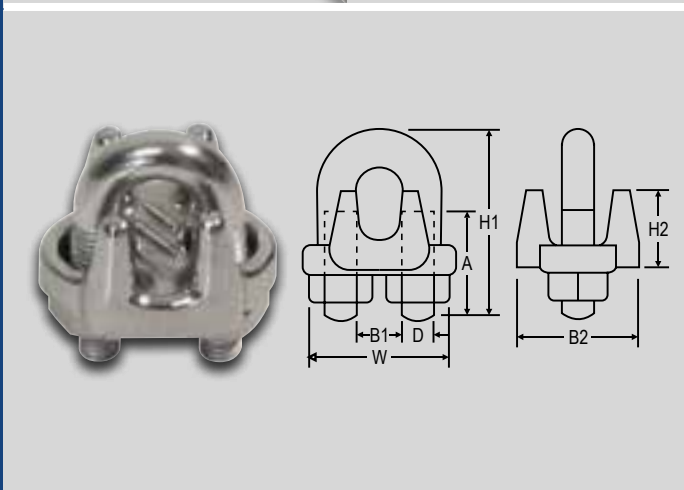
| Code       | Wire Rope Ø | D    | H    | I   | Wgt |
|------------|-------------|------|------|-----|-----|
| SS-SHST-02 | 0.6 - 2.5   | 10.0 | 8.0  | 2.5 | 4g  |
| SS-SHST-04 | 2.5 - 4.0   | 15.0 | 11.5 | 4.6 | 13g |



### CROSS CONNECTOR 90 DEG. AISI 304

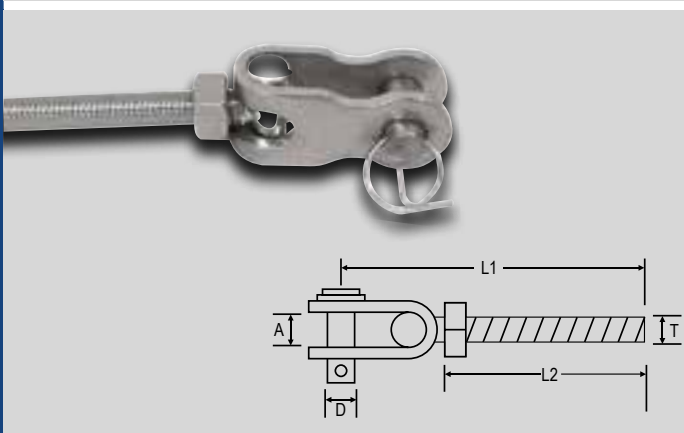
- 90° clamp for drop wires and trellis work
- To be fitted after balustrading has been erected

| Code       | Rope Ø    | D  | H  | T   | Wgt |
|------------|-----------|----|----|-----|-----|
| SS-266-032 | 3.2 & 4.0 | 20 | 19 | M12 | 27g |



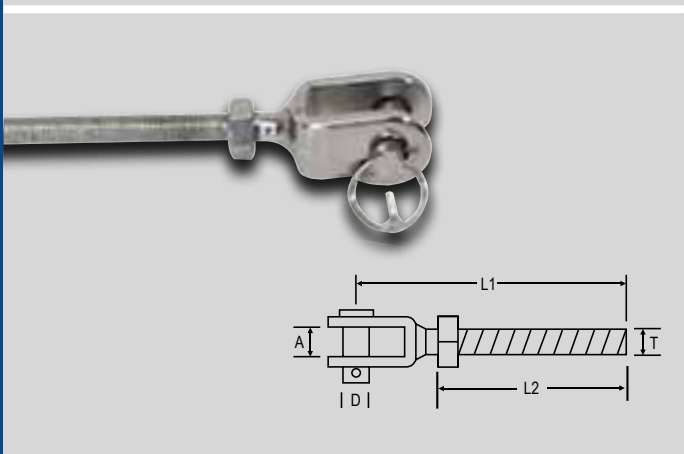
### WIRE ROPE GRIP AISI 316

| Code      | Rope | D   | A  | B1  | B2 | H1  | H2 | TDL   | Wgt  |
|-----------|------|-----|----|-----|----|-----|----|-------|------|
| SS-260-02 | 2.0  | M3  | 12 | 4   | 14 | 18  | 10 | 400   | 9g   |
| SS-260-03 | 3.2  | M3  | 14 | 5.5 | 16 | 22  | 11 | 500   | 9g   |
| SS-260-04 | 4.0  | M4  | 16 | 6   | 18 | 23  | 13 | 750   | 17g  |
| SS-260-05 | 5.0  | M5  | 19 | 7   | 21 | 27  | 15 | 1400  | 23g  |
| SS-260-06 | 6.0  | M5  | 22 | 9   | 22 | 32  | 17 | 2450  | 38g  |
| SS-260-08 | 8.0  | M8  | 27 | 11  | 28 | 40  | 20 | 4150  | 82g  |
| SS-260-10 | 10.0 | M10 | 32 | 12  | 35 | 50  | 24 | 7500  | 146g |
| SS-260-12 | 12.0 | M12 | 37 | 15  | 38 | 62  | 28 | 9000  | 236g |
| SS-260-14 | 14.0 | M13 | 40 | 18  | 44 | 65  | 31 | 9000  | 280g |
| SS-260-16 | 16.0 | M13 | 47 | 20  | 47 | 78  | 34 | 11500 | 402g |
| SS-260-19 | 19.0 | M13 | 51 | 22  | 53 | 82  | 39 | 11500 | 474g |
| SS-260-25 | 25.0 | M16 | 65 | 28  | 62 | 105 | 53 |       |      |



### FORK TERMINAL TOGGLE SCREW W/LOCK NUT AISI 316

| Code        | T   | A    | D  | L1  | L2  | RWL  | TDL  | Wgt  |
|-------------|-----|------|----|-----|-----|------|------|------|
| SS-78051-06 | M6  | 9.5  | 6  | 83  | 46  | 250  | 1000 | 36g  |
| SS-78051-08 | M8  | 10.5 | 8  | 94  | 58  | 550  | 2200 | 76g  |
| SS-78051-12 | M12 | 13.0 | 12 | 225 | 225 | 1250 | 5000 | 322g |
| SS-78051-16 | M16 | 16.5 | 16 | 285 | 225 | 2000 | 8000 | 661g |



### FORK TERMINAL SCREW W/LOCK NUT AISI 316

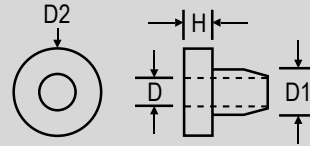
\*Available in L/H Thread also

| Code         | T   | A  | D  | L1  | L2 | RWL  | TDL  | Wgt  |
|--------------|-----|----|----|-----|----|------|------|------|
| SS-78031-05* | M5  | 8  | 5  | 65  | 43 | 188  | 750  | 16g  |
| SS-78031-06* | M6  | 10 | 6  | 73  | 48 | 250  | 1000 | 28g  |
| SS-78031-08* | M8  | 10 | 8  | 84  | 59 | 550  | 2200 | 56g  |
| SS-78031-10* | M10 | 12 | 10 | 102 | 64 | 750  | 3000 | 98g  |
| SS-78031-12* | M12 | 14 | 12 | 117 | 82 | 1250 | 5000 | 172g |

**NYLON GROMMET SPLIT TYPE**

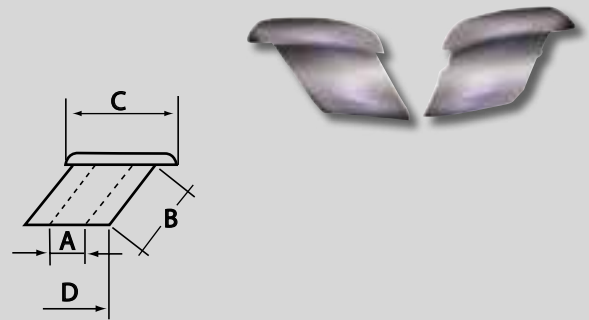
- Nylon bush for protecting wire from cutting on sharp objects, push-fit into posts
- Install after balustrading is installed

| Code     | D   | D1  | D2   | H   | Colour | Drill Hole Ø | Wire Rope Ø |
|----------|-----|-----|------|-----|--------|--------------|-------------|
| 106874FB | 6.5 | 9.0 | 12.5 | 2.5 | Black  | 11/32"       | 3.2 - 5.0   |
| 106874FS | 6.5 | 9.0 | 12.5 | 2.5 | Silver | 11/32"       | 3.2 - 5.0   |
| 106874FC | 6.5 | 9.0 | 12.5 | 2.5 | Clear  | 11/32"       | 3.2 - 5.0   |

**NYLON GROMMET SPLIT TYPE - ANGLE**

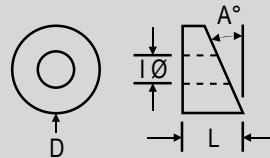
- 37° angled grommet for use in stairs

| Code     | A   | B | C  | D | Colour | Drill Hole Ø | Wire Rope Ø |
|----------|-----|---|----|---|--------|--------------|-------------|
| 104090AW | 4.2 | 8 | 15 | 9 | White  | 11/32"       | 3.2 - 4.0   |
| 104090AG | 4.2 | 8 | 15 | 9 | Grey   | 11/32"       | 3.2 - 4.0   |
| 104090AB | 4.2 | 8 | 15 | 9 | Black  | 11/32"       | 3.2 - 4.0   |

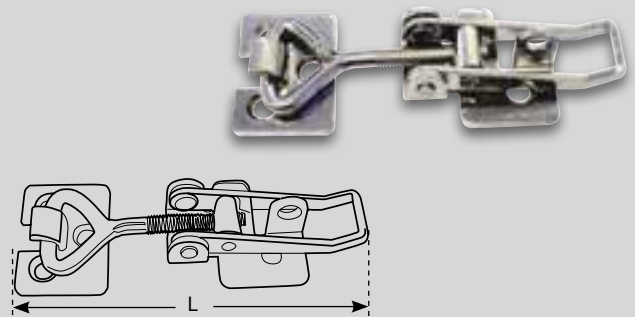
**BEVELLED WASHER CHROME PLATED BRASS**

- 35° angled washer for use with swage fittings and tensioners (stairway + balustrading)

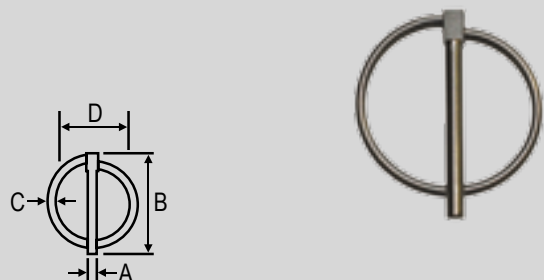
| Code       | A   | D  | I   | L  | Wgt |
|------------|-----|----|-----|----|-----|
| SS-5351-06 | 35° | 11 | 6.3 | 10 | 3g  |
| SS-5351-08 | 35° | 11 | 8.3 | 10 | 2g  |

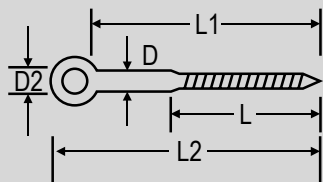
**TOGGLE LATCH AISI 304**

| Code        | L   | Wgt |
|-------------|-----|-----|
| SS-TL-SMALL | 100 | 66g |
| SS-TL-LARGE | 135 | 93g |

**LYNCH PINS**

| Code        | L   | A   | B    | C   | D    | Wgt |
|-------------|-----|-----|------|-----|------|-----|
| SS-LINCH-04 | 4MM | 4.2 | 47.8 | 2.5 | 37.5 | 10  |
| SS-LINCH-06 | 6MM | 6   | 56.5 | 3   | 40.5 | 22  |
| SS-LINCH-08 | 8MM | 7.4 | 56.5 | 3   | 42   | 30  |



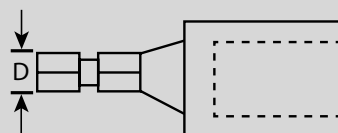


### LAG EYE SCREW AISI 316 (TIMBER THREAD) AISI 316

| Code          | D  | D2   | L  | L1  | L2  | Wgt |
|---------------|----|------|----|-----|-----|-----|
| SS-3182-0445  | 4  | 4.2  | 30 | 45  | 51  | 4g  |
| SS-3182-0660  | 6  | 6.3  | 32 | 55  | 65  | 11g |
| SS-3182-0860  | 8  | 8.4  | 40 | 60  | 70  | 22g |
| SS-3182-1080  | 10 | 10.5 | 55 | 80  | 100 | 53g |
| SS-3182-12100 | 12 | 12.5 | 65 | 105 | 123 | 94g |



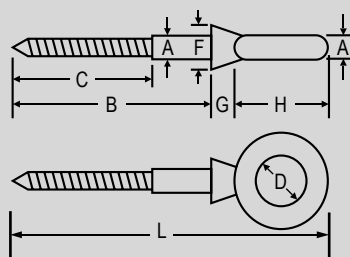
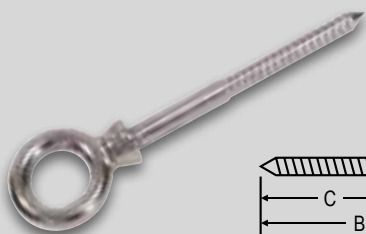
Time Saving Investment



### SOCKET DRIVE FOR LAG SCREWS

- Insert in drill for fast installation of lag screws

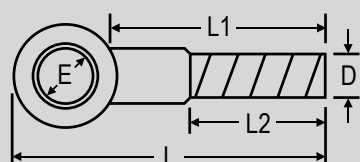
| Code  | D       | Suit Lag Screw | Wgt |
|-------|---------|----------------|-----|
| SD-M6 | 6.5 A/F | SS-3182-0660   | 15g |
| SD-M8 | 9.0 A/F | SS-3182-0860   | 50g |



### COACH SCREW W/EYE NUT AISI 316

- Stainless steel cast one piece anchoring eye
- Suitable for use in timber posts for fixing shade sails

| Code          | A    | B   | C  | D    | F    | G    | H  | L   | Wgt  |
|---------------|------|-----|----|------|------|------|----|-----|------|
| SS-3291-0550  | 5.0  | 50  | 28 | 11.5 | 10   | 6    | 21 | 77  | 16g  |
| SS-3291-0660  | 6.0  | 60  | 35 | 14.5 | 11.5 | 7    | 25 | 91  | 28g  |
| SS-3291-0880  | 8.0  | 80  | 48 | 18   | 16   | 8    | 34 | 121 | 64g  |
| SS-3291-1080  | 10.0 | 80  | 40 | 22   | 19.5 | 10.5 | 39 | 130 | 102g |
| SS-3291-12100 | 12.0 | 100 | 72 | 27   | 23   | 12   | 51 | 162 | 220g |



### EYE SCREW (METAL THREAD) AISI 316

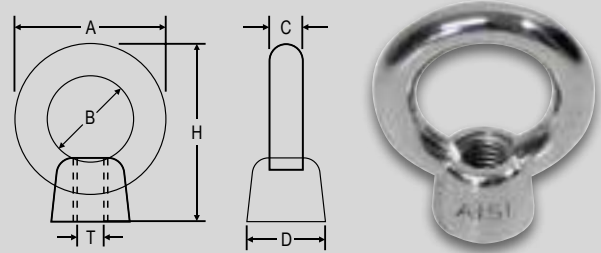
- A high quality threaded eye suitable for fixing to steel posts
- Fully threaded shank for hard fixing to posts
- Use with rivet nut (page 76) for post fixing
- Other sizes available on request

| Code         | D   | L   | L1  | L2  | E    | Wgt |
|--------------|-----|-----|-----|-----|------|-----|
| SS-444-610   | M6  | 26  | 10  | 10  | 6.1  | 8g  |
| SS-444-615   | M6  | 33  | 23  | 16  | 6.2  | 8g  |
| SS-444-630   | M6  | 43  | 32  | 27  | 6.2  | 9g  |
| SS-444-660   | M6  | 78  | 67  | 50  | 6.2  | 16g |
| SS-444-880   | M8  | 90  | 75  | 70  | 8.4  | 32g |
| SS-444-10110 | M10 | 119 | 110 | 100 | 10.1 | 68g |
| SS-444-1250  | M12 | 63  | 40  | 25  | 12.3 | 60g |

## EYE BOLTS / EYE NUTS

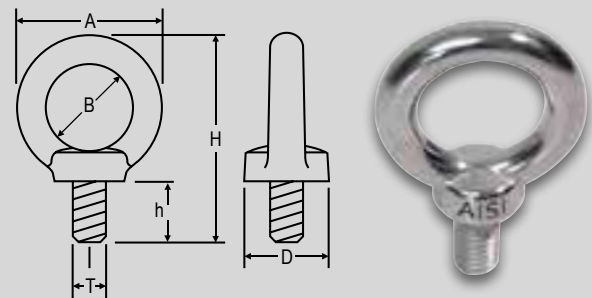
### EYE NUT AISI 316

| Code       | T   | A    | B  | C    | D  | H    | RWL  | TDL   | Wgt  |
|------------|-----|------|----|------|----|------|------|-------|------|
| SS-3061-06 | M6  | 26.0 | 16 | 5.0  | 13 | 28.3 | 275  | 1100  | 14g  |
| SS-3061-08 | M8  | 32.6 | 20 | 6.3  | 16 | 33.3 | 325  | 1300  | 32g  |
| SS-3061-10 | M10 | 41.0 | 25 | 8.0  | 20 | 41.5 | 650  | 2600  | 54g  |
| SS-3061-12 | M12 | 50.0 | 30 | 10.0 | 25 | 51.0 | 850  | 3400  | 109g |
| SS-3061-16 | M16 | 60.0 | 35 | 12.5 | 30 | 60.0 | 2000 | 8000  | 229g |
| SS-3061-20 | M20 | 72.0 | 40 | 16.0 | 35 | 71.0 | 2625 | 10500 | 333g |
| SS-3061-24 | M24 | 90.0 | 50 | 20.0 | 45 | 90.0 | 3000 | 12000 | 688g |



### EYE BOLT WITH COLLAR AISI 316

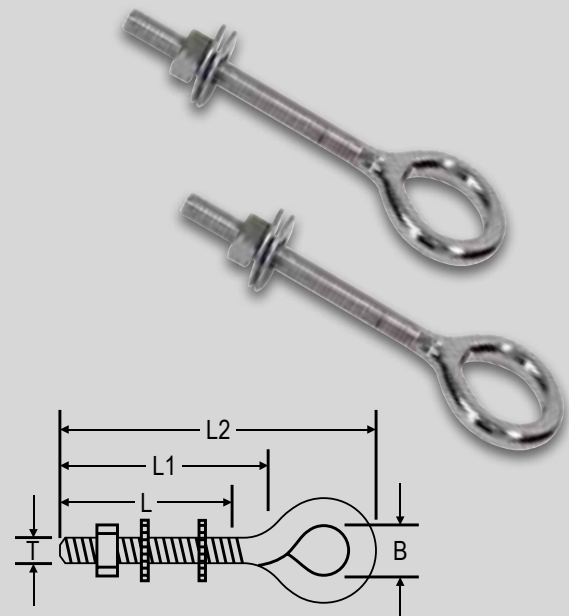
| Code      | T   | A  | B  | D  | H   | h  | RWL  | TDL   | Wgt  |
|-----------|-----|----|----|----|-----|----|------|-------|------|
| SS-580-06 | M6  | 26 | 16 | 13 | 41  | 15 | 275  | 1100  | 15g  |
| SS-580-08 | M8  | 32 | 20 | 16 | 50  | 15 | 450  | 1800  | 29g  |
| SS-580-10 | M10 | 40 | 25 | 20 | 63  | 21 | 675  | 2600  | 60g  |
| SS-580-12 | M12 | 49 | 30 | 25 | 74  | 23 | 850  | 3400  | 108g |
| SS-580-16 | M16 | 60 | 35 | 30 | 87  | 28 | 2000 | 8000  | 200g |
| SS-580-20 | M20 | 70 | 40 | 35 | 103 | 32 | 2625 | 10500 | 365g |
| SS-580-24 | M24 | 89 | 50 | 50 | 130 | 40 | 3000 | 12000 | 762g |



### EYE BOLT W/NUT & TWO WASHERS AISI 304

• Alternate sizes and lengths available on request

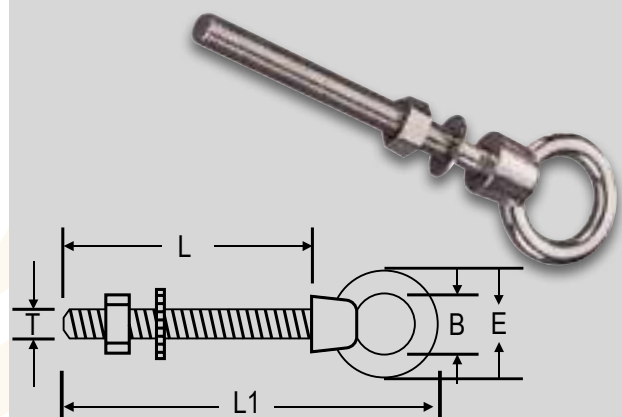
| Code          | T   | B  | L   | L1  | L2  | RWL | TDL  | Wgt  |
|---------------|-----|----|-----|-----|-----|-----|------|------|
| SS-3191-0640  | M6  | 16 | 38  | 40  | 63  | 250 | 1000 | 23g  |
| SS-3191-0660  | M6  | 16 | 60  | 60  | 83  | 250 | 1000 | 27g  |
| SS-3191-0680  | M6  | 16 | 80  | 80  | 104 | 250 | 1000 | 29g  |
| SS-3191-06100 | M6  | 16 | 100 | 103 | 126 | 250 | 1000 | 33g  |
| SS-3191-0860  | M8  | 19 | 60  | 65  | 100 | 450 | 1800 | 53g  |
| SS-3191-0880  | M8  | 19 | 80  | 85  | 117 | 450 | 1800 | 58g  |
| SS-3191-08100 | M8  | 19 | 100 | 106 | 140 | 450 | 1800 | 66g  |
| SS-3191-08130 | M8  | 19 | 130 | 135 | 170 | 450 | 1800 | 72g  |
| SS-3191-1080  | M10 | 24 | 80  | 85  | 126 | 600 | 2400 | 108g |
| SS-3191-10120 | M10 | 24 | 110 | 115 | 148 | 600 | 2400 | 121g |
| SS-3191-10160 | M10 | 24 | 160 | 165 | 208 | 600 | 2400 | 144g |
| SS-3191-12110 | M12 | 20 | 110 | 115 | 156 | 875 | 3500 | 191g |
| SS-3191-12185 | M12 | 25 | 185 | 190 | 231 | 875 | 3500 | 250g |

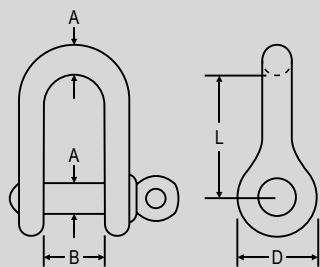


### EYE BOLT W/ COLLAR NUT & WASHER LONG TYPE AISI 316

• Alternate sizes and lengths available on request

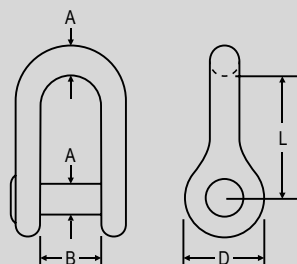
| Code         | T   | B  | E  | L   | L1  | RWL | TDL  | Wgt  |
|--------------|-----|----|----|-----|-----|-----|------|------|
| SS-307-10100 | M10 | 25 | 41 | 100 | 148 | 650 | 2600 | 145g |
| SS-307-10120 | M10 | 25 | 41 | 120 | 168 | 650 | 2600 | 136g |
| SS-307-10160 | M10 | 25 | 41 | 160 | 208 | 650 | 2600 | 156g |
| SS-307-12120 | M12 | 30 | 50 | 120 | 181 | 850 | 3400 | 160g |
| SS-307-12160 | M12 | 30 | 50 | 160 | 220 | 875 | 3500 | 270g |





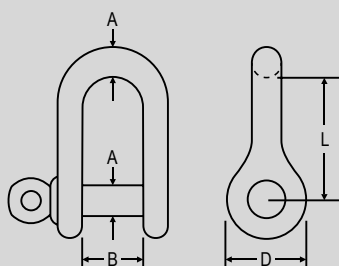
### STANDARD "D" SHACKLE AISI 316

| Code      | A   | B  | D  | L  | RWL  | TDL   | Wgt  |
|-----------|-----|----|----|----|------|-------|------|
| SS-360-04 | M4  | 8  | 8  | 16 | 138  | 550   | 7g   |
| SS-360-05 | M5  | 10 | 10 | 20 | 250  | 1000  | 14g  |
| SS-360-06 | M6  | 12 | 12 | 24 | 425  | 1700  | 24g  |
| SS-360-08 | M8  | 16 | 16 | 32 | 625  | 2500  | 56g  |
| SS-360-10 | M10 | 20 | 20 | 40 | 1025 | 4100  | 110g |
| SS-360-12 | M12 | 24 | 24 | 48 | 1350 | 5400  | 187g |
| SS-360-16 | M16 | 32 | 32 | 64 | 2200 | 8800  | 440g |
| SS-360-19 | M19 | 38 | 38 | 76 | 2500 | 10000 | 716g |



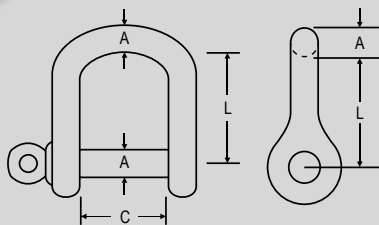
### STANDARD "D" SHACKLE SINK PIN SLOTTED HEAD AISI 316

| Code       | A   | B  | D  | L  | RWL  | TDL  | Wgt  |
|------------|-----|----|----|----|------|------|------|
| SS-360C-04 | M4  | 8  | 8  | 16 | 138  | 550  | 6g   |
| SS-360C-06 | M6  | 12 | 12 | 24 | 425  | 1700 | 22g  |
| SS-360C-08 | M8  | 16 | 16 | 32 | 625  | 2500 | 57g  |
| SS-360C-10 | M10 | 20 | 20 | 40 | 1025 | 4100 | 105g |



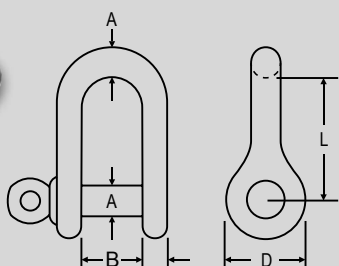
### STANDARD "D" SHACKLE W/CAPTIVE PIN AISI 316

| Code        | A   | B  | D  | L  | RWL  | TDL  | Wgt  |
|-------------|-----|----|----|----|------|------|------|
| SS-360LK-06 | M6  | 12 | 12 | 24 | 425  | 1700 | 24g  |
| SS-360LK-08 | M8  | 16 | 16 | 32 | 625  | 2500 | 56g  |
| SS-360LK-10 | M10 | 20 | 20 | 40 | 1025 | 4100 | 102g |



### SHACKLE WIDE OPENING MOUTH AISI 316

| Code       | A   | C  | L  | RWL  | TDL  | Wgt  |
|------------|-----|----|----|------|------|------|
| SS-360W-08 | M8  | 32 | 48 | 625  | 2500 | 65g  |
| SS-360W-12 | M12 | 48 | 72 | 1000 | 4000 | 255g |



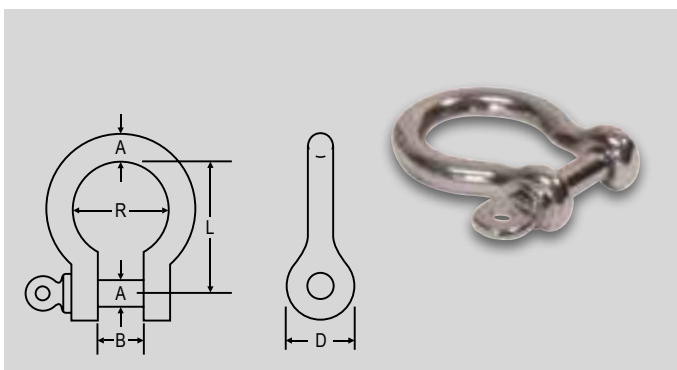
### LONG "D" SHACKLE AISI 316

| Code      | A   | B  | D  | L  | RWL  | TDL  | Wgt  |
|-----------|-----|----|----|----|------|------|------|
| SS-362-06 | M6  | 12 | 12 | 48 | 450  | 1800 | 37g  |
| SS-362-08 | M8  | 16 | 16 | 64 | 688  | 2750 | 83g  |
| SS-362-10 | M10 | 20 | 20 | 80 | 813  | 3250 | 158g |
| SS-362-12 | M12 | 24 | 24 | 96 | 1600 | 6400 | 266g |

# SHACKLES

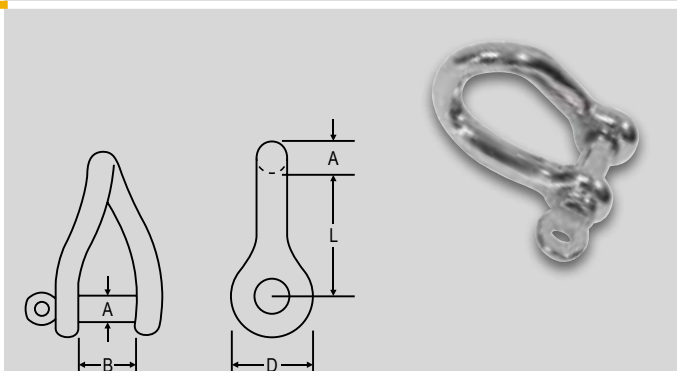
## BOW SHACKLE AISI 316

| Code      | A   | B  | D  | L  | R  | RWL  | TDL   | Wgt   |
|-----------|-----|----|----|----|----|------|-------|-------|
| SS-370-05 | M5  | 10 | 10 | 20 | 17 | 300  | 1200  | 17g   |
| SS-370-06 | M6  | 12 | 12 | 24 | 21 | 425  | 1700  | 28g   |
| SS-370-08 | M8  | 16 | 16 | 32 | 28 | 625  | 2500  | 66g   |
| SS-370-10 | M10 | 20 | 20 | 40 | 34 | 1075 | 4300  | 129g  |
| SS-370-12 | M12 | 24 | 24 | 48 | 42 | 1550 | 6200  | 218g  |
| SS-370-16 | M16 | 32 | 32 | 64 | 56 | 1750 | 7000  | 522g  |
| SS-370-22 | M22 | 44 | 44 | 88 | 77 | 4250 | 17000 | 1314g |



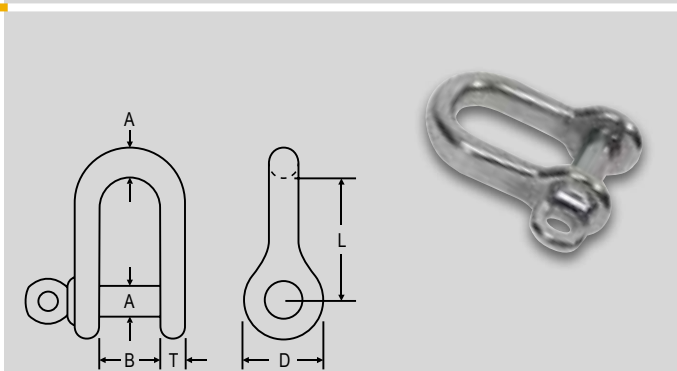
## TWISTED SHACKLE AISI 316

| Code      | A   | B  | D  | L  | RWL  | TDL  | Wgt  |
|-----------|-----|----|----|----|------|------|------|
| SS-380-06 | M6  | 12 | 12 | 24 | 400  | 1600 | 47g  |
| SS-380-08 | M8  | 16 | 16 | 16 | 700  | 2800 | 68g  |
| SS-380-10 | M10 | 20 | 20 | 40 | 1150 | 4600 | 127g |



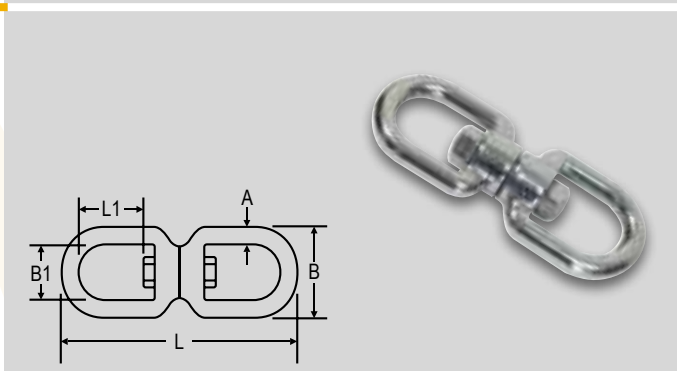
## SEMI ROUND "D" SHACKLE AISI 304

| Code       | A  | B  | D  | L  | T   | RWL | TDL  | Wgt |
|------------|----|----|----|----|-----|-----|------|-----|
| SS-3611-05 | M5 | 12 | 12 | 21 | 2.6 | 238 | 950  | 14g |
| SS-3611-06 | M6 | 14 | 14 | 25 | 3.0 | 375 | 1500 | 22g |
| SS-3611-08 | M8 | 18 | 18 | 32 | 3.8 | 650 | 2600 | 49g |



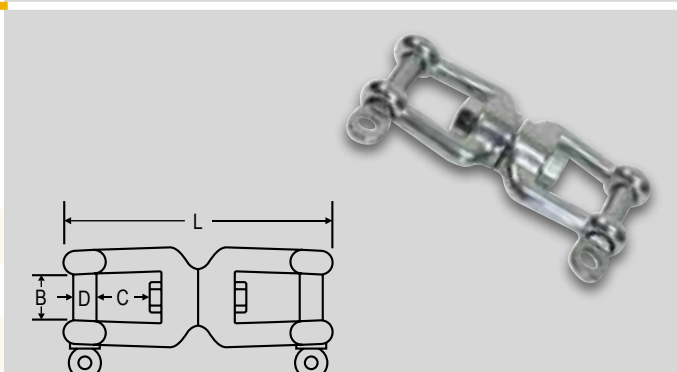
## SWIVEL EYE + EYE AISI 316

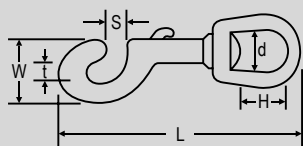
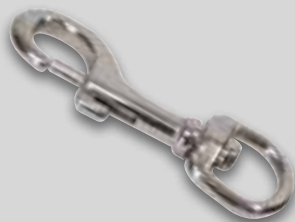
| Code        | A  | B  | B1 | L   | L1 | RWL  | TDL  | Wgt  |
|-------------|----|----|----|-----|----|------|------|------|
| SS-018EE-06 | 6  | 26 | 15 | 65  | 15 | 300  | 1200 | 53g  |
| SS-018EE-08 | 8  | 35 | 20 | 90  | 22 | 475  | 1900 | 123g |
| SS-018EE-10 | 10 | 44 | 24 | 115 | 27 | 875  | 3500 | 241g |
| SS-018EE-12 | 12 | 48 | 25 | 128 | 28 | 1250 | 5000 | 561g |



## SWIVEL JAW + JAW AISI 316

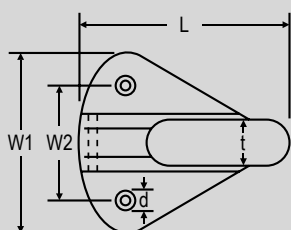
| Code        | B  | C  | D  | L   | RWL  | TDL  | Wgt  |
|-------------|----|----|----|-----|------|------|------|
| SS-018JJ-06 | 12 | 11 | 6  | 66  | 300  | 1200 | 66g  |
| SS-018JJ-08 | 16 | 16 | 8  | 94  | 475  | 1900 | 165g |
| SS-018JJ-10 | 20 | 22 | 10 | 118 | 875  | 3500 | 319g |
| SS-018JJ-12 | 26 | 28 | 12 | 152 | 1250 | 5000 | 610g |





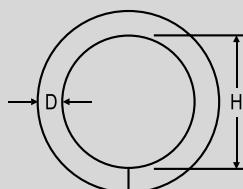
## SWIVEL EYE SNAP AISI 316

| Code      | d  | H  | L  | S   | t | W  | RWL | TDL | Wgt |
|-----------|----|----|----|-----|---|----|-----|-----|-----|
| SS-225-90 | 19 | 18 | 90 | 8.5 | 8 | 24 | 163 | 650 | 50g |



## PLATED SNAP HOOK AISI 316

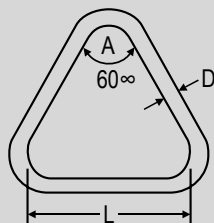
| Code       | d   | L  | t   | W1 | W2 | Wgt |
|------------|-----|----|-----|----|----|-----|
| SS-5373-38 | 4.5 | 38 | 5.0 | 34 | 22 | 50g |
| SS-5373-41 | 4.5 | 41 | 7.5 | 34 | 22 | 55g |



## ROUND RING WELDED AISI 304

• Alternate sizes available on request

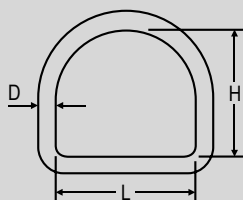
| Code         | D  | H  | RWL  | TDL  | Wgt  |
|--------------|----|----|------|------|------|
| SS-1717-0425 | 4  | 25 | 250  | 1000 | 10g  |
| SS-1717-0535 | 5  | 35 | 500  | 2000 | 20g  |
| SS-1717-0640 | 6  | 40 | 675  | 2700 | 32g  |
| SS-1717-0650 | 6  | 50 | 675  | 2700 | 39g  |
| SS-1717-0855 | 8  | 55 | 1250 | 5000 | 73g  |
| SS-1717-0875 | 8  | 75 | 1250 | 5000 | 100g |
| SS-1717-1075 | 10 | 75 | 2125 | 8500 | 156g |



## TRIANGULAR RING WELDED AISI 304

• Alternate sizes available on request

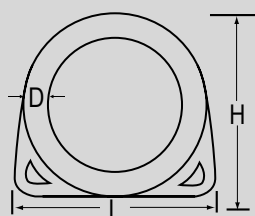
| Code         | A   | D  | L  | RWL  | TDL  | Wgt  |
|--------------|-----|----|----|------|------|------|
| SS-325T-650  | 60° | 6  | 50 | 500  | 2000 | 37g  |
| SS-325T-850  | 60° | 8  | 50 | 700  | 2800 | 68g  |
| SS-325T-1065 | 60° | 10 | 65 | 1250 | 5000 | 145g |



## DEE RING WELDED AISI 304

• Alternate sizes available on request

| Code        | D  | H  | L  | RWL  | TDL  | Wgt  |
|-------------|----|----|----|------|------|------|
| SS-325-425  | 4  | 22 | 25 | 200  | 800  | 9g   |
| SS-325-640  | 6  | 37 | 40 | 450  | 1800 | 33g  |
| SS-325-650  | 6  | 47 | 50 | 450  | 1800 | 40g  |
| SS-325-850  | 8  | 47 | 50 | 700  | 2800 | 75g  |
| SS-325-1065 | 10 | 62 | 65 | 1250 | 5000 | 166g |



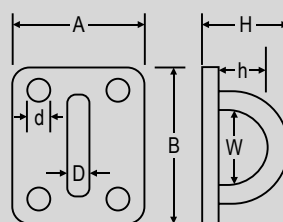
## DEE RING W/THIMBLE AISI 304

| Code         | D  | L  | H  | TDL  | RWL  | Wgt  |
|--------------|----|----|----|------|------|------|
| SS-2357-0630 | 6  | 30 | 23 | 1800 | 450  | 38g  |
| SS-2357-0650 | 6  | 50 | 47 | 1800 | 450  | 73g  |
| SS-2357-0850 | 8  | 50 | 47 | 2800 | 700  | 107g |
| SS-2357-1065 | 10 | 65 | 62 | 1250 | 5000 | 206g |

## PAD EYES

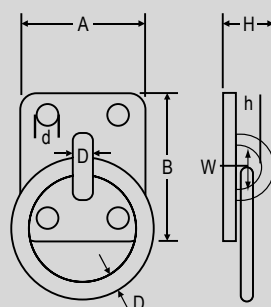
### OBLONG PAD EYE AISI 304

| Code      | A  | B  | D | d   | H  | h  | W  | RWL | TDL  | Screw Size | Wgt |
|-----------|----|----|---|-----|----|----|----|-----|------|------------|-----|
| SS-321-05 | 30 | 35 | 5 | 4.2 | 19 | 12 | 14 | 175 | 700  | 6g         | 26g |
| SS-321-06 | 35 | 40 | 6 | 4.2 | 26 | 17 | 18 | 250 | 1000 | 8g         | 38g |
| SS-321-08 | 40 | 50 | 8 | 5.2 | 33 | 22 | 20 | 400 | 1600 | 10g        | 63g |



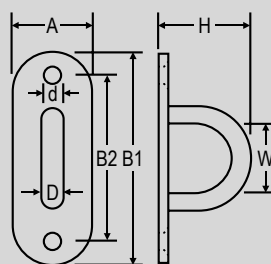
### OBLONG PAD EYE W/RING AISI 304

| Code      | A  | B  | D | d   | H  | h  | W  | RWL | TDL  | Screw Size | Wgt  |
|-----------|----|----|---|-----|----|----|----|-----|------|------------|------|
| SS-320-06 | 35 | 40 | 6 | 4.2 | 26 | 17 | 18 | 250 | 1000 | 8g         | 74g  |
| SS-320-08 | 40 | 50 | 8 | 5.2 | 33 | 22 | 20 | 400 | 1600 | 10g        | 130g |



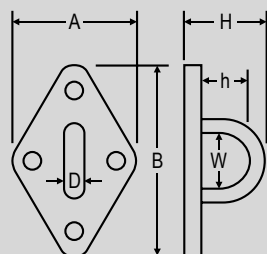
### OVAL PAD EYE AISI 304

| Code       | A  | B  | D    | d | H   | h  | W  | RWL | TDL  | Screw Size | Wgt |
|------------|----|----|------|---|-----|----|----|-----|------|------------|-----|
| SS-3212-05 | 15 | 45 | 35.5 | 5 | 4.2 | 20 | 14 | 175 | 700  | 6g         | 20g |
| SS-3212-08 | 26 | 80 | 60.0 | 8 | 5.2 | 32 | 20 | 400 | 1600 | 10g        | 70g |



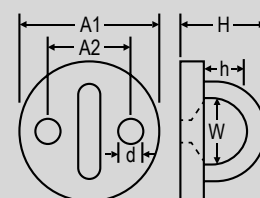
### DIAMOND PAD EYE CASTING TYPE AISI 304

| Code       | A  | B   | D  | H  | h  | W  | RWL  | TDL  | Screw Size | Wgt  |
|------------|----|-----|----|----|----|----|------|------|------------|------|
| SS-3213-06 | 38 | 66  | 8  | 22 | 11 | 21 | 550  | 2200 | 12g        | 51g  |
| SS-3213-08 | 57 | 89  | 8  | 29 | 18 | 15 | 1000 | 4000 | 14g        | 106g |
| SS-3213-10 | 60 | 100 | 10 | 35 | 20 | 24 | 1500 | 6000 | 14g        | 192g |



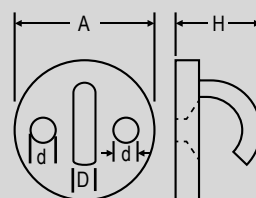
### ROUND PAD EYE AISI 304

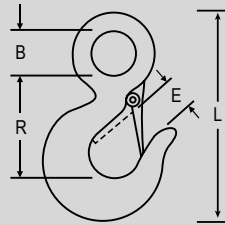
| Code       | A1 | A2   | d   | H  | h  | W  | RWL | TDL  | Screw Size | Wgt |
|------------|----|------|-----|----|----|----|-----|------|------------|-----|
| SS-3214-05 | 33 | 19.5 | 4.2 | 20 | 12 | 13 | 175 | 700  | 6g         | 21g |
| SS-3214-08 | 50 | 29.5 | 5.2 | 32 | 21 | 20 | 400 | 1600 | 10g        | 67g |



### ROUND OPEN PAD EYE AISI 304

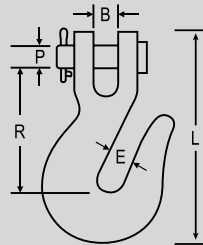
| Code        | A  | D | d   | RWL | TDL | Wgt |
|-------------|----|---|-----|-----|-----|-----|
| SS-3214H-06 | 40 | 6 | 4.5 | 55  | 220 | 38g |
| SS-3214H-08 | 50 | 8 | 5.5 | 63  | 252 | 65g |





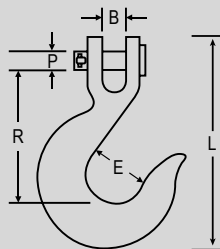
## EYE SLIP HOOK W/SAFETY CATCH AISI 316

| Code       | B    | E    | L   | R   | RWL  | TDL  | Wgt  |
|------------|------|------|-----|-----|------|------|------|
| SS-325X-06 | 12.0 | 23.5 | 89  | 63  | 375  | 1500 | 134g |
| SS-325X-08 | 16.5 | 24.0 | 106 | 73  | 725  | 2900 | 239g |
| SS-325X-10 | 18.0 | 33.0 | 122 | 84  | 800  | 3200 | 397g |
| SS-325X-12 | 23.5 | 42.0 | 156 | 105 | 1350 | 5400 | 850g |



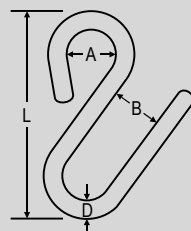
## CLEVIS PIN GRAB HOOK AISI 316

| Code      | B    | E    | L   | P    | R  | RWL  | TDL  | Wgt  |
|-----------|------|------|-----|------|----|------|------|------|
| SS-330-06 | 11.0 | 8.5  | 78  | 9.0  | 45 | 525  | 2100 | 156g |
| SS-330-08 | 13.5 | 10.5 | 94  | 10.5 | 55 | 775  | 3100 | 286g |
| SS-330-10 | 15.0 | 12.5 | 107 | 12.0 | 63 | 1000 | 4000 | 398g |
| SS-330-12 | 19.0 | 16.5 | 140 | 16.0 | 80 | 1838 | 7350 | 871g |



## CLEVIS PIN SLIP HOOK AISI 316

| Code      | B    | E    | L   | P    | R   | RWL  | TDL  | Wgt   |
|-----------|------|------|-----|------|-----|------|------|-------|
| SS-331-06 | 11.0 | 22.5 | 98  | 9.0  | 65  | 500  | 2000 | 187g  |
| SS-331-08 | 12.5 | 24.0 | 109 | 10.5 | 70  | 775  | 3100 | 334g  |
| SS-331-10 | 15.0 | 33.0 | 130 | 12.0 | 83  | 1000 | 4000 | 523g  |
| SS-331-13 | 19.0 | 42.0 | 165 | 16.0 | 100 | 1400 | 5600 | 1026g |



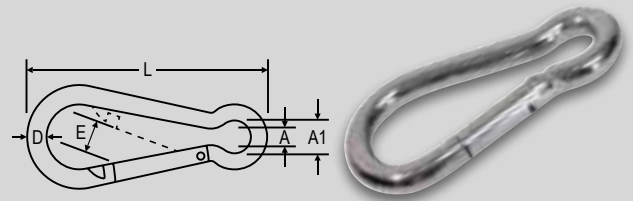
## 'S' HOOK AISI 304

| Code      | A  | B    | D   | L  | RWL | TDL | Wgt  |
|-----------|----|------|-----|----|-----|-----|------|
| SS-866-06 | 12 | 11.0 | 6.0 | 60 | 50  | 200 | 29g  |
| SS-866-08 | 16 | 15.0 | 8.0 | 75 | 100 | 400 | 68g  |
| SS-866-09 | 18 | 17.0 | 9.0 | 85 | 163 | 650 | 102g |

## SPRING HOOKS / SNAP HOOKS

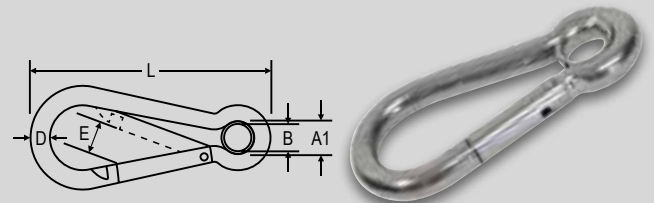
### SPRING HOOK AISI 316

| Code        | A  | A1 | D  | E  | L   | TDL  | Wgt  |
|-------------|----|----|----|----|-----|------|------|
| SS-2450X-05 | 6  | 10 | 5  | 8  | 50  | 570  | 17g  |
| SS-2450X-06 | 8  | 13 | 6  | 9  | 60  | 670  | 27g  |
| SS-2450X-08 | 8  | 13 | 8  | 9  | 80  | 870  | 65g  |
| SS-2450X-10 | 10 | 16 | 10 | 12 | 100 | 1150 | 128g |
| SS-2450X-12 | 11 | 18 | 11 | 16 | 120 | 1250 | 188g |



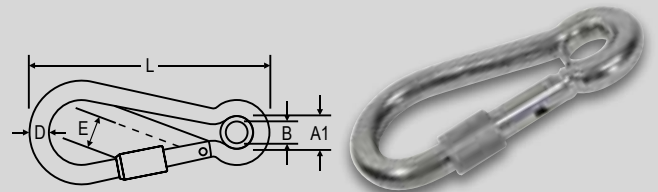
### SPRING HOOK W/EYELET AISI 316

| Code       | A1 | B    | D  | E  | L   | TDL  | Wgt  |
|------------|----|------|----|----|-----|------|------|
| SS-2450-05 | 10 | 7.5  | 5  | 8  | 50  | 570  | 17g  |
| SS-2450-06 | 13 | 9.0  | 6  | 9  | 60  | 670  | 28g  |
| SS-2450-08 | 13 | 11.5 | 8  | 9  | 80  | 870  | 64g  |
| SS-2450-10 | 16 | 14.0 | 10 | 12 | 100 | 1150 | 129g |
| SS-2450-12 | 18 | 16.5 | 11 | 16 | 120 | 1250 | 191g |



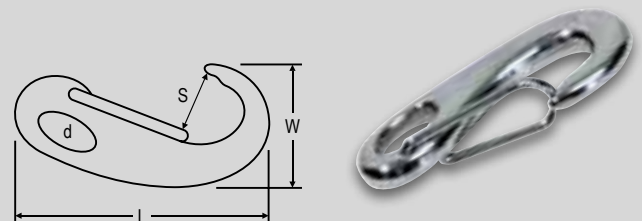
### SPRING HOOK W/EYELET & NUT AISI 316

| Code         | A1 | B    | D  | E  | L   | Wgt  |
|--------------|----|------|----|----|-----|------|
| SS-2450NX-06 | 13 | 9.0  | 6  | 9  | 60  | 29g  |
| SS-2450NX-08 | 13 | 11.5 | 8  | 9  | 80  | 70g  |
| SS-2450NX-10 | 16 | 14.0 | 10 | 12 | 100 | 136g |



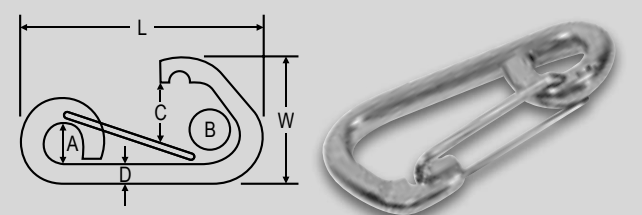
### CAST SNAP HOOK AISI 316

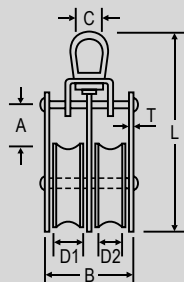
| Code       | D  | L   | S  | W  | RWL | TDL | Wgt  |
|------------|----|-----|----|----|-----|-----|------|
| SS-2470-05 | 8  | 50  | 10 | 25 | 220 | 55  | 23g  |
| SS-2470-07 | 12 | 70  | 11 | 31 | 88  | 350 | 56g  |
| SS-2470-10 | 16 | 100 | 15 | 50 | 225 | 900 | 148g |



### ASYMMETRIC SPRING HOOK AISI 316

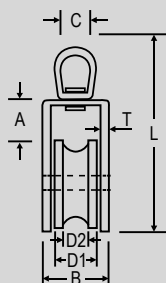
| Code       | A  | B  | C  | D  | L   | W  | RWL | TDL  | Wgt  |
|------------|----|----|----|----|-----|----|-----|------|------|
| SS-2430-06 | 7  | 10 | 10 | 6  | 61  | 35 | 188 | 750  | 29g  |
| SS-2430-08 | 11 | 13 | 13 | 8  | 81  | 48 | 438 | 1750 | 66g  |
| SS-2430-10 | 13 | 15 | 15 | 10 | 102 | 58 | 563 | 2250 | 124g |
| SS-2430-12 | 16 | 21 | 21 | 12 | 122 | 70 | 913 | 3650 | 222g |





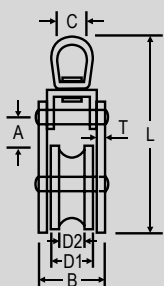
### DOUBLE SHEAVE NYLON PULLEY W/BRASS BUSHING AISI 304

| Code       | A  | B  | C    | D1 | D2 | L   | T   | RWL | TDL  | Wgt  |
|------------|----|----|------|----|----|-----|-----|-----|------|------|
| SS-3151-32 | 16 | 38 | 15.0 | 14 | 10 | 103 | 2.0 | 238 | 950  | 306g |
| SS-3151-50 | 18 | 50 | 21.0 | 18 | 13 | 141 | 2.5 | 700 | 2800 | 591g |



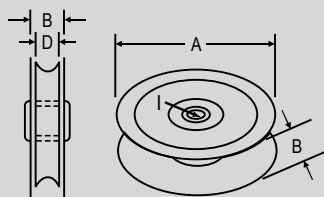
### SINGLE SHEAVE S/STEEL PULLEY W/BRASS BUSHING AISI 304

| Code        | A  | B    | C    | D1   | D2 | L   | T   | RWL | TDL  | Wgt  |
|-------------|----|------|------|------|----|-----|-----|-----|------|------|
| SS-3141S-25 | 17 | 20.0 | 13.5 | 13.0 | 9  | 88  | 2.0 | 375 | 1500 | 110g |
| SS-3141S-32 | 23 | 22.0 | 17.0 | 15.0 | 10 | 104 | 2.0 | 450 | 1800 | 189g |
| SS-3141S-50 | 26 | 29.0 | 19.0 | 20.0 | 13 | 143 | 2.5 | 875 | 3500 | 371g |



### SINGLE SHEAVE NYLON PULLEY W/BRASS BUSHING AISI 304

| Code       | A  | B  | C  | D1 | D2 | L   | T   | RWL | TDL  | Wgt  |
|------------|----|----|----|----|----|-----|-----|-----|------|------|
| SS-3141-32 | 19 | 42 | 17 | 15 | 10 | 104 | 2.0 | 425 | 1700 | 105g |
| SS-3141-50 | 24 | 54 | 19 | 20 | 13 | 143 | 2.5 | 700 | 2800 | 281g |



### SHEAVE S/STEEL W/BRASS BUSHING AISI 316

| Code        | A   | B  | D  | I    | Wgt  |
|-------------|-----|----|----|------|------|
| SS-3130-050 | 50  | 19 | 15 | 10.6 | 120g |
| SS-3130-075 | 75  | 20 | 16 | 13.6 | 267g |
| SS-3130-100 | 100 | 26 | 18 | 17.3 | 530g |

# STAINLESS STEEL TUBING

## RECTANGLE STAINLESS STEEL WELDED TUBE 50 X 10

- All tube available in cut lengths - cutting fee may apply
- Ideal for that flat handrail look

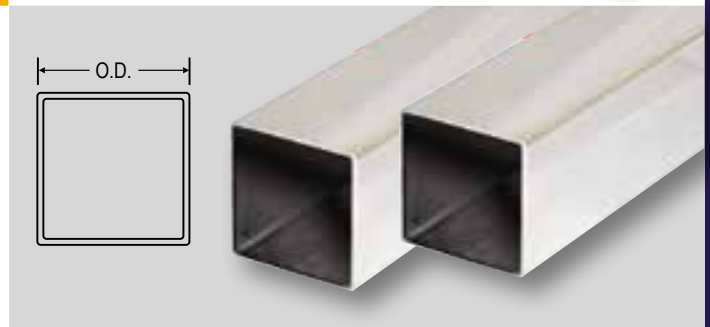
| Code                 | Size    | Wall | Polish | Length | Wgt   |
|----------------------|---------|------|--------|--------|-------|
| AWRMRT-316-5010-5.8M | 50 x 10 | 1.5  | 600g   | 5.8Mtr | 7kg   |
| AWRSRT-316-5010-5.8M | 50 x 10 | 1.5  | 180g   | 5.8Mtr | 7kg   |
| AWRMRT-316-5010-2.9M | 50 x 10 | 1.5  | 600g   | 2.9Mtr | 3.5kg |
| AWRSRT-316-5010-2.9M | 50 x 10 | 1.5  | 180g   | 2.9Mtr | 3.5kg |



## SQUARE STAINLESS STEEL WELDED TUBE ASTM A554

- All tube available in cut lengths – cutting fee may apply
- Other sizes available on request

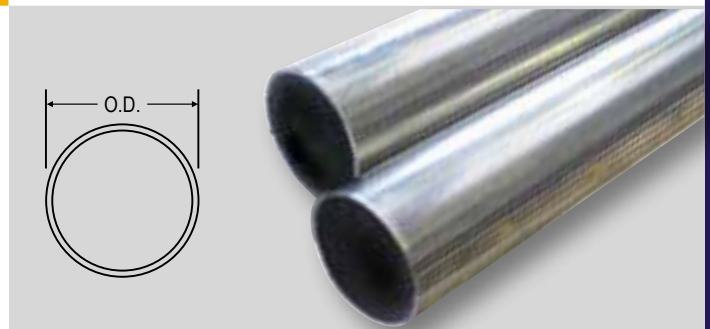
| Code            | O.D. | Wall | Polish | Lgth | Grade    | Wgt  |
|-----------------|------|------|--------|------|----------|------|
| AWRMST-316-2-6M | 2"   | 1.5  | 600g   | 6mtr | AISI 316 | 13kg |
| AWRSST-316-2-6M | 2"   | 1.5  | 180g   | 6mtr | AISI 316 | 13kg |



## ROUND STAINLESS STEEL WELDED TUBE ASTM A554 AISI 316

- All tube available in cut lengths – cutting fee may apply
- Other sizes available on request

| Code           | O.D. | Wall | Polish | Lgth | Wgt   |
|----------------|------|------|--------|------|-------|
| AWRRT-316-2-3M | 2"   | 1.5  | 600g   | 3m   | 5.5kg |
| AWRRT-316-2-6M | 2"   | 1.5  | 600g   | 6m   | 11kg  |



## ROUND STAINLESS STEEL WELDED TUBE "HEAVY DUTY" ASTM A554 AISI 316

- Contains 2mm wall thickness for applications requiring additional strength
- Ideal for corner/intermediate posts where tension is imposed on more than one side of tube
- All tube available in cut lengths – cutting fee may apply

| Code             | O.D. | Wall | Polish | Lgth | Wgt  |
|------------------|------|------|--------|------|------|
| AWRRT-316-2-2-3M | 2"   | 2.0  | 600g   | 3m   | 7kg  |
| AWRRT-316-2-2-6M | 2"   | 2.0  | 600g   | 6m   | 14kg |
| AWRRT-316-2-3-6M | 2"   | 3.0  | 600g   | 6M   | 23kg |



## ROUND SLOTTED S/STEEL WELDED TUBE ASTM A554 AISI 316

- Ideal for corner posts for balustrading and pool fencing
- All tube available in cut lengths – cutting fee may apply
- Slotted tube infill available – see page 50

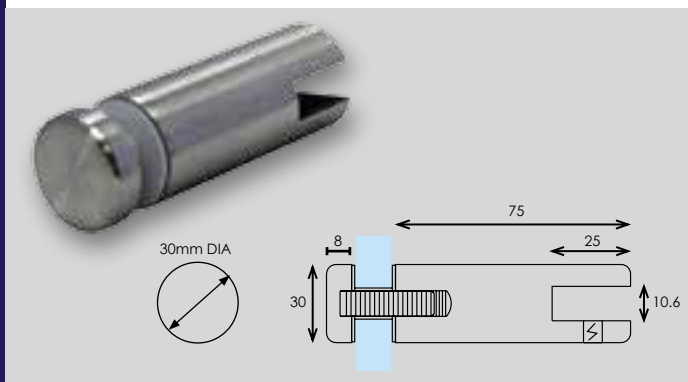
| Code              | O.D. | Wall | W  | H  | Slot   | Polish | Lgth | Wgt   |
|-------------------|------|------|----|----|--------|--------|------|-------|
| AWRRT-SS-316-2-6M | 2"   | 1.5  | 15 | 15 | Single | 600g   | 6m   | 13kg  |
| AWRRT-DS-316-2-6M | 2"   | 1.5  | 15 | 15 | Double | 600g   | 6m   | 15kg  |
| AWRRT-NS-316-2-3M | 2"   | 1.5  | 15 | 15 | 90°    | 600g   | 3m   | 6.5kg |



Ask about our additional in house services including:

- cutting
- welding
- glue end/rails caps, drilling
- installing blind rivets & pre-made wires

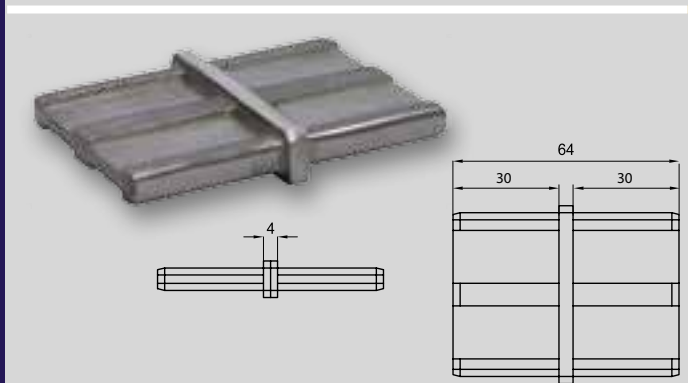
# HANDRAIL SYSTEMS



## 50 X 10MM RAIL CONNECTOR - 316 GRADE

- Standoff rail connector - neat finish with slot to suit 50 x 10mm handrail
- Stainless Steel 316gr - High Polish or Satin finish
- Suits 12mm thick glass with 16 to 20mm drilled handrail holes.

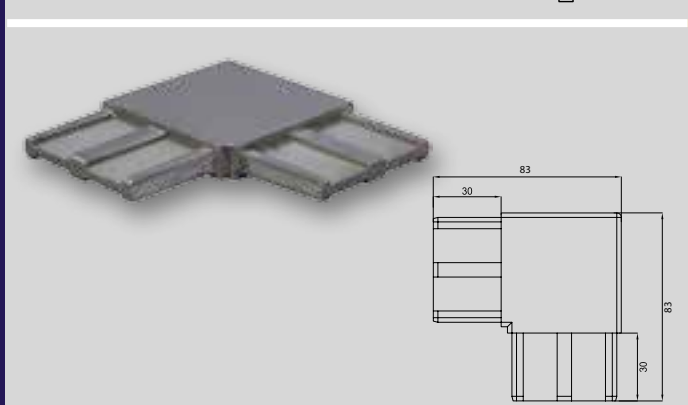
| Code          | Description              | Finish |
|---------------|--------------------------|--------|
| GOH-5010-RC-P | 50 x 10mm Rail Connector | Polish |
| GOH-5010-RC-S | 50 x 10mm Rail Connector | Satin  |



## 50 X 10MM IN-LINE JOINER - 316 GRADE

- In-line rail joiner - easy to use tap-in fitting
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill/tap tube for joining strength

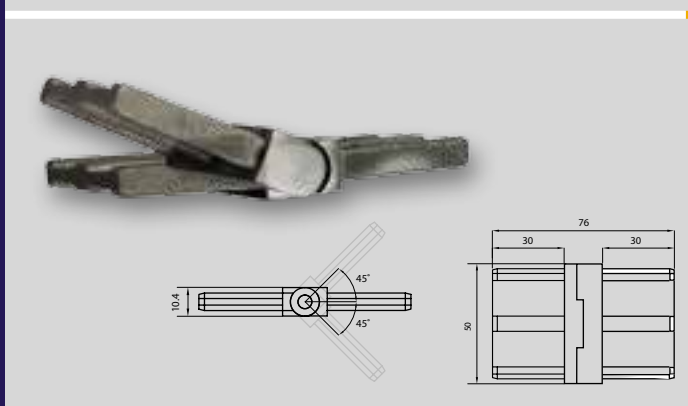
| Code          | Description             | Finish |
|---------------|-------------------------|--------|
| GOH-5010-IJ-P | 50 x 10mm Inline Joiner | Polish |
| GOH-5010-IJ-S | 50 x 10mm Inline Joiner | Satin  |



## 50 X 10MM 90 DEGREE JOINER - 316 GRADE

- 90 Degree Corner joiner - easy to use tap-in fitting
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill/tap tube for joining strength

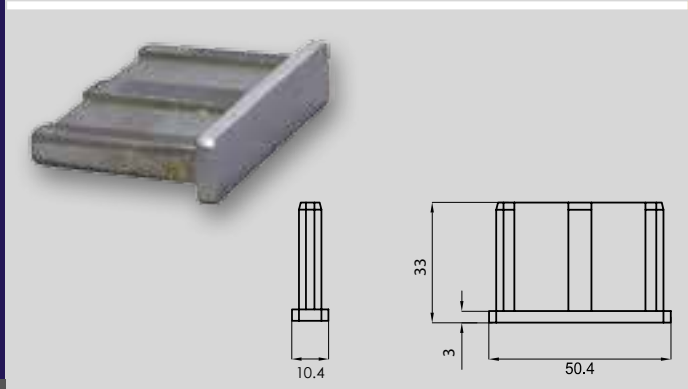
| Code           | Description            | Finish |
|----------------|------------------------|--------|
| GOH-5010-90J-P | 50 x 10mm 90deg Joiner | Polish |
| GOH-5010-90J-S | 50 x 10mm 90deg Joiner | Satin  |



## 50 X 10MM VERTICAL JOINER - 316 GRADE

- Variable angle vertical joiner - easy to use tap-in fitting
- Ideal for staircases - Up to 45 degrees
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill/tap tube for joining strength

| Code           | Material                             | Finish |
|----------------|--------------------------------------|--------|
| GOH-5010-AVJ-P | 50 x 10mm Adjustable Vertical Joiner | Polish |
| GOH-5010-AVJ-S | 50 x 10mm Adjustable Vertical Joiner | Satin  |



## 50 X 10MM END CAP - 316 GRADE

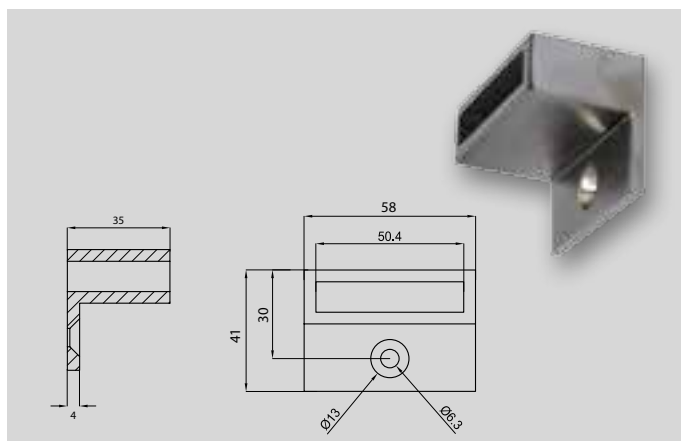
- End Cap - easy to use tap-in fitting
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill/tap tube for joining strength

| Code          | Description       | Finish |
|---------------|-------------------|--------|
| GOH-5010-EC-P | 50 x 10mm End Cap | Polish |
| GOH-5010-EC-S | 50 x 10mm End Cap | Satin  |

**50 X 10MM WALL PLATE - 316 GRADE**

- Bracket can be fixed to wall / post
- 50 x 10mm tube fits into opening (female fit)
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill/tap tube for joining strength

| Code          | Description          | Finish |
|---------------|----------------------|--------|
| GOH-5010-WP-P | 50 x 10mm Wall Plate | Polish |
| GOH-5010-WP-S | 50 x 10mm Wall Plate | Satin  |

**50 X 10MM BASE PLATE - 316 GRADE**

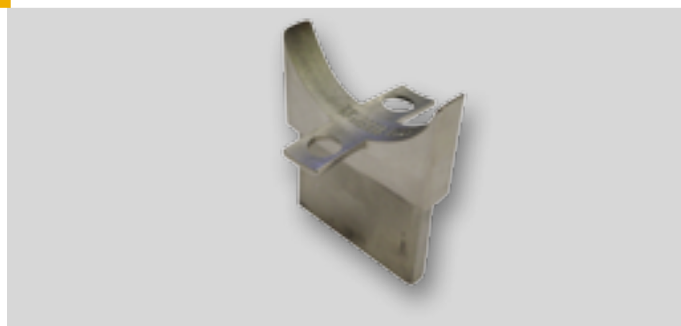
- Stainless Steel 316gr - High Polish or Satin finish
- Must be welded for joining strength

| Code          | Description          | Finish |
|---------------|----------------------|--------|
| GOH-5010-BP-P | 50 x 10mm Base Plate | Polish |
| GOH-5010-BP-S | 50 x 10mm Base Plate | Satin  |

**50 X 10MM PERPENDICULAR JOINER - ROUND TOP - 316 GRADE**

- Perpendicular Joiner for use with 2" round tube
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill/tap tube for joining strength

| Code           | Description                                    | Finish |
|----------------|------------------------------------------------|--------|
| GOH-5010-IPR-P | 50 x 10mm Perpendicular Joiner - 2" Radius Top | Polish |
| GOH-5010-IPR-S | 50 x 10mm Perpendicular Joiner - 2" Radius Top | Satin  |

**50 X 10MM PERPENDICULAR JOINER - FLAT TOP - 316 GRADE**

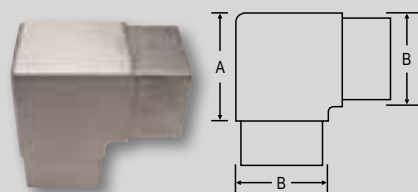
- Perpendicular Joiner for use with square top
- Stainless Steel 316gr
- Use in conjunction with M6 nutsert to fix to underneath of top rail

| Code         | Description                               | Finish |
|--------------|-------------------------------------------|--------|
| GOH-5010-IPF | 50 x 10mm Perpendicular Joiner - Flat Top | N/A    |



# HANDRAIL SYSTEMS

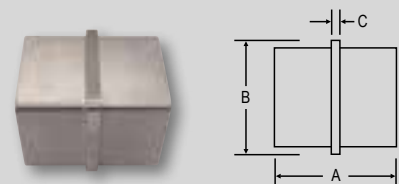
## MIRROR & SATIN SQUARE RANGE



### FLUSH JOINER "90°" AISI 316

- Mirror or Satin (180g) finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

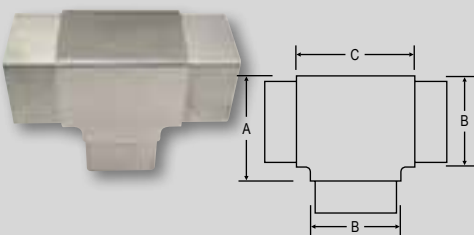
| Code        | Finish | Tube Ø | Wall | A  | B    | Wgt  |
|-------------|--------|--------|------|----|------|------|
| AWRMST-2002 | Mirror | 2"     | 1.5  | 63 | 50.8 | 655g |
| AWRSST-2002 | Satin  | 2"     | 1.5  | 63 | 50.8 | 655g |



### FLUSH JOINER "IN-LINE" AISI 316

- Satin (180g) or Mirror finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

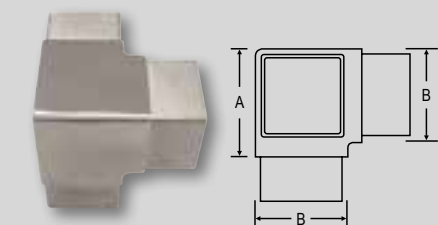
| Code        | Finish | Tube Ø | Wall  | A  | B    | C   | Wgt  |
|-------------|--------|--------|-------|----|------|-----|------|
| AWRMST-2004 | Mirror | 2"     | 1.5mm | 66 | 50.8 | 6.0 | 254g |
| AWRSST-2004 | Satin  | 2"     | 1.5mm | 66 | 50.8 | 6.0 | 254g |



### FLUSH JOINER "TEE" AISI 316

- Mirror or Satin (180g) finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

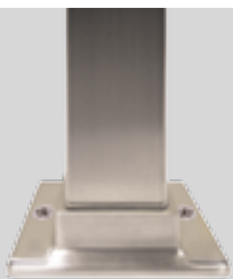
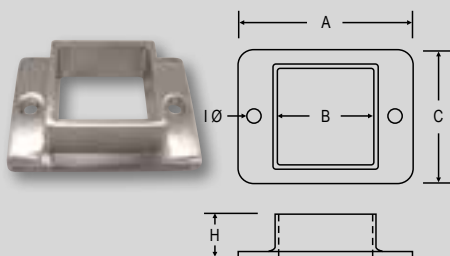
| Code        | Finish | Tube Ø | Wall | A  | B    | C  | Wgt  |
|-------------|--------|--------|------|----|------|----|------|
| AWRMST-2005 | Mirror | 2"     | 1.5  | 63 | 50.8 | 75 | 785g |
| AWRSST-2005 | Satin  | 2"     | 1.5  | 63 | 50.8 | 75 | 785g |



### FLUSH JOINER "90° TEE" AISI 316

- Mirror or Satin (180g) finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

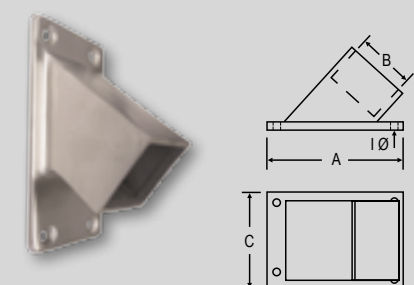
| Code        | Finish | Tube Ø | Wall | A  | B    | Wgt  |
|-------------|--------|--------|------|----|------|------|
| AWRMST-2006 | Mirror | 2"     | 1.5  | 63 | 50.8 | 752g |
| AWRSST-2006 | Satin  | 2"     | 1.5  | 63 | 50.8 | 752g |



### OBLONG BASE PLATE/FLANGE AISI 316

- Mirror or Satin (180g) finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

| Code        | Finish | Tube Ø | Wall | A   | B    | C  | H  | I   | Wgt  |
|-------------|--------|--------|------|-----|------|----|----|-----|------|
| AWRMST-2014 | Mirror | 2"     | 1.5  | 116 | 50.8 | 80 | 30 | 8.0 | 445g |
| AWRSST-2014 | Satin  | 2"     | 1.5  | 116 | 50.8 | 80 | 30 | 8.0 | 445g |



### WALL STOP FLANGE "37°" AISI 316

- Mirror or Satin (180g) finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

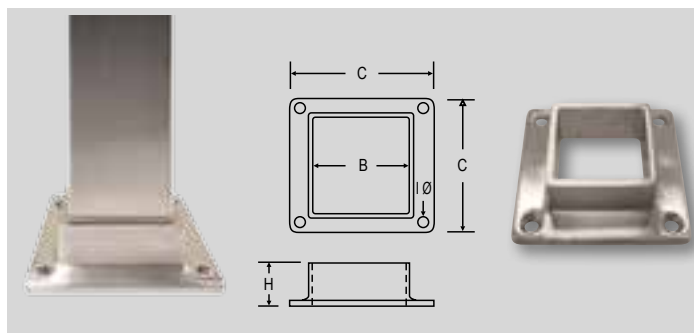
| Code        | Finish | Tube Ø | Wall | A   | B    | C  | I   | Wgt  |
|-------------|--------|--------|------|-----|------|----|-----|------|
| AWRMST-2015 | Mirror | 2"     | 1.5  | 155 | 51.5 | 80 | 8.0 | 690g |
| AWRSST-2015 | Satin  | 2"     | 1.5  | 155 | 51.5 | 80 | 8.0 | 690g |

## MIRROR & SATIN SQUARE RANGE

### SQUARE BASE PLATE/FLANGE AISI 316

- **Mirror or Satin (180g) finished modular handrail components**
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

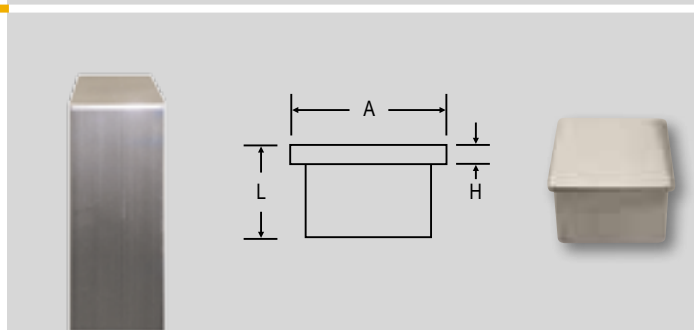
| Code        | Finish | Tube Ø | Wall | A   | B    | C   | H  | I   | Wgt  |
|-------------|--------|--------|------|-----|------|-----|----|-----|------|
| AWRMST-2016 | Mirror | 2"     | 1.5  | 100 | 50.8 | 100 | 30 | 8.0 | 498g |
| AWRSST-2016 | Satin  | 2"     | 1.5  | 100 | 50.8 | 100 | 30 | 8.0 | 498g |



### END CAP "FLAT" AISI 316

- **Mirror or Satin (180g) finished modular handrail components**
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

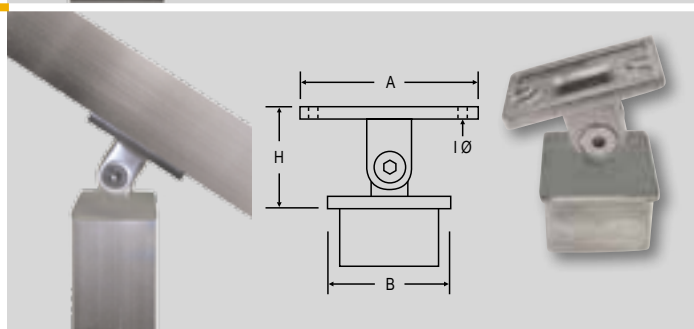
| Code        | Finish | Tube Ø | Wall | A    | H   | L  | Wgt  |
|-------------|--------|--------|------|------|-----|----|------|
| AWRMST-2019 | Mirror | 2"     | 1.5  | 50.8 | 3.0 | 33 | 156g |
| AWRSST-2019 | Satin  | 2"     | 1.5  | 50.8 | 3.0 | 33 | 156g |



### ADJUSTABLE RAIL SUPPORT "FLAT TOP" AISI 316

- **Mirror or Satin (180g) finished modular handrail components**
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

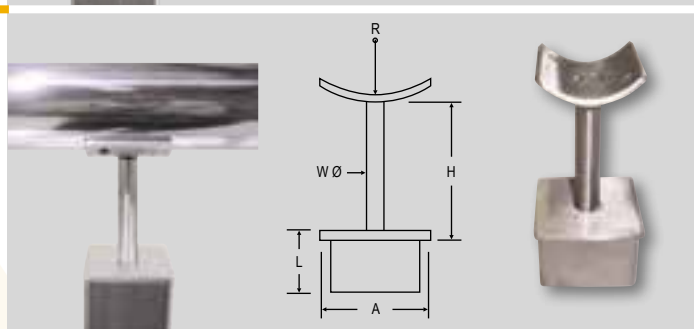
| Code         | Finish | Tube Ø | Wall | A  | B    | H  | I   | Wgt  |
|--------------|--------|--------|------|----|------|----|-----|------|
| AWRMST-315AP | Mirror | 2"     | 1.5  | 66 | 50.8 | 50 | 6.0 | 375g |
| AWRSST-315AP | Satin  | 2"     | 1.5  | 66 | 50.8 | 50 | 6.0 | 375g |



### POST REDUCER SQUARE - ROUND "IN-LINE" AISI 316

- **Mirror or Satin (180g) finished modular handrail components**
- Reducer to allow square intermediate posts with round handrail
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

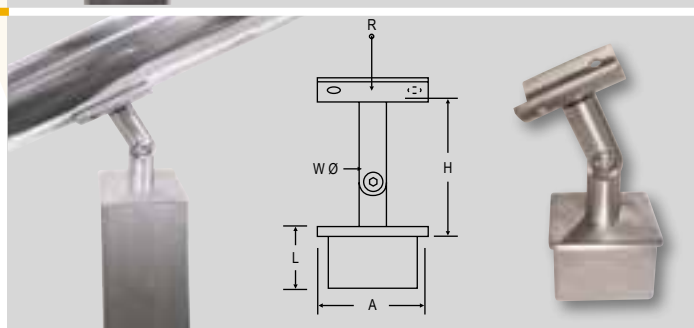
| Code        | Finish | Tube Ø | Wall | A    | H  | L  | R  | W  | Wgt  |
|-------------|--------|--------|------|------|----|----|----|----|------|
| AWRMST-2020 | Mirror | 2"     | 1.5  | 50.8 | 66 | 33 | 2" | 12 | 254g |
| AWRSST-2020 | Satin  | 2"     | 1.5  | 50.8 | 66 | 33 | 2" | 12 | 254g |



### POST REDUCER SQUARE - ROUND "ADJUSTABLE" AISI 316

- **Mirror or Satin (180g) finished modular handrail components**
- Reducer to allow square posts to angled round handrail
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

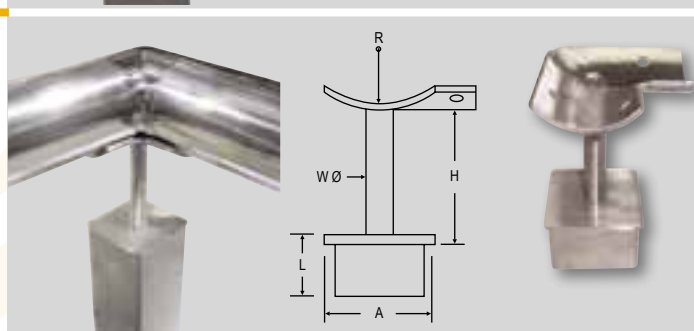
| Code        | Finish | Tube Ø | Wall | A    | H  | L  | R  | W  | Wgt  |
|-------------|--------|--------|------|------|----|----|----|----|------|
| AWRMST-2021 | Mirror | 2"     | 1.5  | 50.8 | 66 | 33 | 2" | 16 | 293g |
| AWRSST-2021 | Satin  | 2"     | 1.5  | 50.8 | 66 | 33 | 2" | 16 | 293g |

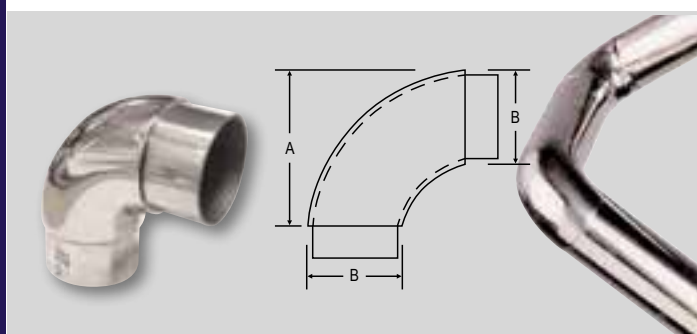


### POST REDUCER SQUARE - ROUND "90° CORNER" AISI 316

- **Mirror or Satin (180g) finished modular handrail components**
- Reducer to allow square 90° corner posts to round handrail
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

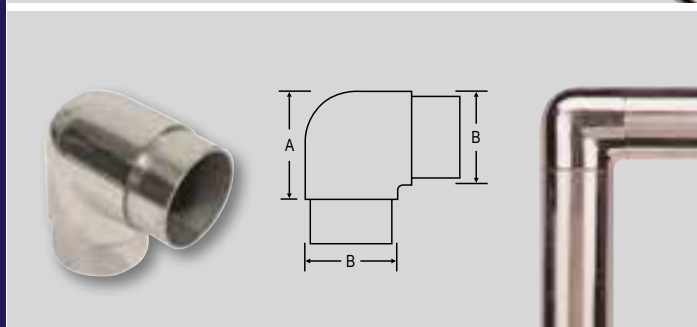
| Code        | Finish | Tube Ø | Wall | A    | H  | L  | R  | W  | Wgt  |
|-------------|--------|--------|------|------|----|----|----|----|------|
| AWRMST-2022 | Mirror | 2"     | 1.5  | 50.8 | 66 | 33 | 2" | 12 | 309g |
| AWRSST-2022 | Satin  | 2"     | 1.5  | 50.8 | 66 | 33 | 2" | 12 | 309g |





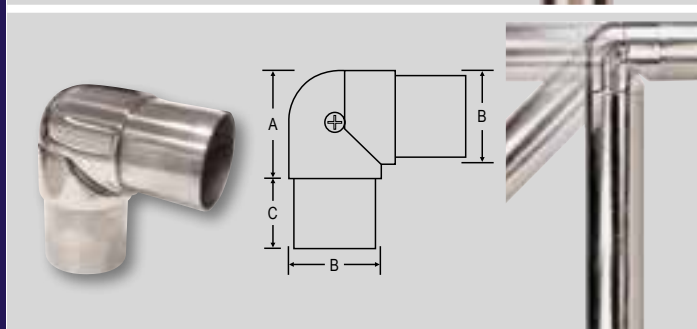
### FLUSH JOINER "90°" RADIUSED AISI 316

| Code       | Tube Ø | Wall | A  | B    | Wgt  |
|------------|--------|------|----|------|------|
| AWR2002-1E | 2"     | 1.5  | 66 | 50.8 | 385g |



### FLUSH JOINER "90°" AISI 316

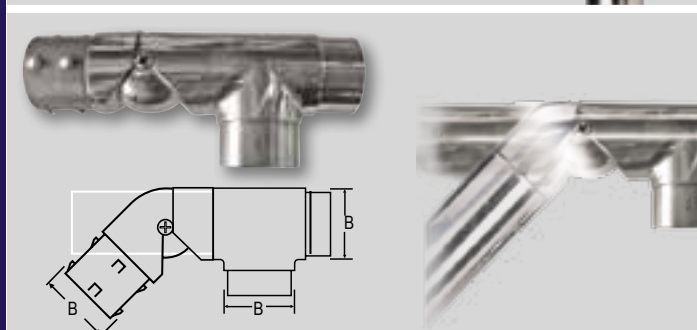
| Code     | Tube Ø | Wall | A  | B    | Wgt  |
|----------|--------|------|----|------|------|
| AWR2002E | 2"     | 1.5  | 57 | 50.8 | 340g |



### FLUSH JOINER "ADJUSTABLE" AISI 316

- Flexible joiner used for stairway handrails or angled handrail
- Adjusts from 90° to 180°

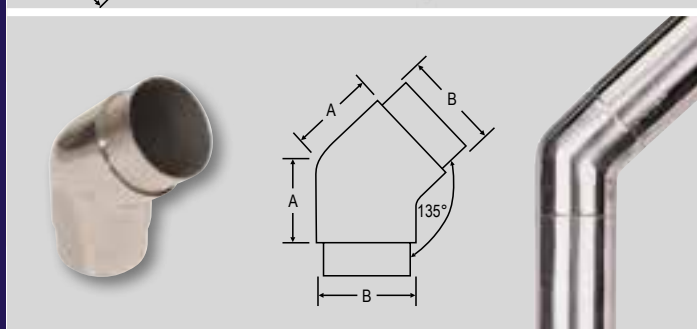
| Code      | Tube Ø | Wall | A  | B    | C  | Wgt  |
|-----------|--------|------|----|------|----|------|
| AWR20349E | 2"     | 1.5  | 57 | 50.8 | 38 | 485g |



### FLUSH JOINER "ADJUSTABLE TEE" AISI 316

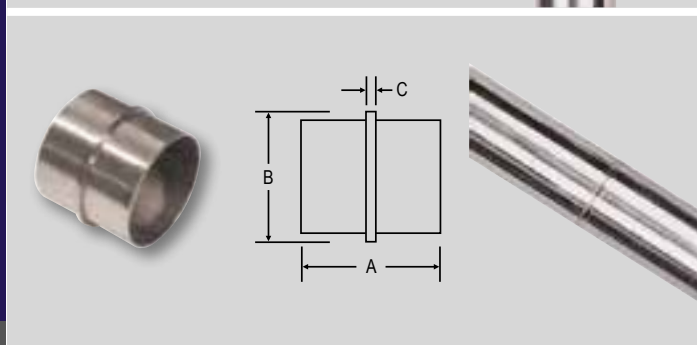
- Flexible joiner used for stairway handrails
- Adjusts from 90° to 180°

| Code     | Tube Ø | Wall | B    | Wgt  |
|----------|--------|------|------|------|
| AWR2061A | 2"     | 1.5  | 50.8 | 883g |



### FLUSH JOINER "135°" AISI 316

| Code     | Tube Ø | Wall | A  | B    | Wgt  |
|----------|--------|------|----|------|------|
| AWR2003E | 2"     | 1.5  | 45 | 50.8 | 285g |



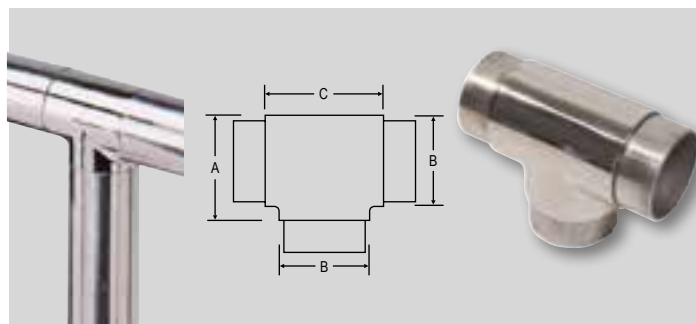
### FLUSH JOINER "IN-LINE" AISI 316

| Code     | Tube Ø | Wall | A  | B    | C   | Wgt  |
|----------|--------|------|----|------|-----|------|
| AWR2004E | 2"     | 1.5  | 54 | 50.8 | 3.0 | 120g |

## FLUSH JOINERS

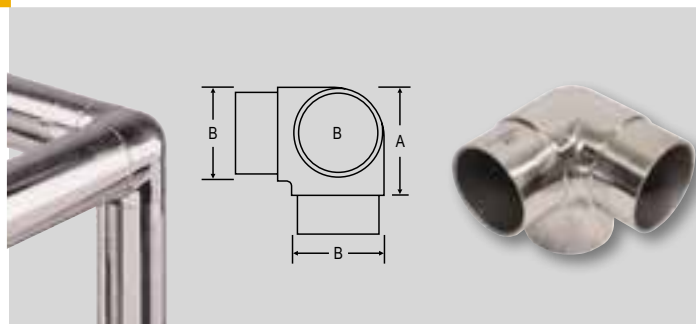
### FLUSH JOINER "TEE" AISI 316

| Code     | Tube Ø | Wall | A  | B    | C  | Wgt  |
|----------|--------|------|----|------|----|------|
| AWR2005E | 2"     | 1.5  | 57 | 50.8 | 67 | 450g |



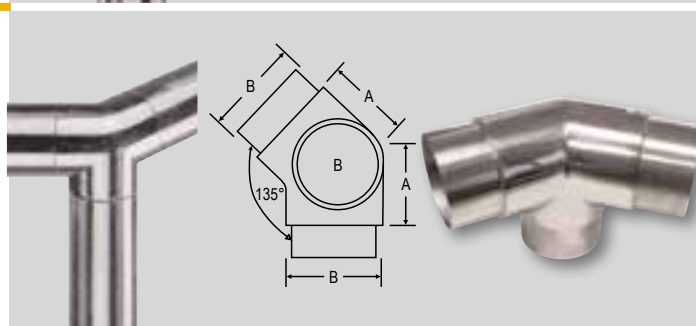
### FLUSH JOINER "90° TEE" AISI 316

| Code     | Tube Ø | Wall | A  | B    | Wgt  |
|----------|--------|------|----|------|------|
| AWR2006E | 2"     | 1.5  | 57 | 50.8 | 435g |



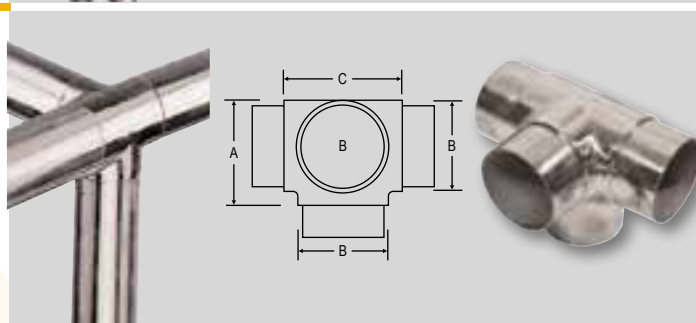
### FLUSH JOINER "135° TEE" AISI 316

| Code     | Tube Ø | Wall | A  | B    | Wgt  |
|----------|--------|------|----|------|------|
| AWR2007E | 2"     | 1.5  | 45 | 50.8 | 500g |



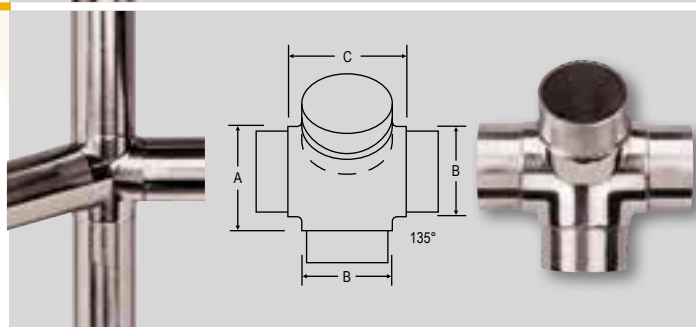
### FLUSH JOINER "4-WAY TEE" AISI 316

| Code     | Tube Ø | Wall | A  | B    | C  | Wgt  |
|----------|--------|------|----|------|----|------|
| AWR2008E | 2"     | 1.5  | 57 | 50.8 | 67 | 560g |



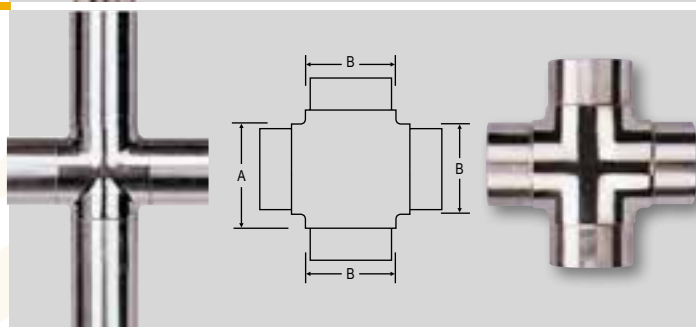
### FLUSH JOINER 135° "STAR" AISI 316

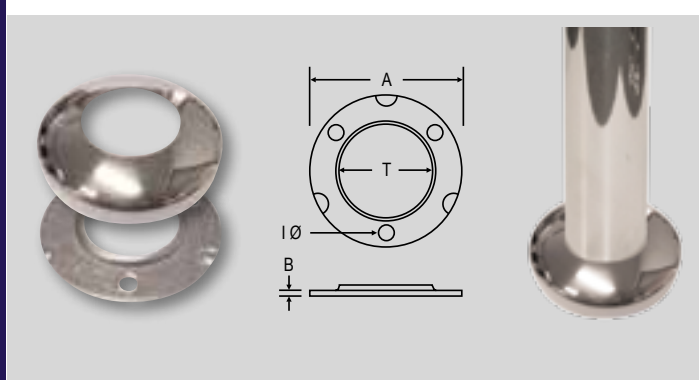
| Code     | Tube Ø | Wall | A  | B    | C  | Wgt  |
|----------|--------|------|----|------|----|------|
| AWR2009E | 2"     | 1.5  | 57 | 50.8 | 67 | 500g |



### FLUSH JOINER 4-WAY "STAR" AISI 316

| Code     | Tube Ø | Wall | A  | B    | Wgt  |
|----------|--------|------|----|------|------|
| AWR2010E | 2"     | 1.5  | 67 | 50.8 | 460g |

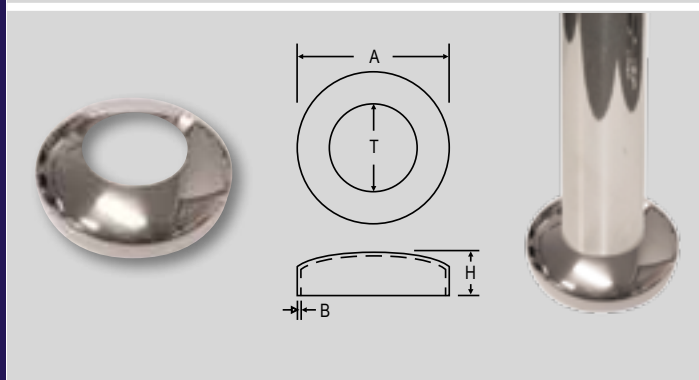




### ROUND BASE PLATE W/COVER (WELD) AISI 316

- "3" Hole base plate with clip on cover
- This item must be welded
- Mirror polished cover plate

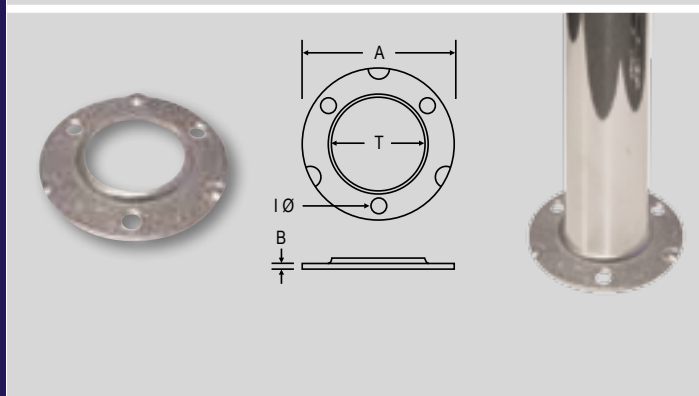
| Code     | Tube Ø | A   | B   | I   | T    | Wgt  |
|----------|--------|-----|-----|-----|------|------|
| AWR2001A | 2"     | 100 | 3.0 | 8.5 | 51.0 | 217g |



### ROUND COVER PLATE ONLY AISI 316

- Domed cover plate
- Suits posts/handrails which are set into a surface or over a fixed base plate

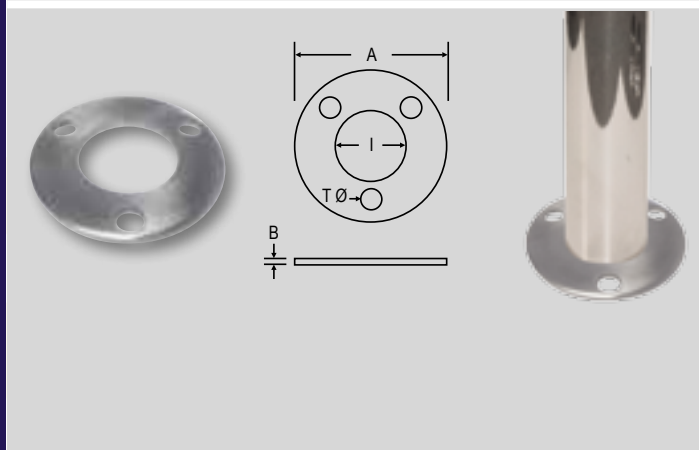
| Code         | Tube Ø | A   | B    | H  | T    | Finish | Wgt |
|--------------|--------|-----|------|----|------|--------|-----|
| AWR2001A-C   | 2"     | 102 | 0.80 | 26 | 51.2 | Mirror | 88g |
| AWR2001A-C-S | 2"     | 102 | 0.80 | 26 | 51.2 | Satin  | 88g |



### ROUND BASE PLATE ONLY (WELD) AISI 304

- "3" Hole base plate in mill surface finish
- This item must be welded

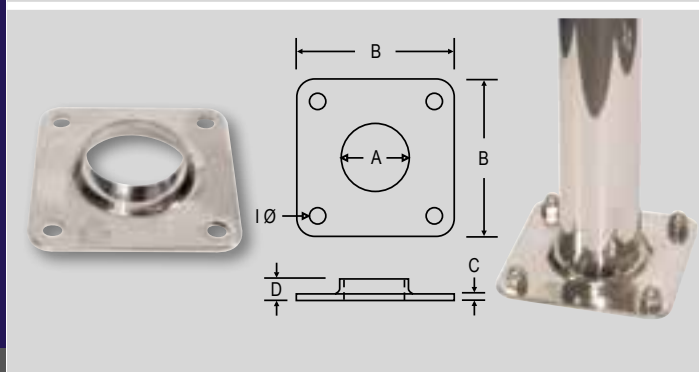
| Code       | Tube Ø | A   | B   | I   | T    | Wgt  |
|------------|--------|-----|-----|-----|------|------|
| AWR2001A-B | 2"     | 100 | 3.0 | 8.5 | 51.0 | 129g |



### ROUND BASE PLATE HEAVY DUTY (WELD) AISI 316

- "3" Hole Base Plate For Commercial And Structural Applications
- Satin surface finish
- Clip on cover also available (AWR2001A-C)
- This item must be welded

| Code     | Tube Ø | A   | B   | T    | I  | Wgt  |
|----------|--------|-----|-----|------|----|------|
| AWR2001D | 2"     | 100 | 6.0 | 12.5 | 51 | 249g |



### SQUARE BASE PLATE HEAVY DUTY (WELD) AISI 304

- Square, heavy duty "4" hole sheet type material base plate
- Suitable for commercial or domestic use where the need for strength is an issue
- This item requires welding to the underneath side of the plate

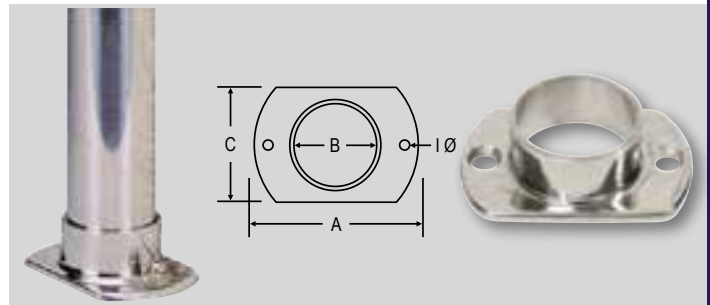
| Code     | Tube Ø | A    | B   | C   | D  | I    | Wgt  |
|----------|--------|------|-----|-----|----|------|------|
| AWR2002S | 2"     | 51.0 | 110 | 4.0 | 19 | 10.5 | 330g |

## FLANGES/JOINER

### OBLONG BASE PLATE/FLANGE AISI 316

- Heavy duty cast "2" hole slab base
- Suitable for fixing handrails in between timber, masonry or steel posts
- May also be used for floor mounting where space is limited

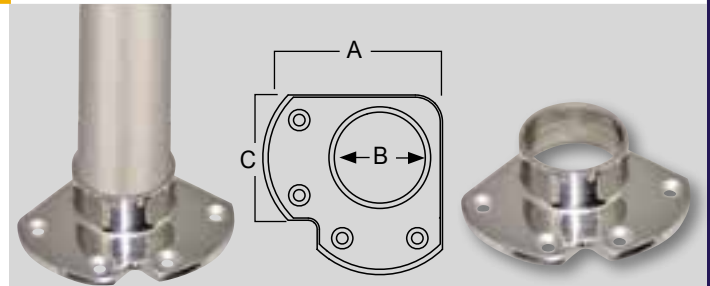
| Code     | Tube Ø | A   | B    | C  | I   | Wgt  |
|----------|--------|-----|------|----|-----|------|
| AWR2014A | 2"     | 100 | 50.8 | 69 | 6.5 | 255g |



### CORNER BASE PLATE / FLANGE AISI 316

- Popular heavy duty cast four hole corner base plate
- Suitable for fixing posts to flooring or handrails in corner applications

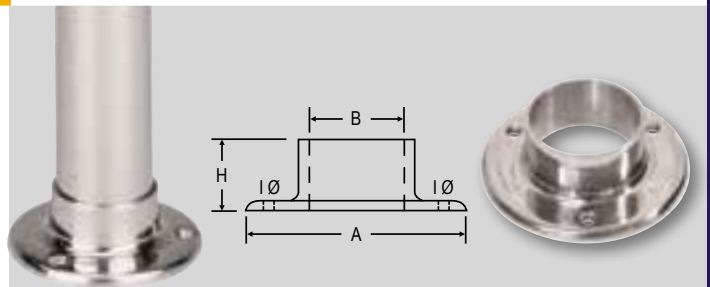
| Code     | Tube Ø | A   | B    | C    | Wgt  |
|----------|--------|-----|------|------|------|
| AWR2014L | 2"     | 101 | 50.8 | 70.5 | 343g |



### ROUND BASE PLATE/FLANGE AISI 316

- Popular heavy duty cast three hole base plate
- Suitable for fixing posts to flooring or handrails to walls or posts

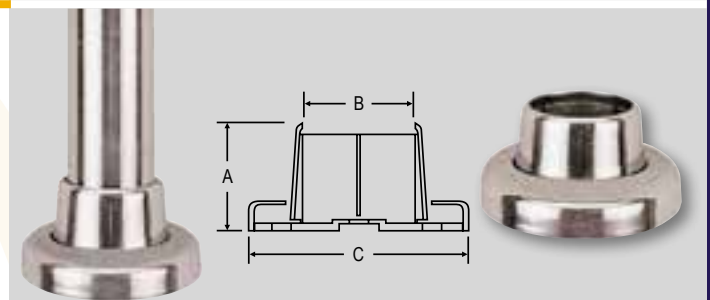
| Code     | Tube Ø | A   | B    | H  | I   | Wgt  |
|----------|--------|-----|------|----|-----|------|
| AWR2016A | 2"     | 102 | 50.8 | 31 | 6.5 | 315g |



### ROUND ADJUSTABLE HEAVY DUTY BASE PLATE AISI 316

- Height adjustable concealed heavy duty base plate
- Self-holding fins that grip onto the outside of the tube

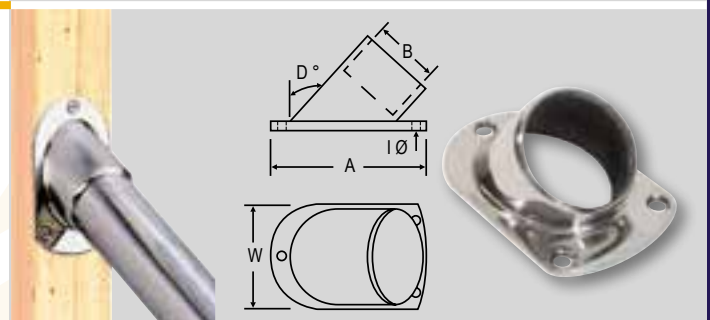
| Code     | Tube Ø | A  | B    | C   | Wgt  |
|----------|--------|----|------|-----|------|
| AWR2099A | 2"     | 48 | 50.8 | 101 | 495g |

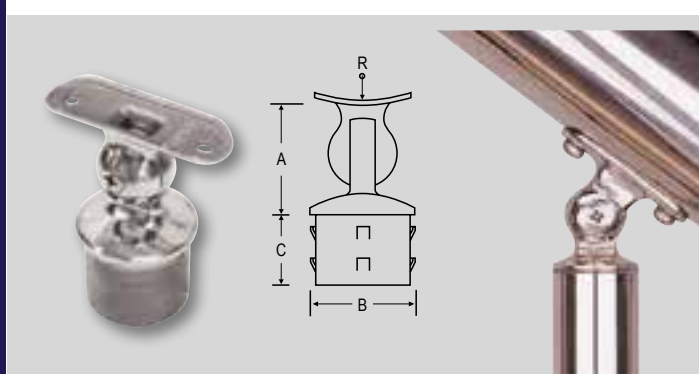


### WALL STOP FLANGE AISI 316

- "3" hole cast angled flange (please specify stairway angle when ordering)
- Suitable for fixing handrails down stairways between timber, masonry or steel posts
- Flange can be turned 180 ° to complete the stairway handrail

| Code     | Tube Ø | D   | A   | B    | W  | I   | Wgt  |
|----------|--------|-----|-----|------|----|-----|------|
| AWR2015A | 2"     | 45° | 130 | 50.8 | 70 | 7.0 | 260g |
| AWR2015C | 2"     | 37° | 110 | 50.8 | 70 | 6.0 | 260g |

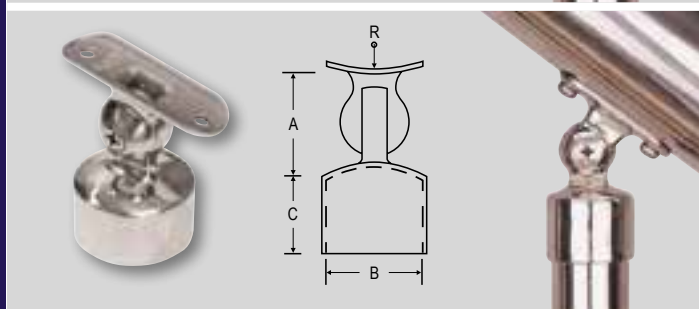




### ADJ. RAIL SUPPORT RADIUSED "INTERNAL FIT" AISI 316

- Fully adj. handrail support for fixing stairway posts to angled round handrails
- External spring leaves grip tube internal for extreme hold and easy installation

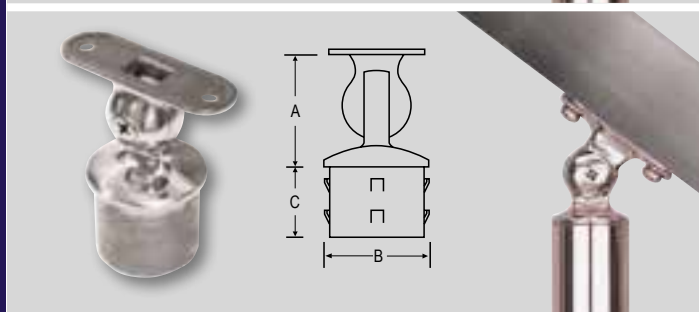
| Code      | Tube Ø | Wall | A  | B    | C  | R  | Wgt  |
|-----------|--------|------|----|------|----|----|------|
| AWR20315A | 2"     | 1.5  | 51 | 50.8 | 32 | 2" | 320g |



### ADJ. RAIL SUPPORT RADIUSED "EXTERNAL FIT" AISI 316

- Fully adj. handrail support for fixing stairway posts to angled round handrails
- Internal ribs negate the need for welding or a true end cut of the tube

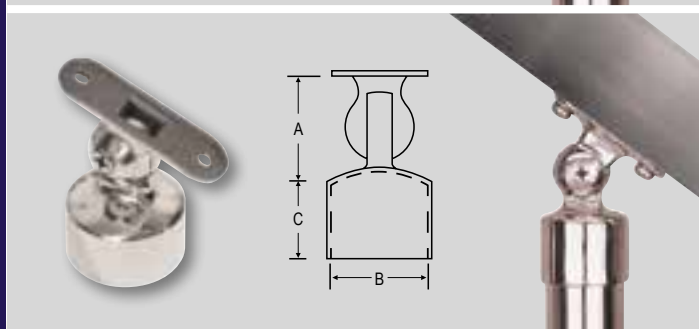
| Code      | Tube Ø | Wall | A  | B    | C  | R  | Wgt  |
|-----------|--------|------|----|------|----|----|------|
| AWR20316A | 2"     | 1.5  | 51 | 50.8 | 32 | 2" | 302g |



### ADJ. RAIL SUPPORT FLAT "INTERNAL FIT" AISI 316

- Fully adj. handrail support for fixing stairway posts to angled flat handrails
- External spring leaves grip tube internal for extreme hold and easy installation

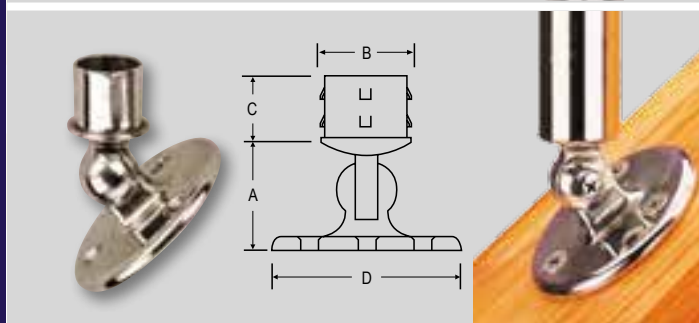
| Code       | Tube Ø | Wall | A  | B    | C  | Wgt  |
|------------|--------|------|----|------|----|------|
| AWR20315AP | 2"     | 1.5  | 51 | 50.8 | 32 | 299g |



### ADJ. RAIL SUPPORT FLAT "EXTERNAL FIT" AISI 316

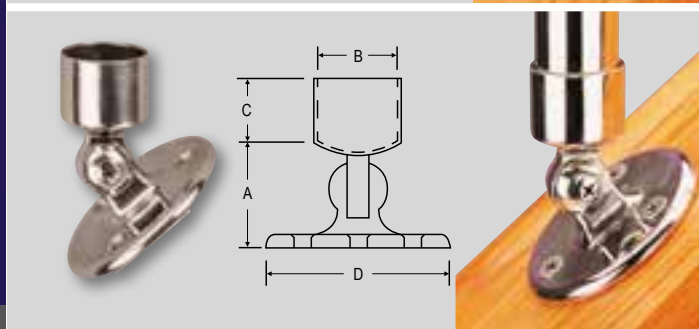
- Fully adj. handrail support for fixing stairway posts to angled flat handrails
- Internal ribs negate the need for welding or a true end cut of the tube

| Code       | Tube Ø | Wall | A  | B    | C  | Wgt  |
|------------|--------|------|----|------|----|------|
| AWR20316AP | 2"     | 1.5  | 51 | 50.8 | 32 | 288g |



### ADJ. RAIL SUPPORT ROUND BASE "INTERNAL FIT" AISI 316

| Code       | Tube Ø | Wall | A  | B    | C  | D   | Wgt  |
|------------|--------|------|----|------|----|-----|------|
| AWR20315AC | 2"     | 1.5  | 51 | 50.8 | 26 | 101 | 600g |



### ADJ. RAIL SUPPORT ROUND BASE "EXTERNAL FIT" AISI 316

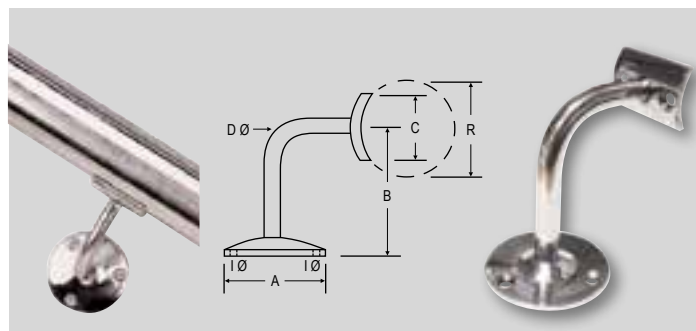
| Code       | Tube Ø | Wall | A  | B    | C  | D   | Wgt  |
|------------|--------|------|----|------|----|-----|------|
| AWR20316AC | 2"     | 1.5  | 51 | 50.8 | 26 | 101 | 600g |

## SUPPORTS

### HANDRAIL SUPPORT "RADIUSED" AISI 306

- Three hole handrail support designed for fixing to any type of wall
- Radiused top with countersunk holes allows a handrail to be attached without the need for welding

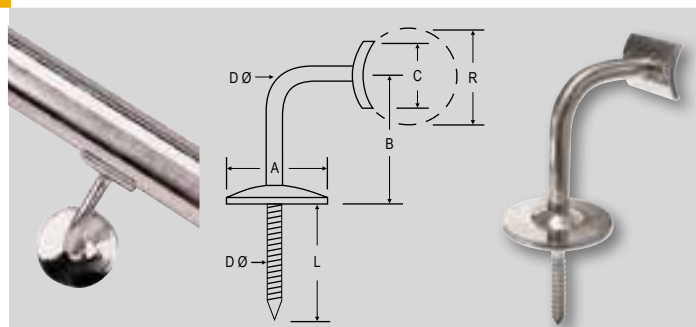
| Code     | A  | B  | C  | D  | I   | R  | Wgt  |
|----------|----|----|----|----|-----|----|------|
| AWR2028A | 63 | 85 | 31 | 12 | 5.5 | 2" | 247g |



### H/RAIL SUPPORT W/- COACH SCREW "RADIUSED" AISI 316

- Coach screw fix handrail support designed for fixing into timber stud wall
- Radiused top with countersunk holes allows a handrail to be attached without the need for welding

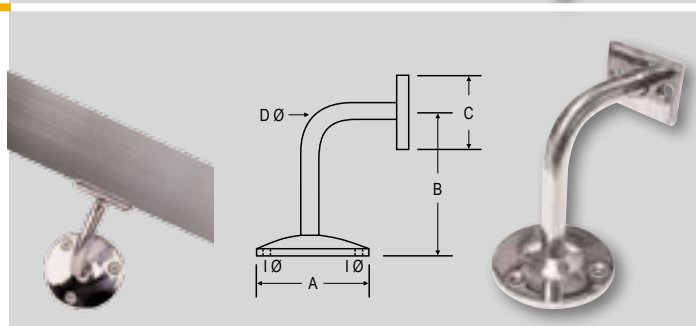
| Code       | A  | B  | C  | D  | L  | R  | Wgt  |
|------------|----|----|----|----|----|----|------|
| AWR2028A-S | 63 | 85 | 31 | 12 | 40 | 2" | 280g |



### HANDRAIL SUPPORT "FLAT TOP" AISI 316

- Three hole handrail support designed for fixing to any type of wall
- Flat top with countersunk holes allows a handrail to be attached without the need for welding

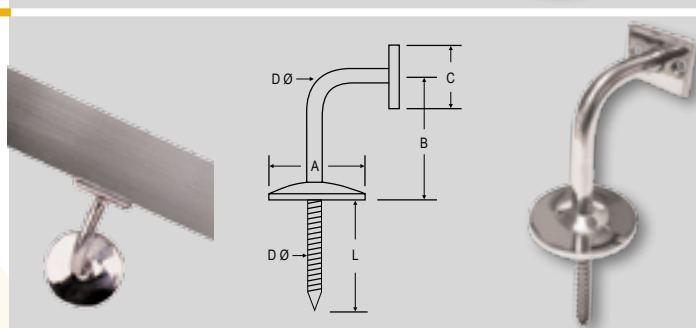
| Code     | A  | B  | C  | D  | I   | Wgt  |
|----------|----|----|----|----|-----|------|
| AWR2029A | 63 | 85 | 31 | 12 | 5.5 | 243g |



### H/RAIL SUPPORT W/- COACH SCREW "FLAT TOP" AISI 316

- Coach screw fix handrail support designed for fixing into timber stud wall
- The flat top with countersunk holes allows a handrail to be attached without the need for welding

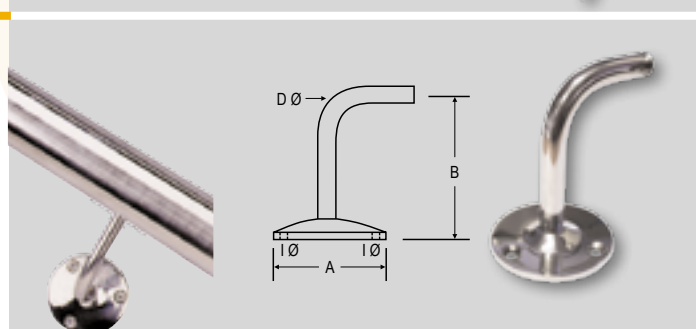
| Code       | A  | B  | C  | D  | L  | Wgt  |
|------------|----|----|----|----|----|------|
| AWR2029A-S | 63 | 85 | 31 | 12 | 60 | 280g |



### HANDRAIL SUPPORT W/OUT TOP AISI 316

- Three hole handrail support designed for fixing to any type of wall
- Unradiused fitting allows any handrail to be welded or fastened to the bracket

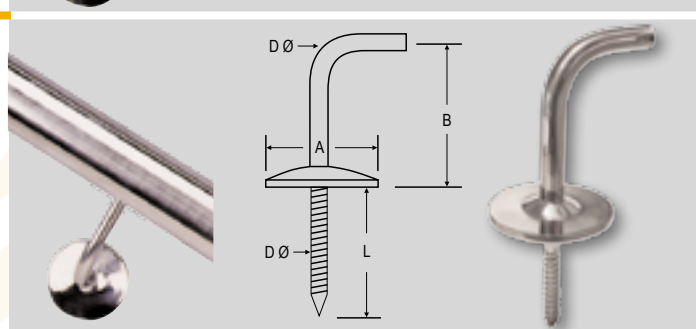
| Code       | A  | B  | D  | I   | Wgt  |
|------------|----|----|----|-----|------|
| AWR2028A-B | 63 | 85 | 12 | 5.5 | 235g |



### H/RAIL SUPP. W/- COACH SCREW W/OUT TOP AISI 316

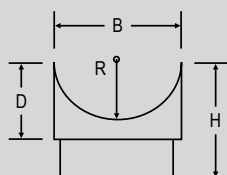
- Coach screw fix handrail support designed for fixing into timber stud wall
- Unradiused fitting allows any handrail to be welded or fastened to the bracket

| Code         | A  | B  | D  | L  | Wgt  |
|--------------|----|----|----|----|------|
| AWR2028A-S-B | 63 | 85 | 12 | 60 | 255g |



See page 65 for glass handrail supports

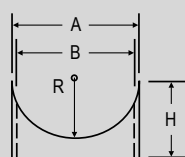
Other sizes available on request



### PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

- Join posts to a horizontal h/rail or join horizontal h/rails to vertical posts
- All joiners are radiused to suit the top handrail as below specifications
- Fix joiners to the top h/rail with screws or rivets through the underneath internal

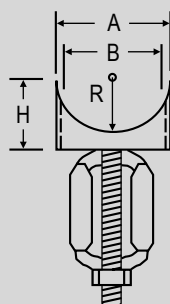
| Code     | Tube Ø | Wall | B    | D  | H  | R  | Wgt  |
|----------|--------|------|------|----|----|----|------|
| AWR2027A | 2"     | 1.5  | 50.8 | 32 | 57 | 2" | 156g |



### PERPENDICULAR JOINER "EXTERNAL CAP" AISI 316

- Suitable for joining vertical posts to horizontal handrails
- The external fit negates the need for a true flat tube cut

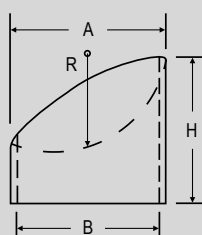
| Code      | Tube Ø | A    | B    | H  | R  | Wgt  |
|-----------|--------|------|------|----|----|------|
| AWR20313A | 2"     | 55.0 | 51.5 | 39 | 2" | 101g |



### PERP. JOINER EXPANDING CAGE "EXTERNAL FIT" AISI 316

- External fit joiner cap and expanding internal cage
- Suitable for joining posts to handrails or mid rails to posts
- Insert the cage into the tube, hold the cap and turn the post until the cap is tight
- The external fit negates the need for a true flat tube cut

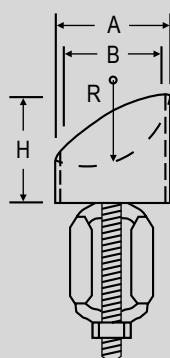
| Code       | Tube Ø | A    | B    | H  | R  | Wgt  |
|------------|--------|------|------|----|----|------|
| AWR20313AL | 2"     | 55.0 | 51.5 | 39 | 2" | 188g |



### PERPENDICULAR JOINER "37° EXTERNAL CAP" AISI 316

- Suitable for joining vertical posts to angled stairway handrails
- The external fit negates the need for a true flat tube cut

| Code      | Tube Ø | A    | B    | H  | R  | Wgt  |
|-----------|--------|------|------|----|----|------|
| AWR20314A | 2"     | 56.0 | 51.4 | 56 | 2" | 188g |



### PERP. JOINER EXPANDING "37° EXTERNAL CAP" AISI 316

- Suitable for joining vertical posts to angled stairway handrails
- The external fit negates the need for a true flat tube cut

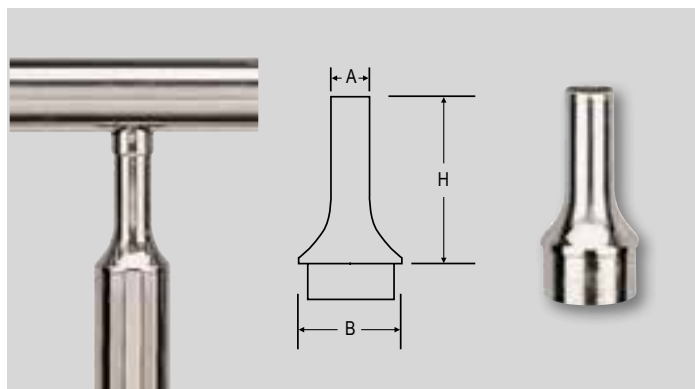
| Code       | Tube Ø | A    | B    | H  | R  | Wgt  |
|------------|--------|------|------|----|----|------|
| AWR20314AL | 2"     | 56.0 | 51.4 | 56 | 2" | 200g |

## POST REDUCERS

### POST REDUCER "TAPERED" AISI 316

- Flush fitting slimline post top reducer for a decorative look
- Use with AWR10314AL-2 or AWR1027A-2 to join to horizontal h/rail or AWR10314AL-2 to a stairway h/rail
- If using a timber top rail use a AWR1014A

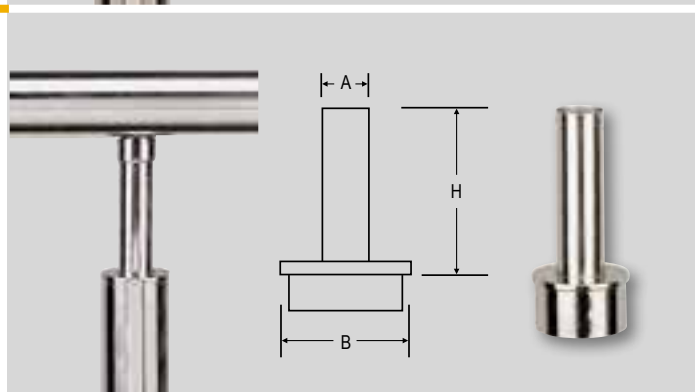
| Code     | Tube Ø | Wall | A  | B    | H  | Wgt  |
|----------|--------|------|----|------|----|------|
| AWR2020A | 2"     | 1.5  | 1" | 50.8 | 81 | 194g |



### POST REDUCER "FLAT" AISI 316

- Flush fitting slimline post top reducer for a decorative look
- Use with AWR10314AL-2 or AWR1027A-2 to join to horizontal h/rail or AWR10314AL-2 to a stairway h/rail
- If using a timber top rail use a AWR1014A

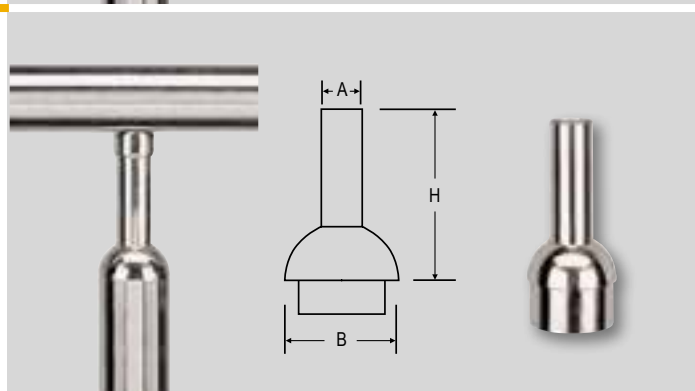
| Code     | Tube Ø | Wall | A  | B    | H    | Wgt  |
|----------|--------|------|----|------|------|------|
| AWR2022A | 2"     | 1.5  | 1" | 50.8 | 87.5 | 167g |



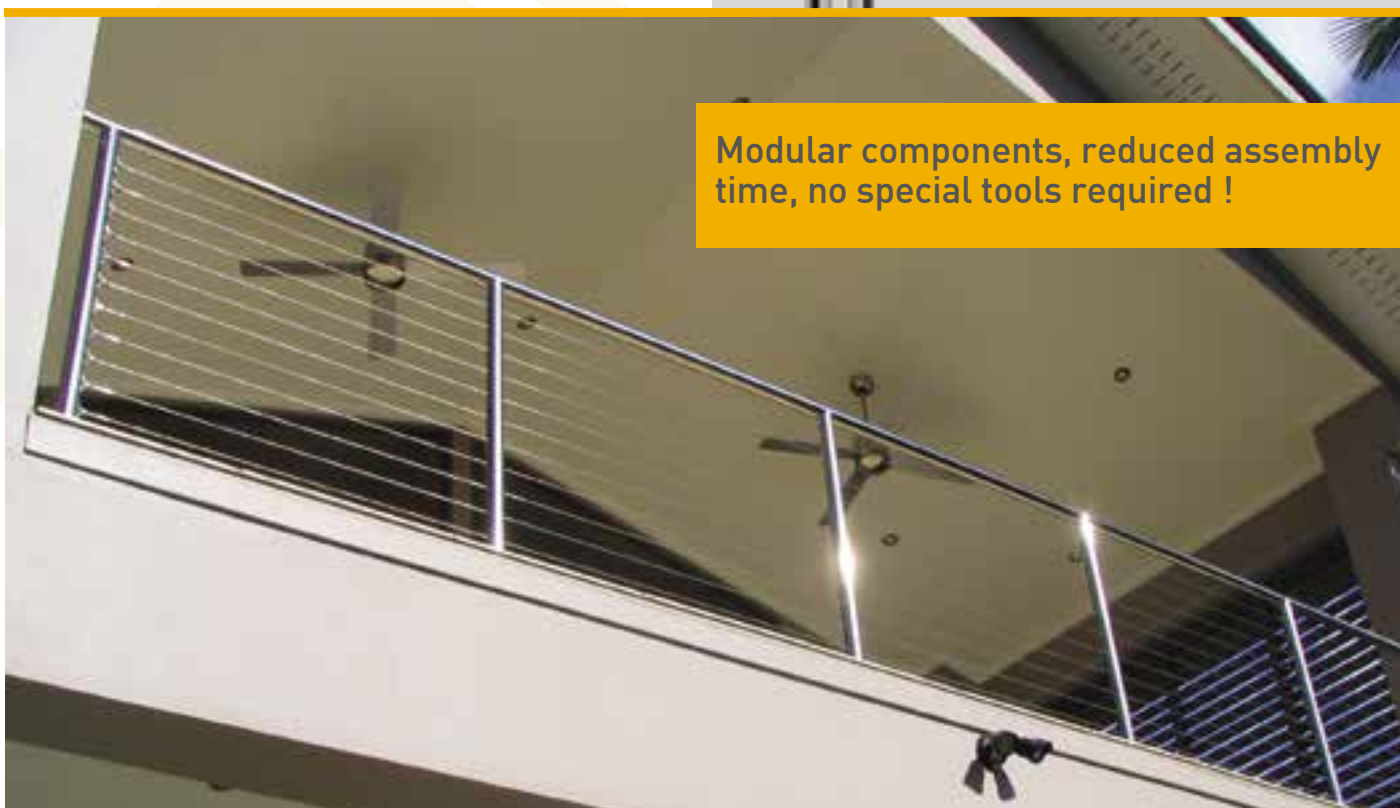
### POST REDUCER "DOME" AISI 316

- Flush fitting slimline post top reducer for a decorative look
- Use with AWR10314AL-2 or AWR1027A-2 to join to horizontal h/rail or AWR10314AL-2 to a stairway h/rail
- If using a timber top rail use a AWR1014A

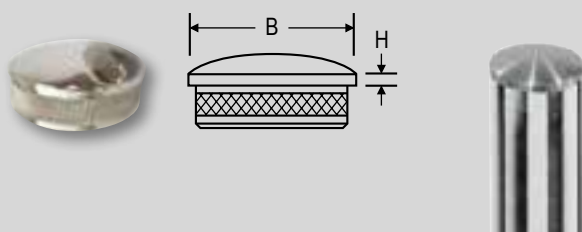
| Code     | Tube Ø | Wall | A  | B    | H    | Wgt  |
|----------|--------|------|----|------|------|------|
| AWR2012A | 2"     | 1.5  | 1" | 50.8 | 87.5 | 207g |



Modular components, reduced assembly time, no special tools required !



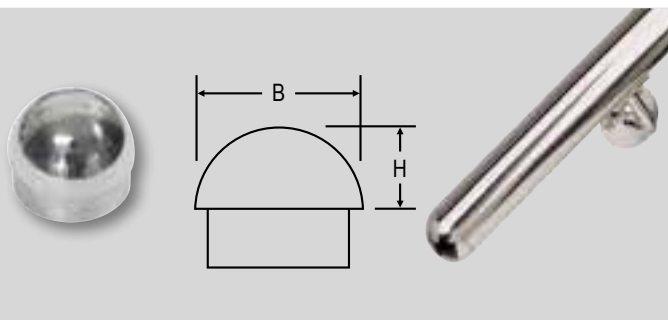
Other sizes available on request



### END CAP "SELF GRIP" AISI 316

- A popular cast, intermediate dome cap with knurled grip for fit into tube

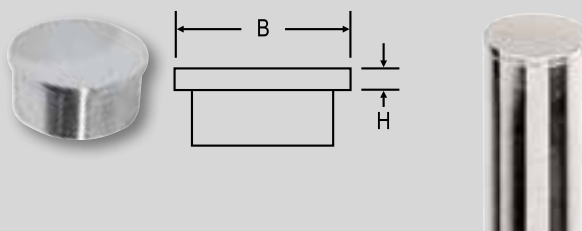
| Code     | Tube Ø | Wall | B    | H   | Wgt  |
|----------|--------|------|------|-----|------|
| AWR2017A | 2"     | 1.5  | 50.8 | 2.5 | 125g |



### END CAP "DOME" AISI 316

- A popular cast dome cap, used for handrail ends or freestanding post tops

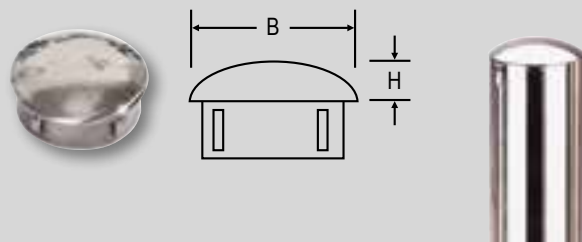
| Code     | Tube Ø | Wall | B    | H  | Wgt  |
|----------|--------|------|------|----|------|
| AWR2018A | 2"     | 1.5  | 50.8 | 25 | 150g |



### END CAP "FLAT" AISI 316

- A popular cast true flat end cap, used for handrail ends or freestanding post tops

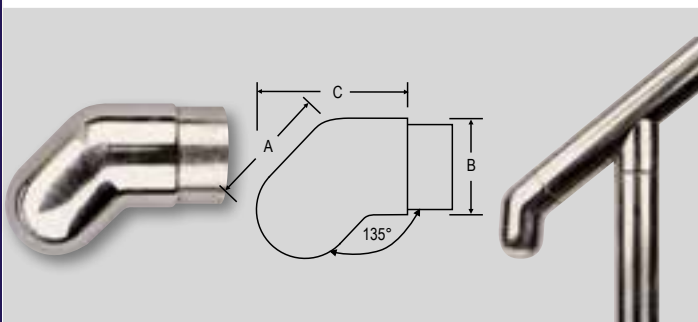
| Code     | Tube Ø | Wall | B    | H   | Wgt |
|----------|--------|------|------|-----|-----|
| AWR2019A | 2"     | 1.5  | 50.8 | 4.0 | 85g |



### END CAP "LIGHT KNOCK-IN" AISI 316

- Attractive self holding, slightly domed end cap
- A soft faced hammer is used to tap these in place
- Suitable for handrail ends or freestanding post tops

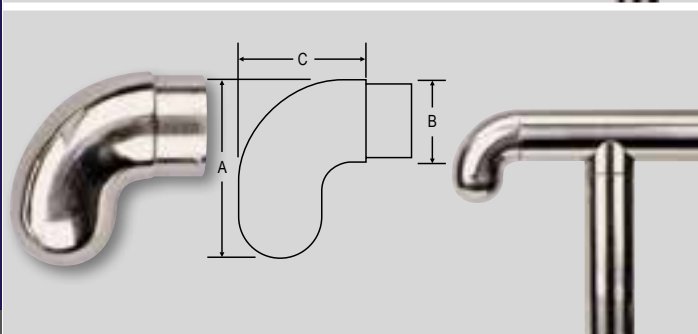
| CODE     | Tube Ø | Wall | B    | H   | Wgt |
|----------|--------|------|------|-----|-----|
| AWR2030A | 2"     | 1.5  | 50.8 | 8.0 | 30g |



### HANDRAIL END "45°" AISI 316

- A 45° cast handrail end mainly used for stairway handrail terminations

| Code     | Tube Ø | Wall | A  | B    | C  | Wgt  |
|----------|--------|------|----|------|----|------|
| AWR2025A | 2"     | 1.5  | 70 | 50.8 | 83 | 400g |



### HANDRAIL END "90°" AISI 316

- A 90° cast handrail end mainly used for stairway handrail terminations

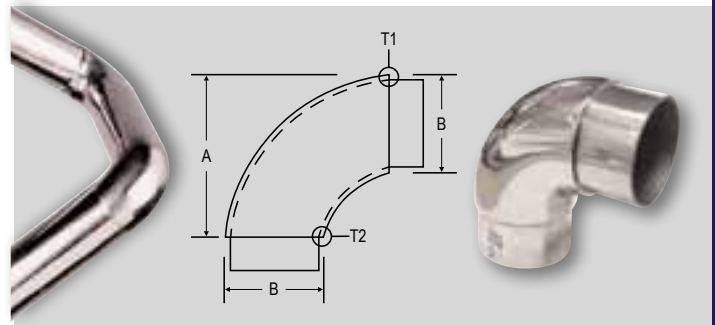
| Code     | Tube Ø | Wall | A  | B    | C  | Wgt  |
|----------|--------|------|----|------|----|------|
| AWR2026A | 2"     | 1.5  | 89 | 50.8 | 70 | 420g |

## HEAVY DUTY COMPONENTS

### FLUSH JOINER "90°" RADIUS "HEAVY DUTY" AISI 316

- Contains 2mm wall thickness (bottom only) for applications requiring additional strength
- Ideal for corner/intermediate posts where tension is imposed on more than one side

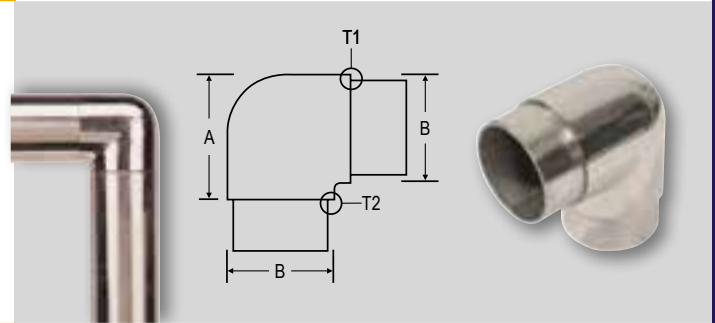
| Code       | Tube Ø | Wall    | A  | B    | T1  | T2  | Wgt  |
|------------|--------|---------|----|------|-----|-----|------|
| AWR2001E-2 | 2"     | 1.5/2.0 | 65 | 50.8 | 1.5 | 2.0 | 395g |



### FLUSH JOINER "90°" "HEAVY DUTY" AISI 316

- Contains 2mm wall thickness (bottom only) for applications requiring additional strength
- Ideal for corner/intermediate posts where tension is imposed on more than one side

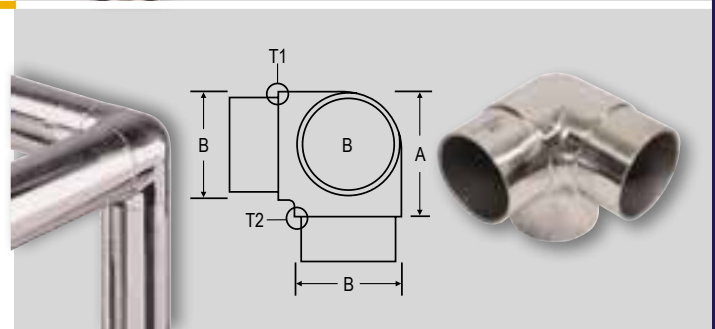
| Code       | Tube Ø | Wall    | A  | B    | T1  | T2  | Wgt  |
|------------|--------|---------|----|------|-----|-----|------|
| AWR2002E-2 | 2"     | 1.5/2.0 | 61 | 50.8 | 1.5 | 2.0 | 405g |



### FLUSH JOINER "90° TEE" "HEAVY DUTY" AISI 316

- Contains 2mm wall thickness (bottom only) for applications requiring additional strength
- Ideal for corner/intermediate posts where tension is imposed on more than one side

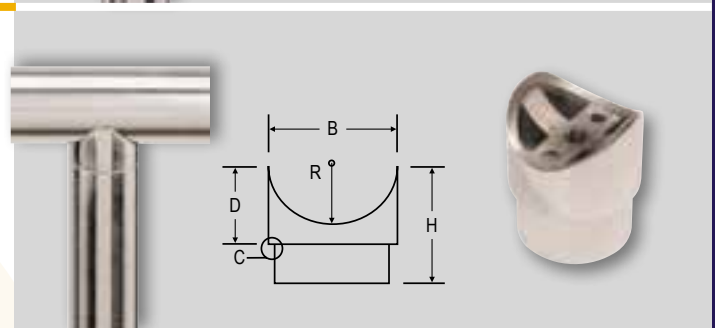
| Code       | Tube Ø | Wall    | A  | B    | T1  | T2  | Wgt  |
|------------|--------|---------|----|------|-----|-----|------|
| AWR2006E-2 | 2"     | 1.5/2.0 | 61 | 50.8 | 1.5 | 2.0 | 450g |



### PERPENDICULAR JOINER "FLUSH FITTING" "HEAVY DUTY" AISI 316

- Join posts to a horizontal h/rail or join horizontal h/rail to vertical posts
- Fix joiners to the top h/rail with screws or rivets through the underneath internal
- Contains 2mm wall thickness (bottom only) for applications requiring additional strength
- Ideal for corner/intermediate posts where tension is imposed on more than one side

| Code       | Tube Ø | Wall    | B    | C   | D  | H  | R  | Wgt  |
|------------|--------|---------|------|-----|----|----|----|------|
| AWR2027A-2 | 2"     | 1.5/2.0 | 50.8 | 2.0 | 31 | 55 | 2" | 104g |



Heavy duty components are ideal for corner posts

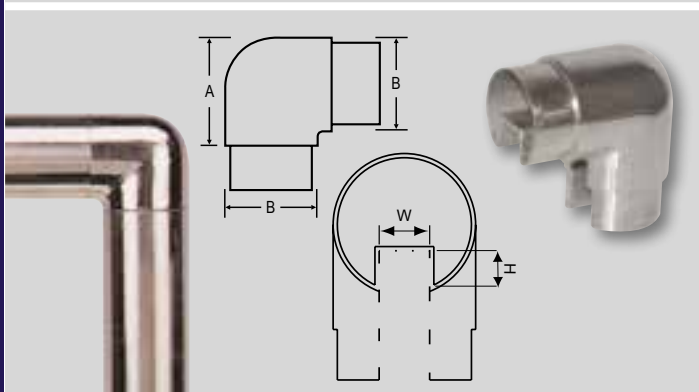




### ROUND SLOTTED TUBE BLANKING STRIP AISI 316

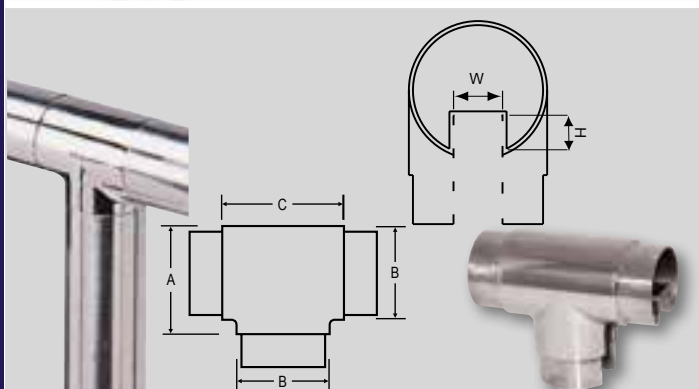
- Cut to size and fill in any gaps to complete handrails

| Code          | Tube Ø | Suit Slot | Wall | Polish | Lgth   | W  | Wgt   |
|---------------|--------|-----------|------|--------|--------|----|-------|
| AWRRSST-STRIP | 2"     | 15        | 1.5  | 600g   | 2.5mtr | 15 | 1.5kg |



### FLUSH JOINER "90°" AISI 316

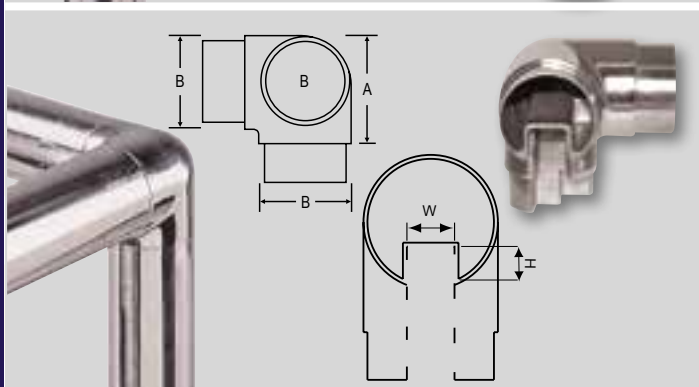
| Code         | Tube Ø        | Wall | A  | B    | H  | W  | Wgt  |
|--------------|---------------|------|----|------|----|----|------|
| AWRRSST-2002 | 2"single slot | 1.5  | 63 | 50.8 | 15 | 18 | 505g |



### FLUSH JOINER "TEE" AISI 316

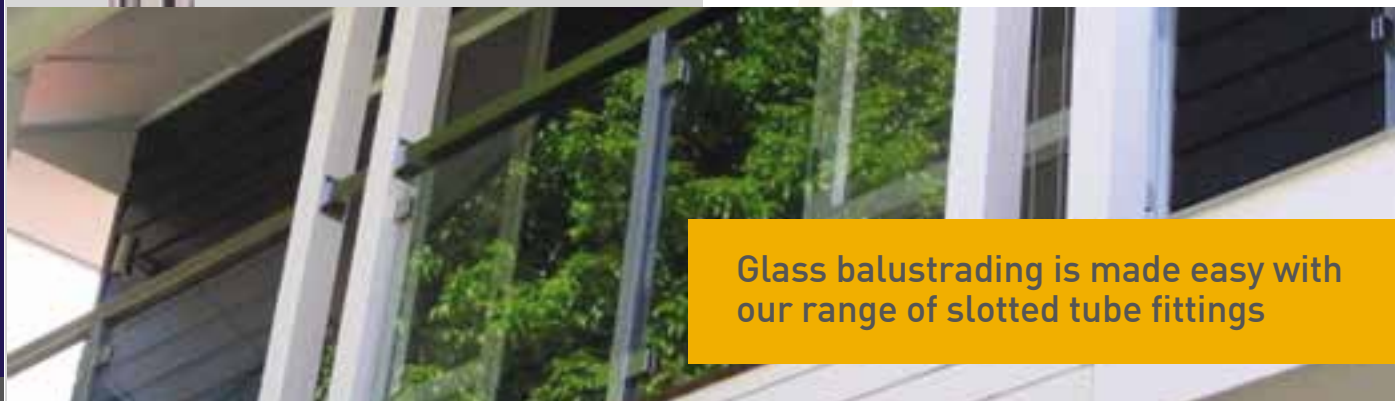
- Bottom section suits double slotted tube
- Top section suits single slotted tube

| Code         | Tube Ø            | Wall | A  | B    | C  | H  | W  | Wgt  |
|--------------|-------------------|------|----|------|----|----|----|------|
| AWRRDST-2005 | 2"dbl/single slot | 1.5  | 67 | 50.8 | 74 | 15 | 18 | 742g |



### FLUSH JOINER "90° TEE" AISI 316

| Code         | Tube Ø        | Wall | A  | B    | H  | W  | Wgt  |
|--------------|---------------|------|----|------|----|----|------|
| AWRRSST-2006 | 2"single slot | 1.5  | 66 | 50.8 | 15 | 18 | 695g |

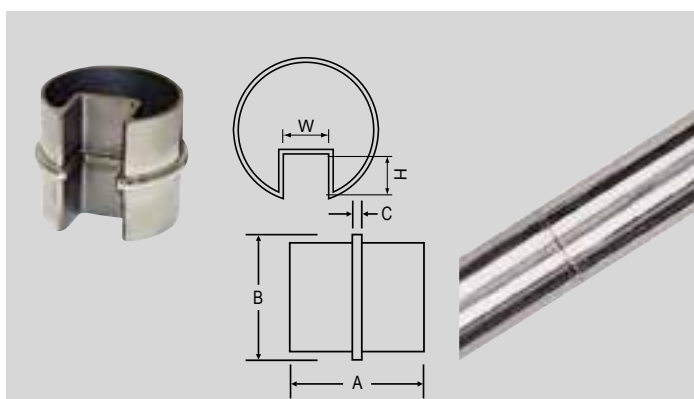


Glass balustrading is made easy with our range of slotted tube fittings

## SLOTTED FITTINGS

### FLUSH JOINER "IN LINE" AISI 316

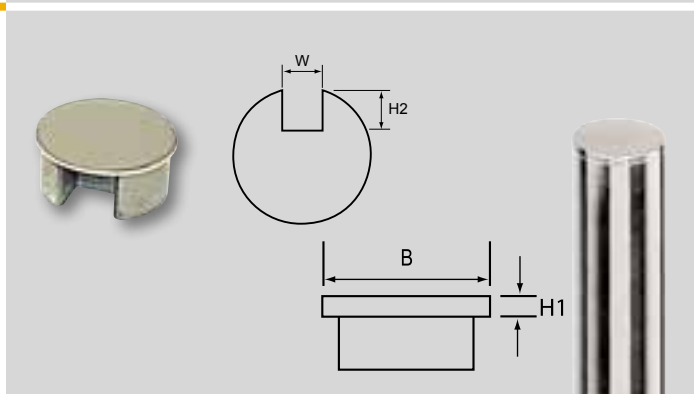
| Code         | Tube Ø         | Wall | A  | B    | C   | H  | W  | Wgt  |
|--------------|----------------|------|----|------|-----|----|----|------|
| AWRRSST-2004 | 2" single slot | 1.5  | 43 | 50.8 | 3.0 | 15 | 18 | 102g |



### END CAP "FLAT" AISI 316

• Use for handrail ends or freestanding post tops

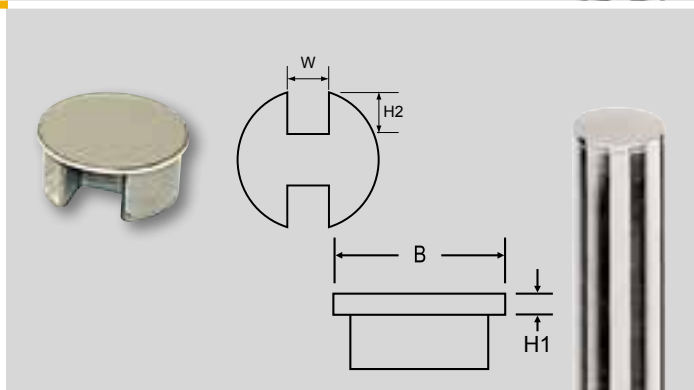
| Code         | Tube Ø         | Wall | B    | H1  | H2 | W  | Wgt |
|--------------|----------------|------|------|-----|----|----|-----|
| AWRRSST-2019 | 2" single slot | 1.5  | 50.8 | 3.0 | 15 | 18 | 95g |



### END CAP "FLAT" AISI 316

• Use for handrail ends or freestanding post tops

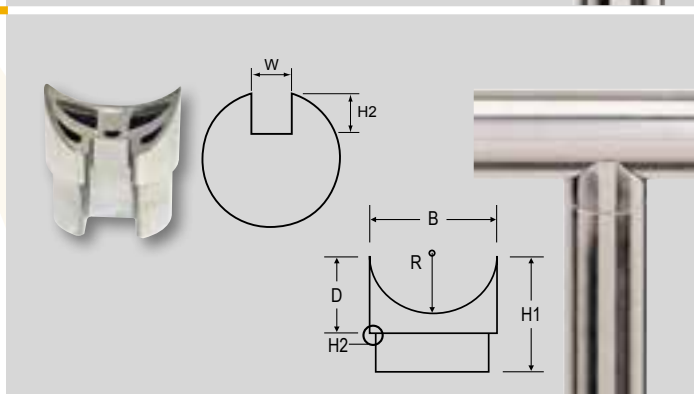
| Code         | Tube Ø      | Wall | B    | H1  | H2 | W  | Wgt  |
|--------------|-------------|------|------|-----|----|----|------|
| AWRRDST-2019 | 2" dbl slot | 1.5  | 50.8 | 3.0 | 15 | 18 | 113g |



### PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

- Join posts to a horizontal h/rail or join horizontal h/rail to vertical posts
- Fix joiners to the top h/rail with screws or rivets through the underneath internal

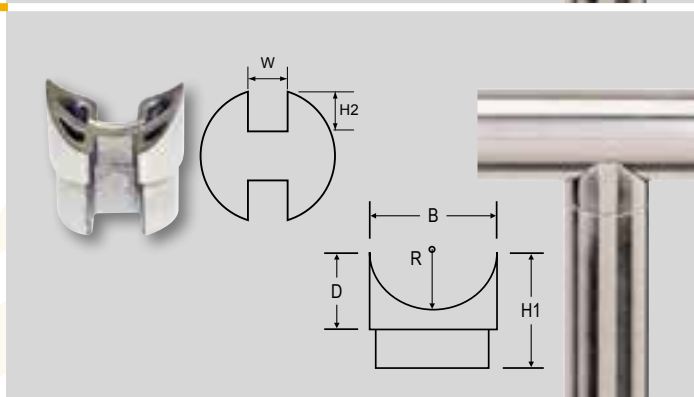
| Code         | Tube Ø         | Wall | B    | D  | H1 | H2 | W  | R  | Wgt  |
|--------------|----------------|------|------|----|----|----|----|----|------|
| AWRRSST-2027 | 2" single slot | 1.5  | 50.8 | 31 | 54 | 15 | 18 | 2" | 151g |



### PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

- Join posts to a horizontal h/rail or join horizontal h/rail to vertical posts
- Fix joiners to the top h/rail with screws or rivets through the underneath internal

| Code         | Tube Ø      | Wall | B    | D  | H1 | H2 | R  | W  | Wgt  |
|--------------|-------------|------|------|----|----|----|----|----|------|
| AWRRDST-2027 | 2" dbl slot | 1.5  | 50.8 | 30 | 53 | 15 | 2" | 18 | 195g |





AWR2016A



AWR2014A



AWR2014L



AWR2002E



AWR2027A



AWR20315A



AWR20315AP



AWR2006E



### 2" ROUND POST - HIGH POLISH WITH ROUND BASE PLATE FLANGE WITH SADDLES

- Posts made to suit 1Mtr high handrail with welded Base Plate Flange
- End and Corner posts have saddles pop riveted onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code             | Description       | Fixing  | Base     | Top        |
|------------------|-------------------|---------|----------|------------|
| BP-RES-6-2016A   | 2" Round End Post | Saddles | AWR2016A | AWR2016A   |
| BP-RES-6-2014A   | 2" Round End Post | Saddles | AWR2016A | AWR2014A   |
| BP-RES-6-20315AP | 2" Round End Post | Saddles | AWR2016A | AWR20315AP |
| BP-RES-6-20315A  | 2" Round End Post | Saddles | AWR2016A | AWR20315A  |
| BP-RES-6-2027A   | 2" Round End Post | Saddles | AWR2016A | AWR2027A   |
| BP-RES-6-2002E   | 2" Round End Post | Saddles | AWR2016A | AWR2002E   |

| Code             | Description          | Fixing  | Base     | Top        |
|------------------|----------------------|---------|----------|------------|
| BP-RCS-6-2016A   | 2" Round Corner Post | Saddles | AWR2016A | AWR2016A   |
| BP-RCS-6-2014A   | 2" Round Corner Post | Saddles | AWR2016A | AWR2014A   |
| BP-RCS-6-2014L   | 2" Round Corner Post | Saddles | AWR2016A | AWR2014L   |
| BP-RCS-6-20315AP | 2" Round Corner Post | Saddles | AWR2016A | AWR20315AP |
| BP-RCS-6-2006E   | 2" Round Corner Post | Saddles | AWR2016A | AWR2006E   |

| Code            | Description                | Base     | Top        |
|-----------------|----------------------------|----------|------------|
| BP-RI-6-2016A   | 2" Round Intermediate Post | AWR2016A | AWR2016A   |
| BP-RI-6-2014A   | 2" Round Intermediate Post | AWR2016A | AWR2014A   |
| BP-RI-6-20315AP | 2" Round Intermediate Post | AWR2016A | AWR20315AP |
| BP-RI-6-20315A  | 2" Round Intermediate Post | AWR2016A | AWR20315A  |
| BP-RI-6-2027A   | 2" Round Intermediate Post | AWR2016A | AWR2027A   |

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AWR2016A



AWR2014A



AWR2014L



AWR2002E



AWR2027A



AWR20315A



AWR20315AP



AWR2006E



### 2" ROUND POST - HIGH POLISH WITH ROUND BASE PLATE FLANGE WITH NUTSERTS

- Posts made to suit 1Mtr high handrail with welded Base Plate Flange
- End and Corner posts have nutserts installed onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code             | Description       | Fixing   | Base     | Top        |
|------------------|-------------------|----------|----------|------------|
| BP-REN-6-2016A   | 2" Round End Post | Nutserts | AWR2016A | AWR2016A   |
| BP-REN-6-2014A   | 2" Round End Post | Nutserts | AWR2016A | AWR2014A   |
| BP-REN-6-20315AP | 2" Round End Post | Nutserts | AWR2016A | AWR20315AP |
| BP-REN-6-20315A  | 2" Round End Post | Nutserts | AWR2016A | AWR20315A  |
| BP-REN-6-2027A   | 2" Round End Post | Nutserts | AWR2016A | AWR2027A   |
| BP-REN-6-2002E   | 2" Round End Post | Nutserts | AWR2016A | AWR2002E   |

| Code             | Description          | Fixing   | Base     | Top        |
|------------------|----------------------|----------|----------|------------|
| BP-RCN-6-2016A   | 2" Round Corner Post | Nutserts | AWR2016A | AWR2016A   |
| BP-RCN-6-2014A   | 2" Round Corner Post | Nutserts | AWR2016A | AWR2014A   |
| BP-RCN-6-2014L   | 2" Round Corner Post | Nutserts | AWR2016A | AWR2014L   |
| BP-RCN-6-20315AP | 2" Round Corner Post | Nutserts | AWR2016A | AWR20315AP |
| BP-RCN-6-2006E   | 2" Round Corner Post | Nutserts | AWR2016A | AWR2006E   |

| Code            | Description                | Base     | Top        |
|-----------------|----------------------------|----------|------------|
| BP-RI-6-2016A   | 2" Round Intermediate Post | AWR2016A | AWR2016A   |
| BP-RI-6-2014A   | 2" Round Intermediate Post | AWR2016A | AWR2014A   |
| BP-RI-6-20315AP | 2" Round Intermediate Post | AWR2016A | AWR20315AP |
| BP-RI-6-20315A  | 2" Round Intermediate Post | AWR2016A | AWR20315A  |
| BP-RI-6-2027A   | 2" Round Intermediate Post | AWR2016A | AWR2027A   |

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## ROUND WIRE BALUSTRADE POSTS

### 2" ROUND POST - HIGH POLISH WITH ROUND BASE PLATE AND COVER WITH SADDLES

- Posts made to suit 1Mtr high handrail with welded Base and Cover Plate
- End and Corner posts have saddles pop riveted onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code             | Description       | Fixing  | Base     | Top        |
|------------------|-------------------|---------|----------|------------|
| BP-RES-1-2016A   | 2" Round End Post | Saddles | AWR2001A | AWR2016A   |
| BP-RES-1-2014A   | 2" Round End Post | Saddles | AWR2001A | AWR2014A   |
| BP-RES-1-20315AP | 2" Round End Post | Saddles | AWR2001A | AWR20315AP |
| BP-RES-1-20315A  | 2" Round End Post | Saddles | AWR2001A | AWR20315A  |
| BP-RES-1-2027A   | 2" Round End Post | Saddles | AWR2001A | AWR2027A   |
| BP-RES-1-2002E   | 2" Round End Post | Saddles | AWR2001A | AWR2002E   |

| Code             | Description          | Fixing  | Base     | Top        |
|------------------|----------------------|---------|----------|------------|
| BP-RCS-1-2016A   | 2" Round Corner Post | Saddles | AWR2001A | AWR2016A   |
| BP-RCS-1-2014A   | 2" Round Corner Post | Saddles | AWR2001A | AWR2014A   |
| BP-RCS-1-2014L   | 2" Round Corner Post | Saddles | AWR2001A | AWR2014L   |
| BP-RCS-1-20315AP | 2" Round Corner Post | Saddles | AWR2001A | AWR20315AP |
| BP-RCS-1-2006E   | 2" Round Corner Post | Saddles | AWR2001A | AWR2006E   |

| Code            | Description                | Base     | Top        |
|-----------------|----------------------------|----------|------------|
| BP-RI-1-2016A   | 2" Round Intermediate Post | AWR2001A | AWR2016A   |
| BP-RI-1-2014A   | 2" Round Intermediate Post | AWR2001A | AWR2014A   |
| BP-RI-1-20315AP | 2" Round Intermediate Post | AWR2001A | AWR20315AP |
| BP-RI-1-20315A  | 2" Round Intermediate Post | AWR2001A | AWR20315A  |
| BP-RI-1-2027A   | 2" Round Intermediate Post | AWR2001A | AWR2027A   |

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### 2" ROUND POST - HIGH POLISH WITH ROUND BASE PLATE AND COVER WITH NUTSERTS

- Posts made to suit 1Mtr high handrail with welded Base and Cover Plate
- End and Corner posts have nutserts installed onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code             | Description       | Fixing   | Base     | Top        |
|------------------|-------------------|----------|----------|------------|
| BP-REN-1-2016A   | 2" Round End Post | Nutserts | AWR2001A | AWR2016A   |
| BP-REN-1-2014A   | 2" Round End Post | Nutserts | AWR2001A | AWR2014A   |
| BP-REN-1-20315AP | 2" Round End Post | Nutserts | AWR2001A | AWR20315AP |
| BP-REN-1-20315A  | 2" Round End Post | Nutserts | AWR2001A | AWR20315A  |
| BP-REN-1-2027A   | 2" Round End Post | Nutserts | AWR2001A | AWR2027A   |
| BP-REN-1-2002E   | 2" Round End Post | Nutserts | AWR2001A | AWR2002E   |

| Code             | Description          | Fixing   | Base     | Top        |
|------------------|----------------------|----------|----------|------------|
| BP-RCN-1-2016A   | 2" Round Corner Post | Nutserts | AWR2001A | AWR2016A   |
| BP-RCN-1-2014A   | 2" Round Corner Post | Nutserts | AWR2001A | AWR2014A   |
| BP-RCN-1-2014L   | 2" Round Corner Post | Nutserts | AWR2001A | AWR2014L   |
| BP-RCN-1-20315AP | 2" Round Corner Post | Nutserts | AWR2001A | AWR20315AP |
| BP-RCN-1-2006E   | 2" Round Corner Post | Nutserts | AWR2001A | AWR2006E   |

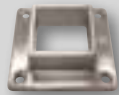
| Code            | Description                | Base     | Top        |
|-----------------|----------------------------|----------|------------|
| BP-RI-1-2016A   | 2" Round Intermediate Post | AWR2001A | AWR2016A   |
| BP-RI-1-2014A   | 2" Round Intermediate Post | AWR2001A | AWR2014A   |
| BP-RI-1-20315AP | 2" Round Intermediate Post | AWR2001A | AWR20315AP |
| BP-RI-1-20315A  | 2" Round Intermediate Post | AWR2001A | AWR20315A  |
| BP-RI-1-2027A   | 2" Round Intermediate Post | AWR2001A | AWR2027A   |

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AWRSST-2016



AWRSST-2014



AWRSST-315AP



AWRSST-2020



AWRSST-2002



AWRSST-2006



AWRSST-2027



AWRSST-2022



### 2" SQUARE POST - SATIN FINISH WITH BASE PLATE FLANGE AND SADDLES

- Posts made to suit 1Mtr high handrail with welded Base Plate Flange
- End and Corner posts have saddles pop riveted onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code            | Description | Fixing  | Base        | Top          |
|-----------------|-------------|---------|-------------|--------------|
| BP-SSES-6-2016  | End Post    | Saddles | AWRSST-2016 | AWRSST-2016  |
| BP-SSES-6-2014  | End Post    | Saddles | AWRSST-2016 | AWRSST-2014  |
| BP-SSES-6-315AP | End Post    | Saddles | AWRSST-2016 | AWRSST-315AP |
| BP-SSES-6-2002  | End Post    | Saddles | AWRSST-2016 | AWRSST-2002  |
| BP-SSES-6-2020  | End Post    | Saddles | AWRSST-2016 | AWRSST-2020  |

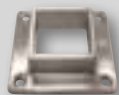
| Code            | Description | Fixing  | Base        | Top          |
|-----------------|-------------|---------|-------------|--------------|
| BP-SSCS-6-2016  | Corner Post | Saddles | AWRSST-2016 | AWRSST-2016  |
| BP-SSCS-6-2014  | Corner Post | Saddles | AWRSST-2016 | AWRSST-2014  |
| BP-SSCS-6-315AP | Corner Post | Saddles | AWRSST-2016 | AWRSST-315AP |
| BP-SSCS-6-2006  | Corner Post | Saddles | AWRSST-2016 | AWRSST-2006  |
| BP-SSCS-6-2022  | Corner Post | Saddles | AWRSST-2016 | AWRSST-2022  |

| Code           | Description       | Base        | Top          |
|----------------|-------------------|-------------|--------------|
| BP-SSI-6-2016  | Intermediate Post | AWRSST-2016 | AWRSST-2016  |
| BP-SSI-6-2014  | Intermediate Post | AWRSST-2016 | AWRSST-2014  |
| BP-SSI-6-315AP | Intermediate Post | AWRSST-2016 | AWRSST-315AP |
| BP-SSI-6-2027  | Intermediate Post | AWRSST-2016 | AWRSST-2027  |
| BP-SSI-6-2020  | Intermediate Post | AWRSST-2016 | AWRSST-2020  |

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AWRSST-2016



AWRSST-2014



AWRSST-315AP



AWRSST-2020



AWRSST-2002



AWRSST-2006



AWRSST-2027



AWRSST-2022



### 2" SQUARE POST - SATIN FINISH WITH BASE PLATE FLANGE AND NUTSERTS

- Posts made to suit 1Mtr high handrail with welded Base Plate Flange
- End and Corner posts have nutserts installed onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code            | Description | Fixing   | Base        | Top          |
|-----------------|-------------|----------|-------------|--------------|
| BP-SSEN-6-2016  | End Post    | Nutserts | AWRSST-2016 | AWRSST-2016  |
| BP-SSEN-6-2014  | End Post    | Nutserts | AWRSST-2016 | AWRSST-2014  |
| BP-SSEN-6-315AP | End Post    | Nutserts | AWRSST-2016 | AWRSST-315AP |
| BP-SSEN-6-2002  | End Post    | Nutserts | AWRSST-2016 | AWRSST-2002  |
| BP-SSEN-6-2020  | End Post    | Nutserts | AWRSST-2016 | AWRSST-2020  |

| Code            | Description | Fixing   | Base        | Top          |
|-----------------|-------------|----------|-------------|--------------|
| BP-SSCN-6-2016  | Corner Post | Nutserts | AWRSST-2016 | AWRSST-2016  |
| BP-SSCN-6-2014  | Corner Post | Nutserts | AWRSST-2016 | AWRSST-2014  |
| BP-SSCN-6-315AP | Corner Post | Nutserts | AWRSST-2016 | AWRSST-315AP |
| BP-SSCN-6-2006  | Corner Post | Nutserts | AWRSST-2016 | AWRSST-2006  |
| BP-SSCN-6-2022  | Corner Post | Nutserts | AWRSST-2016 | AWRSST-2022  |

| Code           | Description       | Base        | Top          |
|----------------|-------------------|-------------|--------------|
| BP-SSI-6-2016  | Intermediate Post | AWRSST-2016 | AWRSST-2016  |
| BP-SSI-6-2014  | Intermediate Post | AWRSST-2016 | AWRSST-2014  |
| BP-SSI-6-315AP | Intermediate Post | AWRSST-2016 | AWRSST-315AP |
| BP-SSI-6-2027  | Intermediate Post | AWRSST-2016 | AWRSST-2027  |
| BP-SSI-6-2020  | Intermediate Post | AWRSST-2016 | AWRSST-2020  |

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## SQUARE MIRROR WIRE BALUSTRADE POSTS

### 2" SQUARE POST - MIRROR FINISH WITH BASE PLATE FLANGE AND SADDLES

- Posts made to suit 1Mtr high handrail with welded Base Plate Flange
- End and Corner posts have saddles pop riveted onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code            | Description | Fixing  | Base        | Top          |
|-----------------|-------------|---------|-------------|--------------|
| BP-SMES-6-2016  | End Post    | Saddles | AWRMST-2016 | AWRMST-2016  |
| BP-SMES-6-2014  | End Post    | Saddles | AWRMST-2016 | AWRMST-2014  |
| BP-SMES-6-315AP | End Post    | Saddles | AWRMST-2016 | AWRMST-315AP |
| BP-SMES-6-2002  | End Post    | Saddles | AWRMST-2016 | AWRMST-2002  |
| BP-SMES-6-2020  | End Post    | Saddles | AWRMST-2016 | AWRMST-2020  |

| Code            | Description | Fixing  | Base        | Top          |
|-----------------|-------------|---------|-------------|--------------|
| BP-SMCS-6-2016  | Corner Post | Saddles | AWRMST-2016 | AWRMST-2016  |
| BP-SMCS-6-2014  | Corner Post | Saddles | AWRMST-2016 | AWRMST-2014  |
| BP-SMCS-6-315AP | Corner Post | Saddles | AWRMST-2016 | AWRMST-315AP |
| BP-SMCS-6-2006  | Corner Post | Saddles | AWRMST-2016 | AWRMST-2006  |
| BP-SMCS-6-2022  | Corner Post | Saddles | AWRMST-2016 | AWRMST-2022  |

| Code           | Description       | Base        | Top          |
|----------------|-------------------|-------------|--------------|
| BP-SMI-6-2016  | Intermediate Post | AWRMST-2016 | AWRMST-2016  |
| BP-SMI-6-2014  | Intermediate Post | AWRMST-2016 | AWRMST-2014  |
| BP-SMI-6-315AP | Intermediate Post | AWRMST-2016 | AWRMST-315AP |
| BP-SMI-6-2027  | Intermediate Post | AWRMST-2016 | AWRMST-2027  |
| BP-SMI-6-2020  | Intermediate Post | AWRMST-2016 | AWRMST-2020  |

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### 2" SQUARE POST - MIRROR FINISH WITH BASE PLATE FLANGE AND NUTSERTS

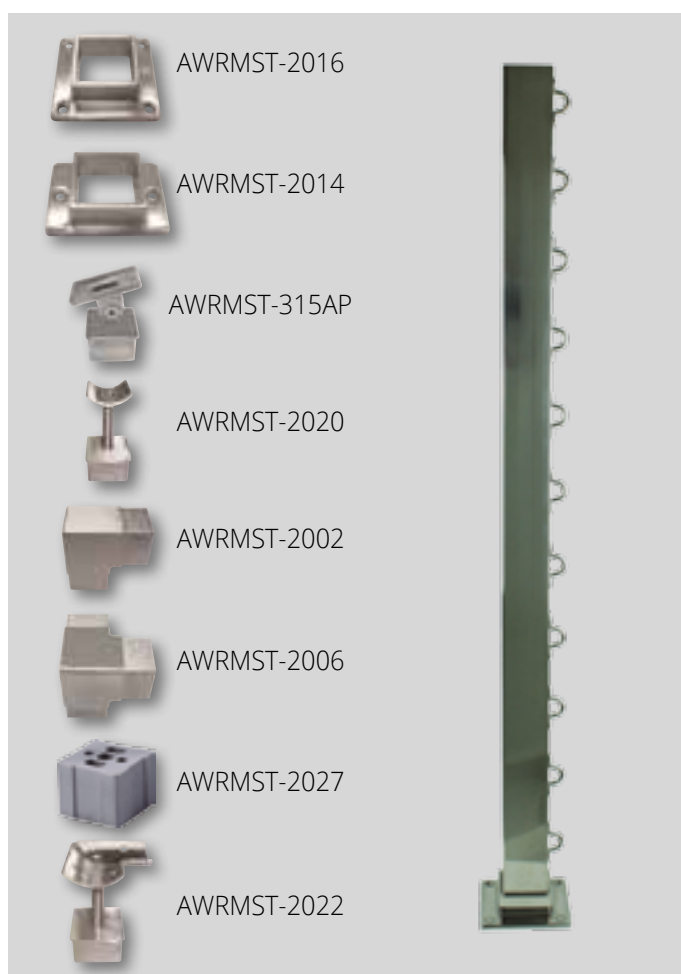
- Posts made to suit 1Mtr high handrail with welded Base Plate Flange
- End and Corner posts have nutserts installed onto post
- 11 wires equally spaced at 80mm centres
- Posts can be made to any height and wire spacing
- Please advise if alternative heights are required

| Code            | Description | Fixing   | Base        | Top          |
|-----------------|-------------|----------|-------------|--------------|
| BP-SMEN-6-2016  | End Post    | Nutserts | AWRMST-2016 | AWRMST-2016  |
| BP-SMEN-6-2014  | End Post    | Nutserts | AWRMST-2016 | AWRMST-2014  |
| BP-SMEN-6-315AP | End Post    | Nutserts | AWRMST-2016 | AWRMST-315AP |
| BP-SMEN-6-2002  | End Post    | Nutserts | AWRMST-2016 | AWRMST-2002  |
| BP-SMEN-6-2020  | End Post    | Nutserts | AWRMST-2016 | AWRMST-2020  |

| Code            | Description | Fixing   | Base        | Top          |
|-----------------|-------------|----------|-------------|--------------|
| BP-SMCN-6-2016  | Corner Post | Nutserts | AWRMST-2016 | AWRMST-2016  |
| BP-SMCN-6-2014  | Corner Post | Nutserts | AWRMST-2016 | AWRMST-2014  |
| BP-SMCN-6-315AP | Corner Post | Nutserts | AWRMST-2016 | AWRMST-315AP |
| BP-SMCN-6-2006  | Corner Post | Nutserts | AWRMST-2016 | AWRMST-2006  |
| BP-SMCN-6-2022  | Corner Post | Nutserts | AWRMST-2016 | AWRMST-2022  |

| Code           | Description       | Base        | Top          |
|----------------|-------------------|-------------|--------------|
| BP-SMI-6-2016  | Intermediate Post | AWRMST-2016 | AWRMST-2016  |
| BP-SMI-6-2014  | Intermediate Post | AWRMST-2016 | AWRMST-2014  |
| BP-SMI-6-315AP | Intermediate Post | AWRMST-2016 | AWRMST-315AP |
| BP-SMI-6-2027  | Intermediate Post | AWRMST-2016 | AWRMST-2027  |
| BP-SMI-6-2020  | Intermediate Post | AWRMST-2016 | AWRMST-2020  |

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# HANDRAIL SYSTEMS

## ROUND GLASS BALUSTRADE POSTS

H  
A  
N  
D  
R  
A  
I  
L



AWR2016A



AWR2014A



AWR2014L



AWR20315A



AWR2002E



AWR2027A



AWR20315A



AWR20315AP



AWR2006E



### 2" ROUND POST - HIGH POLISH WITH ROUND BASE PLATE FLANGE WITH GLASS CLAMPS

- Posts made to suit 1Mtr high handrail with base plate flange welded to base
- Glass clamps to suit 10mm glass
- Please advise if you require a specific height for post or glass clamps

| Code              | Description | Clamp          | Base     | Top        |
|-------------------|-------------|----------------|----------|------------|
| GBP-RES-6-2016A   | End Post    | 2 x AWRMGC-311 | AWR2016A | AWR2016A   |
| GBP-RES-6-2014A   | End Post    | 2 x AWRMGC-311 | AWR2016A | AWR2014A   |
| GBP-RES-6-20315AP | End Post    | 2 x AWRMGC-311 | AWR2016A | AWR20315AP |
| GBP-RES-6-20315A  | End Post    | 2 x AWRMGC-311 | AWR2016A | AWR20315A  |
| GBP-RES-6-2027A   | End Post    | 2 x AWRMGC-311 | AWR2016A | AWR2027A   |
| GBP-RES-6-2002E   | End Post    | 2 x AWRMGC-311 | AWR2016A | AWR2002E   |

| Code              | Description | Clamp          | Base     | Top        |
|-------------------|-------------|----------------|----------|------------|
| GBP-RCS-6-2016A   | Corner Post | 4 x AWRMGC-311 | AWR2016A | AWR2016A   |
| GBP-RCS-6-2014A   | Corner Post | 4 x AWRMGC-311 | AWR2016A | AWR2014A   |
| GBP-RCS-6-2014L   | Corner Post | 4 x AWRMGC-311 | AWR2016A | AWR2014L   |
| GBP-RCS-6-20315AP | Corner Post | 4 x AWRMGC-311 | AWR2016A | AWR20315AP |
| GBP-RCS-6-2006E   | Corner Post | 4 x AWRMGC-311 | AWR2016A | AWR2006E   |

| Code             | Description       | Clamp          | Base     | Top        |
|------------------|-------------------|----------------|----------|------------|
| GBP-RI-6-2016A   | Intermediate Post | 4 x AWRMGC-311 | AWR2016A | AWR2016A   |
| GBP-RI-6-2014A   | Intermediate Post | 4 x AWRMGC-311 | AWR2016A | AWR2014A   |
| GBP-RI-6-20315AP | Intermediate Post | 4 x AWRMGC-311 | AWR2016A | AWR20315AP |
| GBP-RI-6-20315A  | Intermediate Post | 4 x AWRMGC-311 | AWR2016A | AWR20315A  |
| GBP-RI-6-2027A   | Intermediate Post | 4 x AWRMGC-311 | AWR2016A | AWR2027A   |

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S  
Y  
S  
T  
E  
M  
S



AWR2016A



AWR2014A



AWR2014L



AWR20315A



AWR2002E



AWR2027A



AWR20315A



AWR20315AP



AWR2006E



### 2" ROUND POST - HIGH POLISH WITH ROUND BASE PLATE AND COVER WITH GLASS CLAMPS

- Posts made to suit 1Mtr high handrail with base plate and cover welded to base
- Glass clamps to suit 10mm glass
- Please advise if you require a specific height for post or glass clamps

| Code              | Description | Clamp          | Base     | Top        |
|-------------------|-------------|----------------|----------|------------|
| GBP-RES-1-2016A   | End Post    | 2 x AWRMGC-311 | AWR2001A | AWR2016A   |
| GBP-RES-1-2014A   | End Post    | 2 x AWRMGC-311 | AWR2001A | AWR2014A   |
| GBP-RES-1-20315AP | End Post    | 2 x AWRMGC-311 | AWR2001A | AWR20315AP |
| GBP-RES-1-20315A  | End Post    | 2 x AWRMGC-311 | AWR2001A | AWR20315A  |
| GBP-RES-1-2027A   | End Post    | 2 x AWRMGC-311 | AWR2001A | AWR2027A   |
| GBP-RES-1-2002E   | End Post    | 2 x AWRMGC-311 | AWR2001A | AWR2002E   |

| Code              | Description | Clamp          | Base     | Top        |
|-------------------|-------------|----------------|----------|------------|
| GBP-RCS-1-2016A   | Corner Post | 4 x AWRMGC-311 | AWR2001A | AWR2016A   |
| GBP-RCS-1-2014A   | Corner Post | 4 x AWRMGC-311 | AWR2001A | AWR2014A   |
| GBP-RCS-1-2014L   | Corner Post | 4 x AWRMGC-311 | AWR2001A | AWR2014L   |
| GBP-RCS-1-20315AP | Corner Post | 4 x AWRMGC-311 | AWR2001A | AWR20315AP |
| GBP-RCS-1-2006E   | Corner Post | 4 x AWRMGC-311 | AWR2001A | AWR2006E   |

| Code             | Description       | Clamp          | Base     | Top        |
|------------------|-------------------|----------------|----------|------------|
| GBP-RI-1-2016A   | Intermediate Post | 4 x AWRMGC-311 | AWR2001A | AWR2016A   |
| GBP-RI-1-2014A   | Intermediate Post | 4 x AWRMGC-311 | AWR2001A | AWR2014A   |
| GBP-RI-1-20315AP | Intermediate Post | 4 x AWRMGC-311 | AWR2001A | AWR20315AP |
| GBP-RI-1-20315A  | Intermediate Post | 4 x AWRMGC-311 | AWR2001A | AWR20315A  |
| GBP-RI-1-2027A   | Intermediate Post | 4 x AWRMGC-311 | AWR2001A | AWR2027A   |

Blank custom post refer to page 55



# HANDRAIL SYSTEMS

## PRE MADE INTERMEDIATE POSTS - SATIN 25mm Square

- Save time and money by using pre fabricated intermediate posts
- Custom sizes / raked for stairs available on request
- Satin finish 25mm Square Tube

| Code    | H   | D  | W  | C  | d Ø |
|---------|-----|----|----|----|-----|
| IP11960 | 960 | 25 | 25 | 80 | 8   |

## PRE MADE INTERMEDIATE POSTS - MIRROR 50 X 10 mm

- Save time and money by using pre fabricated intermediate posts
- Custom sizes / raked for stairs available on request
- Mirror Finish 50mm x 10mm Rectangle Tube

| Code    | H   | D  | W  | C  | d Ø |
|---------|-----|----|----|----|-----|
| INT5010 | 960 | 50 | 10 | 80 | 8   |

## PRE MADE INTERMEDIATE POSTS - SATIN 50 X 5 mm

- Save time and money by using pre fabricated intermediate posts
- Custom sizes / raked for stairs available on request
- Satin finish 50mm x 5mm Flat Bar

| Code      | H   | D  | W | C  | d Ø |
|-----------|-----|----|---|----|-----|
| IPFLAT505 | 960 | 50 | 5 | 80 | 8   |

## PRE DRILLED INTERMEDIATE POSTS - POLISHED 25 X 5MM FLAT BAR

- Save time and money by using pre drilled intermediate posts
- Polished 25 x 5mm flat bar
- Use with adjustable base plate

| Code      | H   | D  | W | C  | d Ø |
|-----------|-----|----|---|----|-----|
| IPFLAT255 | 960 | 25 | 5 | 80 | 8   |

## UN DRILLED INTERMEDIATE POSTS - POLISHED 25 X 5MM FLAT BAR

- Blank posts for custom hole spacing
- Polished 25 x 5mm flat bar
- Use with adjustable base plate

| Code        | H    | D  | W |
|-------------|------|----|---|
| IPFLAT255NH | 1000 | 25 | 5 |

## ADJUSTABLE BASE PLATES - POLISHED - SUIT 25 X 5MM FLAT BAR

- 25 x 5mm flat bar fits into opening (female fit)
- Use with polished 25 x 5mm flat bar
- Tighten with grub screw for height adjustment

| Code        | H  | D  | W  | d Ø |
|-------------|----|----|----|-----|
| IPFLAT255BP | 50 | 40 | 30 | 5.5 |

## ABBREVIATIONS IN FOR TECH DATA

H = Height of post  
 W = Width of post on front edge  
 D = Depth of post - ie front to back the face WHERE wires go through  
 C = Centre to Centre of hole spacings  
 d Ø = Diameter of holes

## BLANK POSTS

### 2" ROUND POST - BLANK - NO HOLES

| Code            | Description   | Base     | Top        |
|-----------------|---------------|----------|------------|
| BP-RB-6-2016A   | 2" Round Post | AWR2016A | AWR2016A   |
| BP-RB-6-2014A   | 2" Round Post | AWR2016A | AWR2014A   |
| BP-RB-6-20315AP | 2" Round Post | AWR2016A | AWR20315AP |
| BP-RB-6-20315A  | 2" Round Post | AWR2016A | AWR20315A  |
| BP-RB-6-2027A   | 2" Round Post | AWR2016A | AWR2027A   |
| BP-RB-6-2002E   | 2" Round Post | AWR2016A | AWR2002E   |
| BP-RB-6-2006E   | 2" Round Post | AWR2016A | AWR2006E   |



### 2" ROUND POST - BLANK - NO HOLES

| Code            | Description   | Base     | Top        |
|-----------------|---------------|----------|------------|
| BP-RB-1-2016A   | 2" Round Post | AWR2001A | AWR2016A   |
| BP-RB-1-2014A   | 2" Round Post | AWR2001A | AWR2014A   |
| BP-RB-1-20315AP | 2" Round Post | AWR2001A | AWR20315AP |
| BP-RB-1-20315A  | 2" Round Post | AWR2001A | AWR20315A  |
| BP-RB-1-2027A   | 2" Round Post | AWR2001A | AWR2027A   |
| BP-RB-1-2002E   | 2" Round Post | AWR2001A | AWR2002E   |
| BP-RB-1-2006E   | 2" Round Post | AWR2001A | AWR2006E   |



### 2" SATIN SQUARE POST - BLANK - NO HOLES

| Code           | Description          | Base        | Top          |
|----------------|----------------------|-------------|--------------|
| BP-SSB-6-2016  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2016  |
| BP-SSB-6-2014  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2014  |
| BP-SSB-6-315AP | 2" Satin Square Post | AWRSST-2016 | AWRSST-315AP |
| BP-SSB-6-2027  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2027  |
| BP-SSB-6-2020  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2020  |
| BP-SSB-6-2021  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2021  |
| BP-SSB-6-2022  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2022  |
| BP-SSB-6-2002  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2002  |
| BP-SSB-6-2006  | 2" Satin Square Post | AWRSST-2016 | AWRSST-2006  |



### 2" MIRROR SQUARE POST - BLANK - NO HOLES

| Code           | Description           | Base        | Top          |
|----------------|-----------------------|-------------|--------------|
| BP-SMB-6-2016  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2016  |
| BP-SMB-6-2014  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2014  |
| BP-SMB-6-315AP | 2" Mirror Square Post | AWRMST-2016 | AWRMST-315AP |
| BP-SMB-6-2027  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2027  |
| BP-SMB-6-2020  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2020  |
| BP-SMB-6-2021  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2021  |
| BP-SMB-6-2022  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2022  |
| BP-SMB-6-2002  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2002  |
| BP-SMB-6-2006  | 2" Mirror Square Post | AWRMST-2016 | AWRMST-2006  |





AWR2019A



### 2" ROUND POOL FENCE POST - HIGH POLISH WITH ROUND BASE PLATE FLANGE WITH GLASS CLAMPS

- Posts made to 1250mm high with base plate flange
- Glass clamps to suit 12mm glass
- Please advise if you require a specific height for post or position of glass clamps

| Code          | Description       | Clamp         | Base     | Top      |
|---------------|-------------------|---------------|----------|----------|
| PP-REP-6-2019 | End Post          | 2 x AWRMG-321 | AWR2016A | AWR2019A |
| PP-RCP-6-2019 | Corner Post       | 4 x AWRMG-321 | AWR2016A | AWR2019A |
| PP-RIP-6-2019 | Intermediate Post | 4 x AWRMG-321 | AWR2016A | AWR2019A |



AWR2019A



### 2" ROUND POOL FENCE POST - HIGH POLISH WITH ROUND BASE PLATE AND COVER WITH GLASS CLAMPS

- Posts made to 1250mm high with base plate and cover
- Glass clamps to suit 12mm glass
- Please advise if you require a specific height for post or position of glass clamps

| Code          | Description       | Clamp         | Base     | Top      |
|---------------|-------------------|---------------|----------|----------|
| PP-REP-1-2019 | End Post          | 2 x AWRMG-321 | AWR2001A | AWR2019A |
| PP-RCP-1-2019 | Corner Post       | 4 x AWRMG-321 | AWR2001A | AWR2019A |
| PP-RIP-1-2019 | Intermediate Post | 4 x AWRMG-321 | AWR2001A | AWR2019A |



AWR2019A



### 2" ROUND POOL FENCE POST - HIGH POLISH WITH ROUND COVER PLATE WITH GLASS CLAMPS

- Posts made to 1350mm high with cover plate to suit core drill installation
- Glass clamps to suit 12mm glass
- Please advise if you require a specific height for post or position of glass clamps

| Code          | Description       | Clamp         | Base       | Top      |
|---------------|-------------------|---------------|------------|----------|
| PP-REP-1-2019 | End Post          | 2 x AWRMG-321 | AWR2001A-C | AWR2019A |
| PP-RCP-1-2019 | Corner Post       | 4 x AWRMG-321 | AWR2001A-C | AWR2019A |
| PP-RIP-1-2019 | Intermediate Post | 4 x AWRMG-321 | AWR2001A-C | AWR2019A |

## SQUARE GLASS POOL FENCE POSTS

### 2" MIRROR SQUARE POOL FENCE POST - HIGH POLISH WITH SQUARE BASE PLATE FLANGE WITH GLASS CLAMPS

- Posts made to 1250mm high with base plate
- Glass clamps to suit 12mm glass
- Please advise if you require a specific height for post or position of glass clamps

| Code           | Description       | Clamp          | Base        | Top         |
|----------------|-------------------|----------------|-------------|-------------|
| PP-SMEP-6-2019 | End Post          | 2 x AWRMGC-200 | AWRMST-2016 | AWRMST-2019 |
| PP-SMCP-6-2019 | Corner Post       | 4 x AWRMGC-200 | AWRMST-2016 | AWRMST-2019 |
| PP-SMIP-6-2019 | Intermediate Post | 4 x AWRMGC-200 | AWRMST-2016 | AWRMST-2019 |



### 2" MIRROR SQUARE POOL FENCE POST - HIGH POLISH WITH SQUARE COVER PLATE WITH GLASS CLAMPS

- Posts made to 1350mm high with cover plate to suit core drill installation
- Glass clamps to suit 12mm glass
- Please advise if you require a specific height for post or position of glass clamps

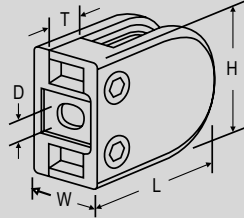
| Code           | Description       | Clamp          | Base           | Top         |
|----------------|-------------------|----------------|----------------|-------------|
| PP-SMEP-1-2019 | End Post          | 2 x AWRMGC-200 | AWRMST-2001A-C | AWRMST-2019 |
| PP-SMCP-1-2019 | Corner Post       | 4 x AWRMGC-200 | AWRMST-2001A-C | AWRMST-2019 |
| PP-SMIP-1-2019 | Intermediate Post | 4 x AWRMGC-200 | AWRMST-2001A-C | AWRMST-2019 |





AWMSGC-310  
AWRMGC-310

AWMSGC-311  
AWRMGC-311



### GLASS CLAMP - MEDIUM "D" TYPE AISI 316

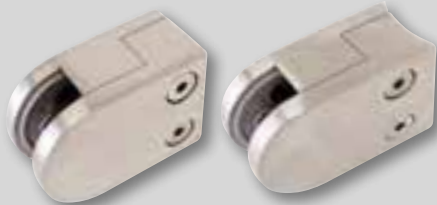
Mirror (M) or Satin (S)

Satin or Mirror surface finish clamps to suit 6.0, 8.0 & 10.0mm glass

- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 76)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

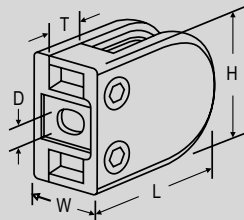
| Code       | Finish | Suit Glass     | Suit Post | H  | L  | W  | T  | D   | Sold |
|------------|--------|----------------|-----------|----|----|----|----|-----|------|
| AWRMGC-310 | M      | 6.0, 8.0, 10.0 | Sq/Flat   | 45 | 63 | 26 | 16 | 9.0 | Each |
| AWMSGC-310 | S      | 6.0, 8.0, 10.0 | Sq/Flat   | 45 | 63 | 26 | 16 | 9.0 | Each |
| AWRMGC-311 | M      | 6.0, 8.0, 10.0 | 2" Round  | 45 | 63 | 26 | 16 | 9.0 | Each |
| AWMSGC-311 | S      | 6.0, 8.0, 10.0 | 2" Round  | 45 | 63 | 26 | 16 | 9.0 | Each |

\*Note: "L" measurement for 311 Series is from centre of radius



AWMSGC-310-L  
AWRMGC-310-L  
AWMSGC-310-R  
AWRMGC-310-R

AWMSGC-311-L  
AWRMGC-311-L  
AWMSGC-311-R  
AWRMGC-311-LR



### GLASS CLAMP - MEDIUM "D" TYPE, L/H SUPPORT AISI 316 MIRROR (M) OR SATIN (S)

Satin or Mirror surface finish clamps to suit 6.0, 8.0 & 10.0mm glass

- Please order gaskets to suit appropriate glass
- L/Hand or R/Hand corner glass hold for supporting glass
- Unique design to stop slippage of excessively heavy panels of glass
- Fix to posts with blind rivet nuts and cap screws (see page 76)

| Code         | Finish | Suit Glass     | Hold | Suit Post | H  | L  | W  | T  | D   | Wgt  |
|--------------|--------|----------------|------|-----------|----|----|----|----|-----|------|
| AWRMGC-310-L | M      | 6.0, 8.0, 10.0 | L/H  | Sq/Flat   | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWMSGC-310-L | S      | 6.0, 8.0, 10.0 | L/H  | Sq/Flat   | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWRMGC-310-R | M      | 6.0, 8.0, 10.0 | R/H  | Sq/Flat   | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWMSGC-310-R | S      | 6.0, 8.0, 10.0 | R/H  | Sq/Flat   | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWRMGC-311-L | M      | 6.0, 8.0, 10.0 | L/H  | 2" Round  | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWMSGC-311-L | S      | 6.0, 8.0, 10.0 | L/H  | 2" Round  | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWRMGC-311-R | M      | 6.0, 8.0, 10.0 | R/H  | 2" Round  | 45 | 63 | 26 | 16 | 9.0 | 315g |
| AWMSGC-311-R | S      | 6.0, 8.0, 10.0 | R/H  | 2" Round  | 45 | 63 | 26 | 16 | 9.0 | 315g |

\*Note: "L" measurement for 311 Series is from centre of radius

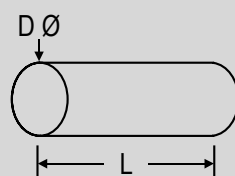


Note:  
Gaskets are sold  
separately

### RUBBER GASKETS FOR GLASS CLAMPS

310 / 311 Series

| Code         | Suit Clamp         | Suit Glass | Sold |
|--------------|--------------------|------------|------|
| AWRGG-310-06 | 310 / 311-L Series | 6.0        | Pair |
| AWRGG-310-08 | 310 / 311-L Series | 8.0        | Pair |
| AWRGG-310-10 | 310 / 311-L Series | 10.0       | Pair |



### GLASS CLAMP NYLON CENTRE PIN

310 / 311 Series

- Optional nylon centre pin for heavy glass panels
- Hole drilling in glass required for pins

| Code       | Suit Clamp       | D   | L  | Sold |
|------------|------------------|-----|----|------|
| AWRGPN-310 | 310 / 311 Series | 6.0 | 24 | Each |

## GLASS CLAMPS

### GLASS CLAMP - LARGE "D" TYPE AISI 316 MIRROR (M) OR SATIN (S)

- Mirror or Satin surface finish clamps to suit 8.0, 10.0 & 12.0mm glass
- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 76)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

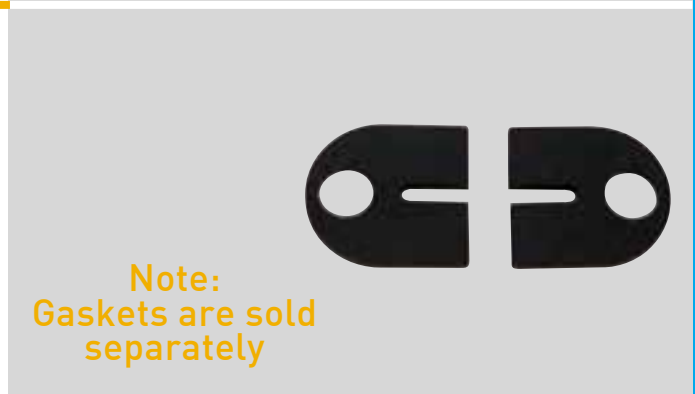
| Code       | Finish | Suit Glass      | Suit Post | H  | L  | W  | T  | D   | Wgt  |
|------------|--------|-----------------|-----------|----|----|----|----|-----|------|
| AWRMGC-320 | M      | 8.0, 10.0, 12.0 | Sq/Flat   | 55 | 60 | 32 | 16 | 9.0 | 405g |
| AWRSGC-320 | S      | 8.0, 10.0, 12.0 | Sq/Flat   | 55 | 60 | 32 | 16 | 9.0 | 405g |
| AWRMGC-321 | M      | 8.0, 10.0, 12.0 | 2" Round  | 55 | 60 | 32 | 16 | 9.0 | 405g |
| AWRSGC-321 | S      | 8.0, 10.0, 12.0 | 2" Round  | 55 | 60 | 32 | 16 | 9.0 | 405g |

\*Note: "L" measurement for 321 Series is from centre of radius



### RUBBER GASKETS FOR GLASS CLAMPS 320 / 321 SERIES

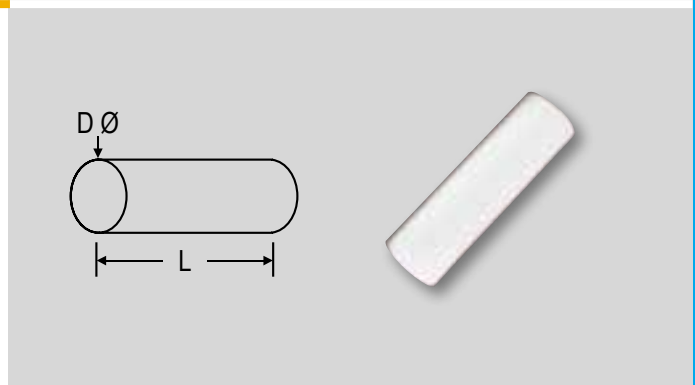
| Code         | Suit Clamp       | Suit Glass | Sold |
|--------------|------------------|------------|------|
| AWRGG-320-08 | 320 / 321 Series | 8.0        | Pair |
| AWRGG-320-10 | 320 / 321 Series | 10.0       | Pair |
| AWRGG-320-12 | 320 / 321 Series | 12.0       | Pair |



### GLASS CLAMP NYLON CENTRE PIN 320 / 321 SERIES

- Optional nylon centre pin for heavy glass panels
- Hole drilling in glass required for pins

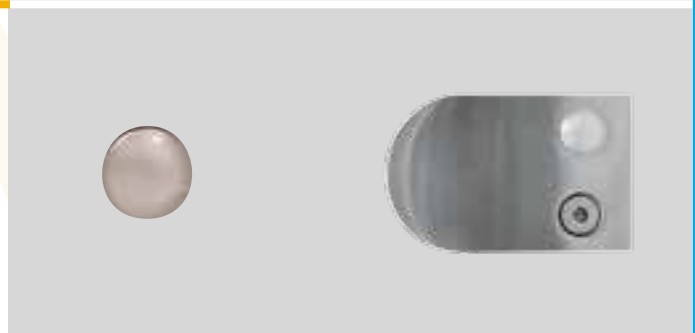
| Code       | Suit Clamp       | D   | L  | Sold |
|------------|------------------|-----|----|------|
| AWRGPN-320 | 320 / 321 Series | 6.0 | 26 | Each |



### GLASS CLAMP SCREW COVER CAP

- Finish off glass balustrade with these screw caps
- Available in grey only

| Code      | Suit Clamp | Sold |
|-----------|------------|------|
| AWRGC-CAP | All        | Pair |



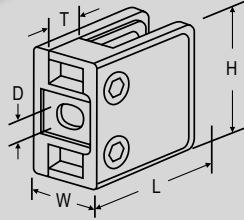
Contact us for all your glass requirements.  
Including custom size panels.





GC-200  
MGC-200

GC-201  
MGC-201

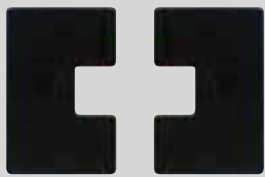


### GLASS CLAMP - LARGE SQUARE TYPE AISI 316 MIRROR (M) OR SATIN (S)

- Mirror or Satin surface finish clamps to suit 8.0, 10.0 & 12.0mm glass
- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 76)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

| Code       | Finish | Suit Glass      | Suit Post | H  | L  | W  | T  | D   | Wgt  |
|------------|--------|-----------------|-----------|----|----|----|----|-----|------|
| AWRMGC-200 | M      | 8.0, 10.0, 12.0 | Sq/Flat   | 55 | 55 | 32 | 16 | 9.0 | 440g |
| AWRSGC-200 | S      | 8.0, 10.0, 12.0 | Sq/Flat   | 55 | 55 | 32 | 16 | 9.0 | 440g |
| AWRMGC-201 | M      | 8.0, 10.0, 12.0 | 2" Round  | 55 | 55 | 32 | 16 | 9.0 | 440g |
| AWRSGC-201 | S      | 8.0, 10.0, 12.0 | 2" Round  | 55 | 55 | 32 | 16 | 9.0 | 440g |

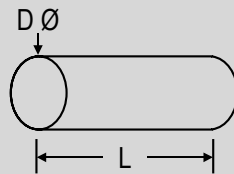
\*Note: "L" measurement for 201 Series is from centre of radius



**Note:**  
Gaskets are sold  
separately

### RUBBER GASKETS FOR GLASS CLAMPS 200 / 201 SERIES

| Code         | Suit Clamp       | Suit Glass | Sold |
|--------------|------------------|------------|------|
| AWRGG-200-08 | 200 / 201 Series | 8.0        | Pair |
| AWRGG-200-10 | 200 / 201 Series | 10.0       | Pair |
| AWRGG-200-12 | 200 / 201 Series | 12.0       | Pair |



### GLASS CLAMP NYLON CENTRE PIN 200 / 201 SERIES

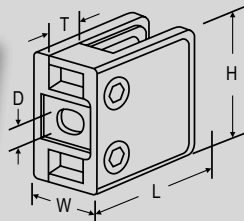
- Optional nylon centre pin for heavy glass panels
- Hole drilling in glass required for pins

| Code      | Suit Clamp       | D   | L  | Sold |
|-----------|------------------|-----|----|------|
| AWRGP-200 | 200 / 201 Series | 6.0 | 21 | Each |



AWRSGC-210

AWRMGC-211



### GLASS CLAMP - SMALL SQUARE TYPE AISI 316 MIRROR (M) OR SATIN (S)

- Mirror or Satin surface finish clamps to suit 6.0 & 8.0mm glass
- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 76)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

| Code       | Finish | Suit Glass | Suit Post | H  | L  | W  | T  | D   | Wgt  |
|------------|--------|------------|-----------|----|----|----|----|-----|------|
| AWRMGC-210 | M      | 6.0, 8.0   | Sq/Flat   | 45 | 45 | 28 | 16 | 9.0 | 215g |
| AWRSGC-210 | S      | 6.0, 8.0   | Sq/Flat   | 45 | 45 | 28 | 16 | 9.0 | 215g |
| AWRMGC-211 | M      | 6.0, 8.0   | 2" Round  | 45 | 45 | 28 | 16 | 9.0 | 215g |
| AWRSGC-211 | S      | 6.0, 8.0   | 2" Round  | 45 | 45 | 28 | 16 | 9.0 | 215g |

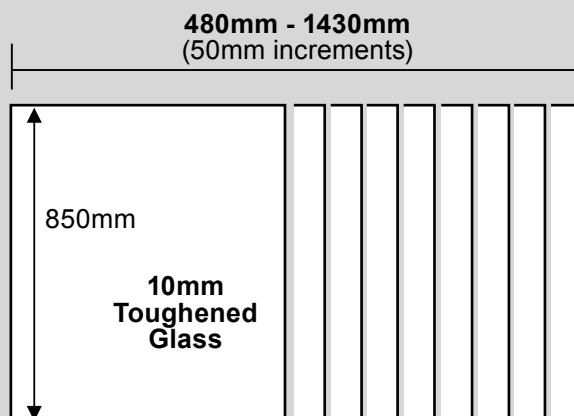
\*Note: "L" measurement for 211 Series is from centre of radius



**Note:**  
Gaskets are sold  
separately

### RUBBER GASKETS FOR GLASS CLAMPS 210 / 211 Series

| Code         | Suit Clamp       | Suit Glass | Sold |
|--------------|------------------|------------|------|
| AWRGG-210-06 | 210 / 211 Series | 6.0        | Pair |
| AWRGG-210-08 | 210 / 211 Series | 8.0        | Pair |

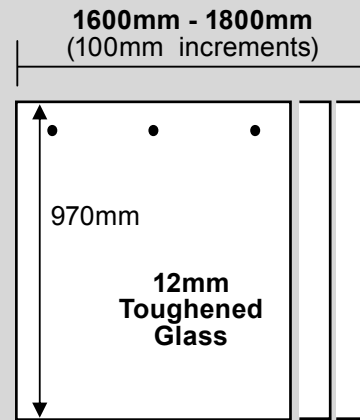
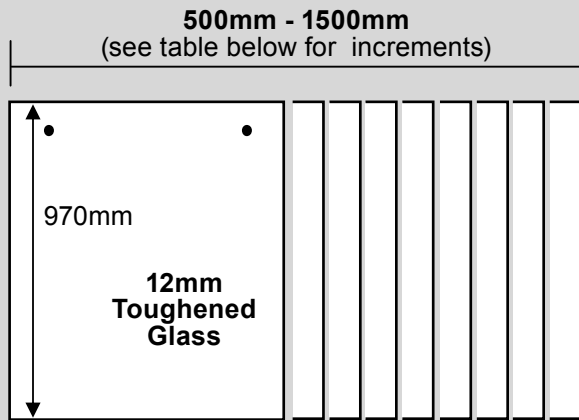


### 10MM GLASS BALUSTRADING PANELS

- Standard panels to be used in conjunction with patch fitting glass clamps

| Code         | Thickness | Height | Width  | Sqm  | Glass Weight |
|--------------|-----------|--------|--------|------|--------------|
| G850BGH-0480 | 10mm      | 850mm  | 480mm  | 0.41 | 10Kg         |
| G850BGH-0530 | 10mm      | 850mm  | 530mm  | 0.45 | 11Kg         |
| G850BGH-0580 | 10mm      | 850mm  | 580mm  | 0.49 | 12Kg         |
| G850BGH-0630 | 10mm      | 850mm  | 630mm  | 0.54 | 13Kg         |
| G850BGH-0680 | 10mm      | 850mm  | 680mm  | 0.58 | 14Kg         |
| G850BGH-0730 | 10mm      | 850mm  | 730mm  | 0.62 | 16Kg         |
| G850BGH-0780 | 10mm      | 850mm  | 780mm  | 0.66 | 17Kg         |
| G850BGH-0830 | 10mm      | 850mm  | 830mm  | 0.71 | 18Kg         |
| G850BGH-0880 | 10mm      | 850mm  | 880mm  | 0.75 | 19Kg         |
| G850BGH-0930 | 10mm      | 850mm  | 930mm  | 0.79 | 20Kg         |
| G850BGH-0980 | 10mm      | 850mm  | 980mm  | 0.83 | 21Kg         |
| G850BGH-1030 | 10mm      | 850mm  | 1030mm | 0.88 | 22Kg         |
| G850BGH-1080 | 10mm      | 850mm  | 1080mm | 0.92 | 23Kg         |
| G850BGH-1130 | 10mm      | 850mm  | 1130mm | 0.96 | 24Kg         |
| G850BGH-1180 | 10mm      | 850mm  | 1180mm | 1    | 25Kg         |
| G850BGH-1230 | 10mm      | 850mm  | 1230mm | 1.05 | 26Kg         |
| G850BGH-1280 | 10mm      | 850mm  | 1280mm | 1.09 | 27Kg         |
| G850BGH-1330 | 10mm      | 850mm  | 1300mm | 1.13 | 28Kg         |
| G850BGH-1380 | 10mm      | 850mm  | 1380mm | 1.17 | 29Kg         |
| G850BGH-1430 | 10mm      | 850mm  | 1430mm | 1.22 | 30Kg         |





### 12MM GLASS BALUSTRADING PANELS

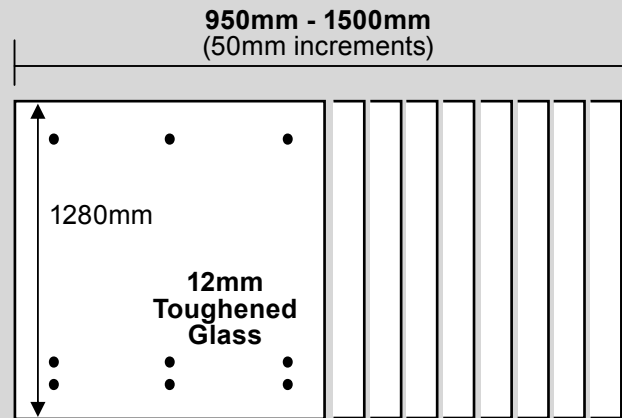
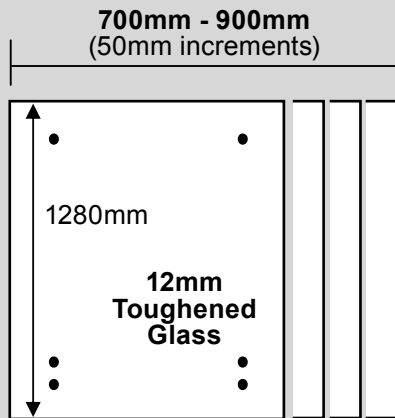
- Use in conjunction with stainless steel spigots and offset handrail brackets
- Below panels require 2 spigots per panel

| Code         | Thickness | Height | Width  | Sqm  | Suggested Spigot Placement        |                                      |                                   | Glass Weight KGS |
|--------------|-----------|--------|--------|------|-----------------------------------|--------------------------------------|-----------------------------------|------------------|
|              |           |        |        |      | Edge of Glass to Centre of Spigot | Centre of Spigot to Centre of Spigot | Edge of Glass to Centre of Spigot |                  |
| G970N05-0500 | 12mm      | 970mm  | 500mm  | 0.49 | 150mm                             | 200mm                                | 150mm                             | 15Kg             |
| G970N05-0600 | 12mm      | 970mm  | 600mm  | 0.58 | 150mm                             | 300mm                                | 150mm                             | 17Kg             |
| G970N05-0700 | 12mm      | 970mm  | 700mm  | 0.68 | 150mm                             | 400mm                                | 150mm                             | 20Kg             |
| G970N05-0750 | 12mm      | 970mm  | 750mm  | 0.73 | 150mm                             | 450mm                                | 150mm                             | 22Kg             |
| G970N05-0800 | 12mm      | 970mm  | 800mm  | 0.78 | 150mm                             | 500mm                                | 150mm                             | 23Kg             |
| G970N05-0850 | 12mm      | 970mm  | 850mm  | 0.82 | 150mm                             | 550mm                                | 150mm                             | 25Kg             |
| G970N05-0900 | 12mm      | 970mm  | 900mm  | 0.87 | 150mm                             | 600mm                                | 150mm                             | 26Kg             |
| G970N05-0950 | 12mm      | 970mm  | 950mm  | 0.92 | 150mm                             | 650mm                                | 150mm                             | 28Kg             |
| G970N05-1000 | 12mm      | 970mm  | 1000mm | 0.97 | 150mm                             | 700mm                                | 150mm                             | 29Kg             |
| G970N05-1050 | 12mm      | 970mm  | 1050mm | 1.02 | 200mm                             | 650mm                                | 200mm                             | 31Kg             |
| G970N05-1100 | 12mm      | 970mm  | 1100mm | 1.07 | 200mm                             | 700mm                                | 200mm                             | 32Kg             |
| G970N05-1150 | 12mm      | 970mm  | 1150mm | 1.12 | 200mm                             | 750mm                                | 200mm                             | 33Kg             |
| G970N05-1200 | 12mm      | 970mm  | 1200mm | 1.16 | 200mm                             | 800mm                                | 200mm                             | 35Kg             |
| G970N05-1250 | 12mm      | 970mm  | 1250mm | 1.21 | 200mm                             | 850mm                                | 200mm                             | 36Kg             |
| G970N05-1300 | 12mm      | 970mm  | 1300mm | 1.26 | 200mm                             | 900mm                                | 200mm                             | 38Kg             |
| G970N05-1350 | 12mm      | 970mm  | 1350mm | 1.31 | 200mm                             | 950mm                                | 200mm                             | 39Kg             |
| G970N05-1400 | 12mm      | 970mm  | 1400mm | 1.36 | 200mm                             | 1000mm                               | 200mm                             | 41Kg             |
| G970N05-1500 | 12mm      | 970mm  | 1500mm | 1.46 | 200mm                             | 1100mm                               | 200mm                             | 44Kg             |

### 12MM GLASS BALUSTRADING PANELS

- Use in conjunction with stainless steel spigots and offset handrail brackets
- Below panels require 3 spigots per panel

| Code         | Thickness | Height | Width  | Sqm  | Suggested Spigot Placement        |                                |                                |                                   | Glass Weight KGS |
|--------------|-----------|--------|--------|------|-----------------------------------|--------------------------------|--------------------------------|-----------------------------------|------------------|
|              |           |        |        |      | Edge of Glass to Centre of Spigot | Centre of Spigot to Mid Spigot | Centre of Spigot to Mid Spigot | Edge of Glass to Centre of Spigot |                  |
| G970N05-1600 | 12mm      | 970mm  | 1600mm | 1.55 | 200mm                             | 600mm                          | 600mm                          | 200mm                             | 47Kg             |
| G970N05-1700 | 12mm      | 970mm  | 1700mm | 1.65 | 200mm                             | 650mm                          | 650mm                          | 200mm                             | 49Kg             |
| G970N05-1800 | 12mm      | 970mm  | 1800mm | 1.75 | 200mm                             | 700mm                          | 700mm                          | 200mm                             | 52Kg             |



### 12MM BALUSTRADING GLASS PANELS - 1280MM HIGH

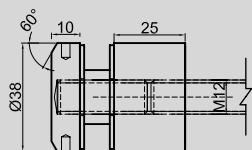
- To be used in conjunction with Standoff pins and offset handrail brackets.
- Below glass requires 2 sets (4) of pins

| Code         | Thickness | Height | Width | Sqm  | Suggested Pin Hole Placement              |                                                       |                                            | Glass Weight KGS |
|--------------|-----------|--------|-------|------|-------------------------------------------|-------------------------------------------------------|--------------------------------------------|------------------|
|              |           |        |       |      | Edge of Glass to Centre of Left Side Hole | Centre of Left Side Hole to Centre of Right Side Hole | Edge of Glass to Centre of Right Side Hole |                  |
| G1280SG-0700 | 12mm      | 1280mm | 700mm | 0.9  | 150mm                                     | 400mm                                                 | 150mm                                      | 26.9Kg           |
| G1280SG-0750 | 12mm      | 1280mm | 750mm | 0.96 | 150mm                                     | 450mm                                                 | 150mm                                      | 28.8Kg           |
| G1280SG-0800 | 12mm      | 1280mm | 800mm | 1.02 | 150mm                                     | 500mm                                                 | 150mm                                      | 30.7Kg           |
| G1280SG-0850 | 12mm      | 1280mm | 850mm | 1.09 | 150mm                                     | 550mm                                                 | 150mm                                      | 32.6Kg           |
| G1280SG-0900 | 12mm      | 1280mm | 900mm | 1.15 | 150mm                                     | 600mm                                                 | 150mm                                      | 34.5Kg           |

### 12MM BALUSTRADING GLASS PANELS - 1280MM HIGH

- To be used in conjunction with Standoff pins and offset handrail brackets.
- Below glass requires 3 sets (6) of pins

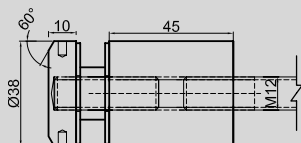
| Code         | Thickness | Height | Width  | Sqm  | Suggested Pin Hole Placement              |                                                   |                                                    |                                            | Glass Weight KGS |
|--------------|-----------|--------|--------|------|-------------------------------------------|---------------------------------------------------|----------------------------------------------------|--------------------------------------------|------------------|
|              |           |        |        |      | Edge of Glass to Centre of Left Side Hole | Centre of Left Side Hole to Centre of Middle Hole | Centre of Middle Hole to Centre of Right Side Hole | Edge of Glass to Centre of Right Side Hole |                  |
| G1280SG-0950 | 12mm      | 1280mm | 950mm  | 1.22 | 150mm                                     | 325mm                                             | 325mm                                              | 150mm                                      | 36.5Kg           |
| G1280SG-1000 | 12mm      | 1280mm | 1000mm | 1.28 | 150mm                                     | 350mm                                             | 350mm                                              | 150mm                                      | 38.4Kg           |
| G1280SG-1050 | 12mm      | 1280mm | 1050mm | 1.34 | 150mm                                     | 375mm                                             | 375mm                                              | 150mm                                      | 40.3Kg           |
| G1280SG-1100 | 12mm      | 1280mm | 1100mm | 1.41 | 150mm                                     | 400mm                                             | 400mm                                              | 150mm                                      | 42.2Kg           |
| G1280SG-1150 | 12mm      | 1280mm | 1150mm | 1.47 | 150mm                                     | 425mm                                             | 425mm                                              | 150mm                                      | 44.2Kg           |
| G1280SG-1200 | 12mm      | 1280mm | 1200mm | 1.54 | 150mm                                     | 450mm                                             | 450mm                                              | 150mm                                      | 46.1Kg           |
| G1280SG-1250 | 12mm      | 1280mm | 1250mm | 1.6  | 150mm                                     | 475mm                                             | 475mm                                              | 150mm                                      | 48Kg             |
| G1280SG-1300 | 12mm      | 1280mm | 1300mm | 1.66 | 150mm                                     | 500mm                                             | 500mm                                              | 150mm                                      | 49.9Kg           |
| G1280SG-1350 | 12mm      | 1280mm | 1350mm | 1.73 | 150mm                                     | 525mm                                             | 525mm                                              | 150mm                                      | 51.8Kg           |
| G1280SG-1400 | 12mm      | 1280mm | 1400mm | 1.79 | 150mm                                     | 550mm                                             | 550mm                                              | 150mm                                      | 53.8Kg           |
| G1280SG-1450 | 12mm      | 1280mm | 1450mm | 1.86 | 150mm                                     | 575mm                                             | 575mm                                              | 150mm                                      | 55.7Kg           |
| G1280SG-1500 | 12mm      | 1280mm | 1500mm | 1.92 | 150mm                                     | 600mm                                             | 600mm                                              | 150mm                                      | 57.6Kg           |



### STAINLESS STEEL STANDOFF PINS

- 38mm Diameter x 25mm Body Length

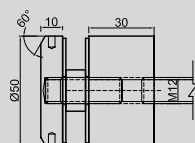
| Code       | Material              | Finish |
|------------|-----------------------|--------|
| GSP-3825-S | 316gr Stainless Steel | Satin  |
| GSP-3825-P | 316gr Stainless Steel | Polish |



### STAINLESS STEEL STANDOFF PINS

- 38mm Diameter x 45mm Body Length

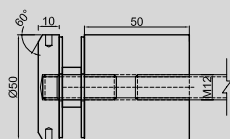
| Code       | Material              | Finish |
|------------|-----------------------|--------|
| GSP-3845-S | 316gr Stainless Steel | Satin  |
| GSP-3845-P | 316gr Stainless Steel | Polish |



### STAINLESS STEEL STANDOFF PINS

- 50mm Diameter x 30mm Body Length

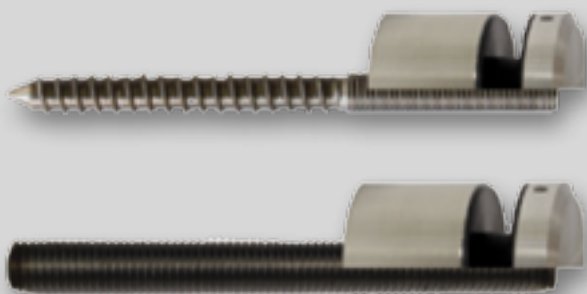
| Code       | Material              | Finish |
|------------|-----------------------|--------|
| GSP-5030-S | 316gr Stainless Steel | Satin  |
| GSP-5030-P | 316gr Stainless Steel | Polish |



### STAINLESS STEEL STANDOFF PINS

- 50mm Diameter x 50mm Body Length

| Code       | Material              | Finish |
|------------|-----------------------|--------|
| GSP-5050-S | 316gr Stainless Steel | Satin  |
| GSP-5050-P | 316gr Stainless Steel | Polish |



### STANDOFF ACCESSORIES

- Lag Screw Material - 304gr Stainless Steel

| Code        | Description                                        |
|-------------|----------------------------------------------------|
| GSP-LAG-115 | 115mm Lag Screw - 60mm Timber & 55mm Metal Thread  |
| GSP-LAG-160 | 160mm Lag Screw - 100mm Timber & 60mm Metal Thread |
| GSP-TOOL    | Tightening Tool to suit 38mm & 50mm Standoff Pins  |

# STAINLESS OFFSET HANDRAIL BRACKETS

## STAINLESS STEEL OFFSET HANDRAIL SQUARE FIXED BRACKETS 316GR

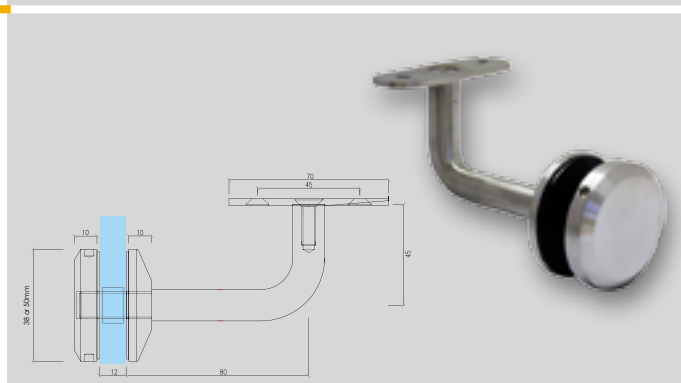
| Code        | Description                       | Finish |
|-------------|-----------------------------------|--------|
| GOH-SFB-R-P | Radius Top suits 2" Diameter Tube | Polish |
| GOH-SFB-R-S | Radius Top suits 2" Diameter Tube | Satin  |
| GOH-SFB-F-P | Flat Top                          | Polish |
| GOH-SFB-F-S | Flat Top                          | Satin  |



## STAINLESS STEEL OFFSET HANDRAIL ROUND FIXED BRACKETS 316GR

- Suits both Flat top, 1.5" and 2" diameter tube

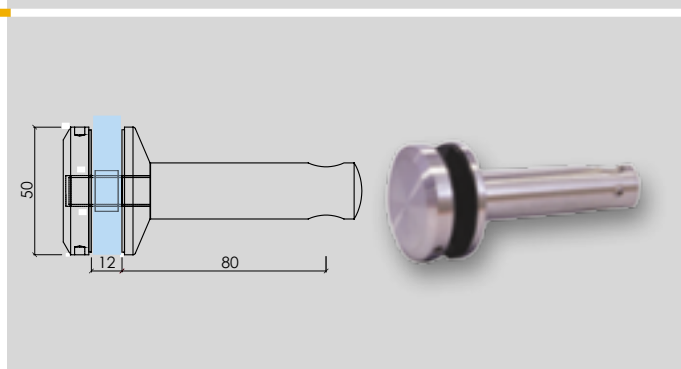
| Code         | Cap Size | Finish |
|--------------|----------|--------|
| GOH-RFB-38-P | 38mm     | Polish |
| GOH-RFB-38-S | 38mm     | Satin  |
| GOH-RFB-50-P | 50mm     | Polish |
| GOH-RFB-50-S | 50mm     | Satin  |



## STAINLESS STEEL OFFSET HANDRAIL HORIZONTAL ADJUSTABLE BRACKETS 316GR

- Must be used in conjunction with vertical piece

| Code         | Cap Size | Finish |
|--------------|----------|--------|
| GOH-ABH-38-P | 38mm     | Polish |
| GOH-ABH-38-S | 38mm     | Satin  |
| GOH-ABH-50-P | 50mm     | Polish |
| GOH-ABH-50-P | 50mm     | Satin  |



## STAINLESS STEEL OFFSET HANDRAIL VERTICAL ADJUSTABLE BRACKETS – FIXED TOPS – 316GR

- Must be used in conjunction with horizontal bracket

| Code         | Description                      | Finish |
|--------------|----------------------------------|--------|
| GOH-ABV-FR-P | Fixed Radius Top suits 38mm Tube | Polish |
| GOH-ABV-FR-S | Fixed Radius Top suits 38mm Tube | Satin  |
| GOH-ABV-FF-P | Fixed Flat top                   | Polish |
| GOH-ABV-FF-S | Fixed Flat top                   | Satin  |

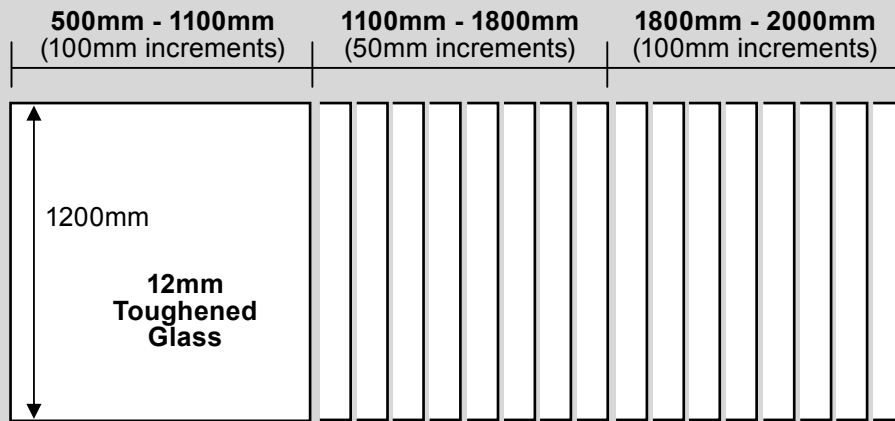


## STAINLESS STEEL OFFSET HANDRAIL VERTICAL ADJUSTABLE BRACKETS – ADJUSTABLE TOPS – 316GR

- Must be used in conjunction with horizontal bracket

| Code         | Description                           | Finish |
|--------------|---------------------------------------|--------|
| GOH-ABV-AR-P | Adjustable Radius Top suits 38mm Tube | Polish |
| GOH-ABV-AR-S | Adjustable Radius Top suits 38mm Tube | Satin  |
| GOH-ABV-AF-P | Adjustable Flat top                   | Polish |
| GOH-ABV-AF-S | Adjustable Flat top                   | Satin  |

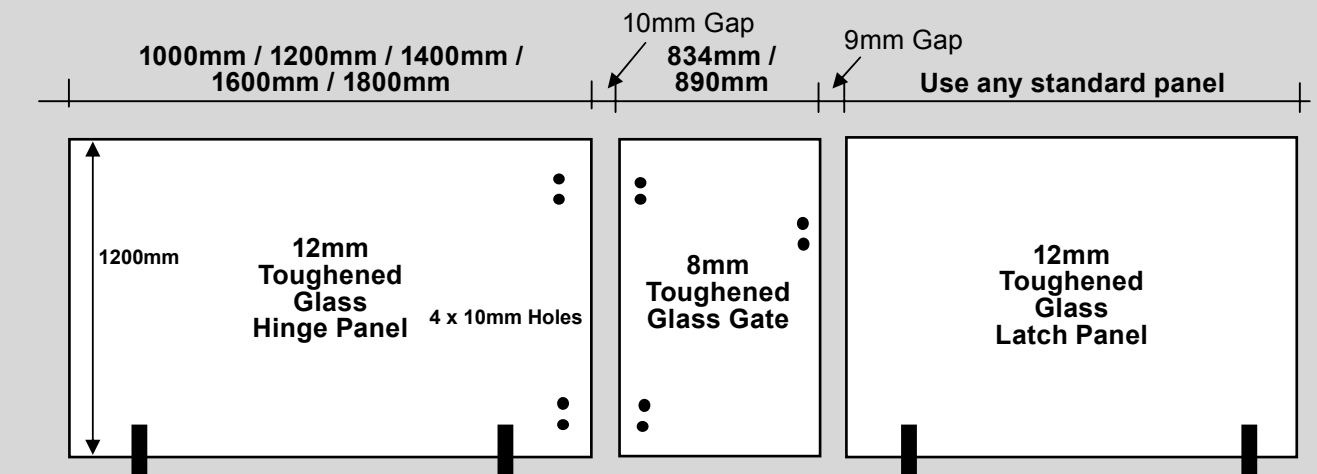
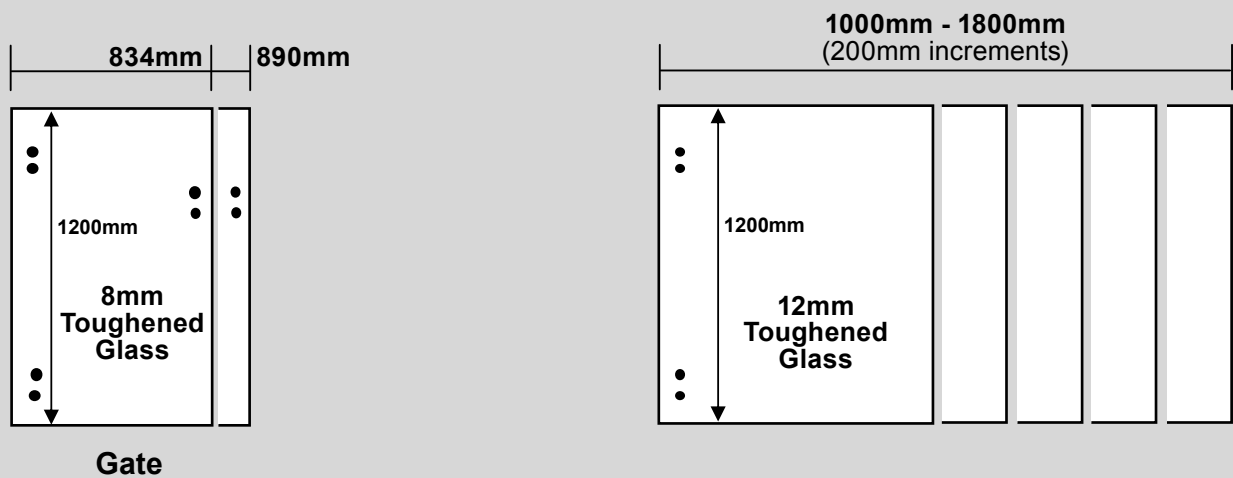




### 12MM TOUGHENED GLASS TO BE USED IN POOL FENCE APPLICATIONS

- Can be used with spigots for a frameless application or with patch fitting glass clamps in a semi frameless application.
- Below panels require 2 spigots per panel

| Code       | Thickness | Height | Width  | Sqm  | Suggested Spigot Placement           |                                         |                                      | Glass Weight |
|------------|-----------|--------|--------|------|--------------------------------------|-----------------------------------------|--------------------------------------|--------------|
|            |           |        |        |      | Edge of Glass to<br>Centre of Spigot | Centre of Spigot to<br>Centre of Spigot | Edge of Glass to<br>Centre of Spigot |              |
| G12NH-0500 | 12mm      | 1200mm | 500mm  | 0.6  | 100mm                                | 300mm                                   | 100mm                                | 18Kg         |
| G12NH-0600 | 12mm      | 1200mm | 600mm  | 0.72 | 100mm                                | 400mm                                   | 100mm                                | 22Kg         |
| G12NH-0700 | 12mm      | 1200mm | 700mm  | 0.84 | 100mm                                | 500mm                                   | 100mm                                | 25Kg         |
| G12NH-0800 | 12mm      | 1200mm | 800mm  | 0.96 | 150mm                                | 500mm                                   | 150mm                                | 29Kg         |
| G12NH-0900 | 12mm      | 1200mm | 900mm  | 1.08 | 150mm                                | 600mm                                   | 150mm                                | 32Kg         |
| G12NH-1000 | 12mm      | 1200mm | 1000mm | 1.2  | 150mm                                | 700mm                                   | 150mm                                | 36Kg         |
| G12NH-1100 | 12mm      | 1200mm | 1100mm | 1.32 | 200mm                                | 700mm                                   | 200mm                                | 40Kg         |
| G12NH-1150 | 12mm      | 1200mm | 1150mm | 1.38 | 200mm                                | 750mm                                   | 200mm                                | 42Kg         |
| G12NH-1200 | 12mm      | 1200mm | 1200mm | 1.44 | 200mm                                | 800mm                                   | 200mm                                | 43Kg         |
| G12NH-1250 | 12mm      | 1200mm | 1250mm | 1.5  | 200mm                                | 850mm                                   | 200mm                                | 45Kg         |
| G12NH-1300 | 12mm      | 1200mm | 1300mm | 1.53 | 200mm                                | 900mm                                   | 200mm                                | 47Kg         |
| G12NH-1350 | 12mm      | 1200mm | 1350mm | 1.62 | 200mm                                | 950mm                                   | 200mm                                | 49Kg         |
| G12NH-1400 | 12mm      | 1200mm | 1400mm | 1.68 | 250mm                                | 900mm                                   | 250mm                                | 50Kg         |
| G12NH-1450 | 12mm      | 1200mm | 1450mm | 1.74 | 250mm                                | 950mm                                   | 250mm                                | 53Kg         |
| G12NH-1500 | 12mm      | 1200mm | 1500mm | 1.8  | 250mm                                | 1000mm                                  | 250mm                                | 54Kg         |
| G12NH-1550 | 12mm      | 1200mm | 1550mm | 1.86 | 250mm                                | 1050mm                                  | 250mm                                | 56Kg         |
| G12NH-1600 | 12mm      | 1200mm | 1600mm | 1.92 | 250mm                                | 1100mm                                  | 250mm                                | 58Kg         |
| G12NH-1650 | 12mm      | 1200mm | 1650mm | 1.98 | 250mm                                | 1150mm                                  | 250mm                                | 60Kg         |
| G12NH-1700 | 12mm      | 1200mm | 1700mm | 2.04 | 250mm                                | 1200mm                                  | 250mm                                | 61Kg         |
| G12NH-1750 | 12mm      | 1200mm | 1750mm | 2.1  | 300mm                                | 1150mm                                  | 300mm                                | 63Kg         |
| G12NH-1800 | 12mm      | 1200mm | 1800mm | 2.16 | 300mm                                | 1200mm                                  | 300mm                                | 65Kg         |
| G12NH-1900 | 12mm      | 1200mm | 1900mm | 2.28 | 300mm                                | 1300mm                                  | 300mm                                | 68Kg         |
| G12NH-2000 | 12mm      | 1200mm | 2000mm | 2.4  | 300mm                                | 1400mm                                  | 300mm                                | 72Kg         |



### 8MM GLASS GATES TO BE USED WITH POOL FENCE PANELS

- Use in conjunction with hinge kits and friction latch

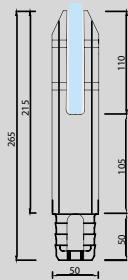
| Code         | Thickness | Height | Width | Sqm  | Glass Weight |
|--------------|-----------|--------|-------|------|--------------|
| G-08SLG-0834 | 8mm       | 1200mm | 834mm | 1    | 20Kg         |
| G-08SLG-0890 | 8mm       | 1200mm | 890mm | 1.07 | 21Kg         |

### 12MM GLASS HINGE PANELS FOR POOL FENCING

- Use in conjunction with hinge kit and glass gate
- Below panels require 2 spigots per panel

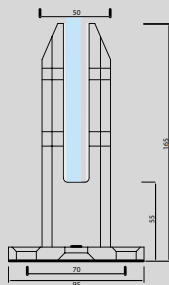
#### Suggested Spigot Placement

| Code         | Thickness | Height | Width  | Sqm  | Edge of Glass to<br>Centre of Spigot | Centre of Spigot to<br>Centre of Spigot | Edge of Glass to<br>Centre of Spigot | Glass Weight |
|--------------|-----------|--------|--------|------|--------------------------------------|-----------------------------------------|--------------------------------------|--------------|
| G12NH-H-1000 | 12mm      | 1200mm | 1000mm | 1.2  | 150mm                                | 700mm                                   | 150mm                                | 36Kg         |
| G12NH-H-1200 | 12mm      | 1200mm | 1200mm | 1.44 | 200mm                                | 800mm                                   | 200mm                                | 43Kg         |
| G12NH-H-1400 | 12mm      | 1200mm | 1400mm | 1.68 | 250mm                                | 900mm                                   | 250mm                                | 50Kg         |
| G12NH-H-1600 | 12mm      | 1200mm | 1600mm | 1.92 | 250mm                                | 1100mm                                  | 250mm                                | 58Kg         |
| G12NH-H-1800 | 12mm      | 1200mm | 1800mm | 2.16 | 300mm                                | 1200mm                                  | 300mm                                | 65Kg         |



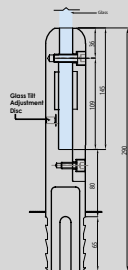
### STAINLESS STEEL SQUARE CORE DRILL SPIGOTS

| Code         | Description              | Material             | Finish |
|--------------|--------------------------|----------------------|--------|
| GS-SCD-P     | Spigot                   | 2205 Stainless Steel | Polish |
| GS-SCD-SDR-P | Dress Ring - Flat        | 2205 Stainless Steel | Polish |
| GS-SCD-RDR-P | Dress Ring - Domed Round | 2205 Stainless Steel | Polish |



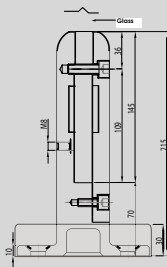
### STAINLESS STEEL SQUARE BASE PLATE SPIGOTS

| Code          | Description             | Material              | Finish |
|---------------|-------------------------|-----------------------|--------|
| GS-SBP-P      | Spigot                  | 2205 Stainless Steel  | Polish |
| GS-SBP-SDC-P  | Slimline Domical Cover  | 2205 Stainless Steel  | Polish |
| GS-SBP-CSK100 | 100mm Countersunk Screw | 316gr Stainless Steel | N/A    |



### STAINLESS STEEL ROUND CORE DRILL SPIGOTS

| Code         | Description       | Material             | Finish |
|--------------|-------------------|----------------------|--------|
| GS-RCD-P     | Spigot            | 2205 Stainless Steel | Polish |
| GS-RCD-DRF-P | Dress Ring - Flat | 2205 Stainless Steel | Polish |



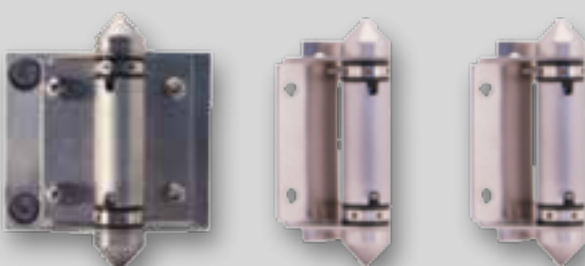
### STAINLESS STEEL ROUND BASE PLATE SPIGOTS

| Code          | Description                | Material              | Finish |
|---------------|----------------------------|-----------------------|--------|
| GS-RBP-P      | Spigot                     | 2205 Stainless Steel  | Polish |
| GS-RBD-DRD-P  | Dress Ring - Domical Cover | 2205 Stainless Steel  | Polish |
| GS-RBP-CSK100 | 100mm Countersunk Screw    | 316gr Stainless Steel | N/A    |



### STAINLESS STEEL SPIGOTS ACCESSORIES

| Code       | Description                                | Material       | Finish |
|------------|--------------------------------------------|----------------|--------|
| G-CPR      | CPR Sign Resuscitation Chart               | Plastic Coated | N/A    |
| G-GEIG-15  | Grout - Epirez Instant Grout 15Kg Bucket   |                |        |
| G-GBOS-20  | Grout - Bostik Techflow HES Grout 20Kg Bag |                |        |
| G-GHESG-20 | Grout - Sika HES Grout 20Kg Bag            |                |        |



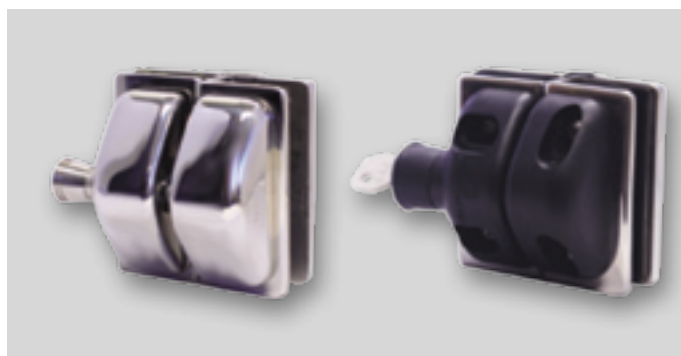
### GLASS HINGES

| Code    | Mount                       | Material              | Finish |
|---------|-----------------------------|-----------------------|--------|
| GH-GG-S | Glass to Glass              | 316gr Stainless Steel | Satin  |
| GH-GG-P | Glass to Glass              | 316gr Stainless Steel | Polish |
| GH-GS-S | Glass to wall / square post | 316gr Stainless Steel | Satin  |
| GH-GS-P | Glass to wall / square post | 316gr Stainless Steel | Polish |
| GH-GR-S | Glass to round post         | 316gr Stainless Steel | Satin  |
| GH-GR-P | Glass to round post         | 316gr Stainless Steel | Polish |

# GLASS LATCHES

## GLASS TO GLASS LATCHES

| Code       | Material                                | Finish | Key Lockable |
|------------|-----------------------------------------|--------|--------------|
| GL-GG-P-K  | 316gr Stainless Steel and Black Polymer | Polish | Yes          |
| GL-GG-S-K  | 316gr Stainless Steel and Black Polymer | Satin  | Yes          |
| GL-GG-SS-P | 316gr Stainless Steel                   | Polish | No           |
| GL-GG-SS-S | 316gr Stainless Steel                   | Satin  | No           |



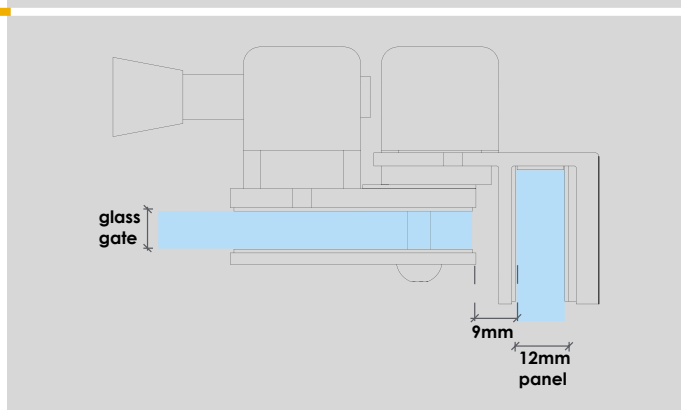
## GLASS TO GLASS 90DEG EXTERNAL FIT LATCHES

| Code         | Material                                | Finish | Key Lockable |
|--------------|-----------------------------------------|--------|--------------|
| GL-GG90E-P-K | 316gr Stainless Steel and Black Polymer | Polish | Yes          |
| GL-GG90E-S-K | 316gr Stainless Steel and Black Polymer | Satin  | Yes          |



## GLASS TO GLASS 90DEG INTERNAL FIT LATCHES

| Code         | Material                                | Finish | Key Lockable |
|--------------|-----------------------------------------|--------|--------------|
| GL-GG90I-P-K | 316gr Stainless Steel and Black Polymer | Polish | Yes          |
| GL-GG90I-S-K | 316gr Stainless Steel and Black Polymer | Satin  | Yes          |



## GLASS TO ROUND POST LATCHES

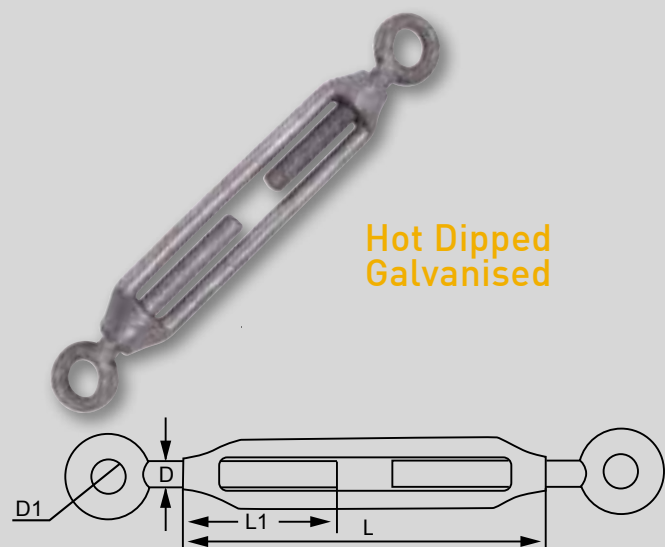
| Code       | Material              | Finish | Key Lockable |
|------------|-----------------------|--------|--------------|
| GL-GR-SS-P | 316gr Stainless Steel | Polish | No           |
| GL-GR-SS-S | 316gr Stainless Steel | Satin  | No           |



## GLASS TO WALL / SQUARE POST LATCHES

| Code       | Material                              | Finish | Key Lockable |
|------------|---------------------------------------|--------|--------------|
| GL-GS-P-K  | 316gr Stainless Steel & Black Polymer | Polish | Yes          |
| GL-GS-S-K  | 316gr Stainless Steel & Black Polymer | Satin  | Yes          |
| GL-GS-SS-P | 316gr Stainless Steel                 | Polish | No           |
| GL-GS-SS-S | 316gr Stainless Steel                 | Satin  | No           |

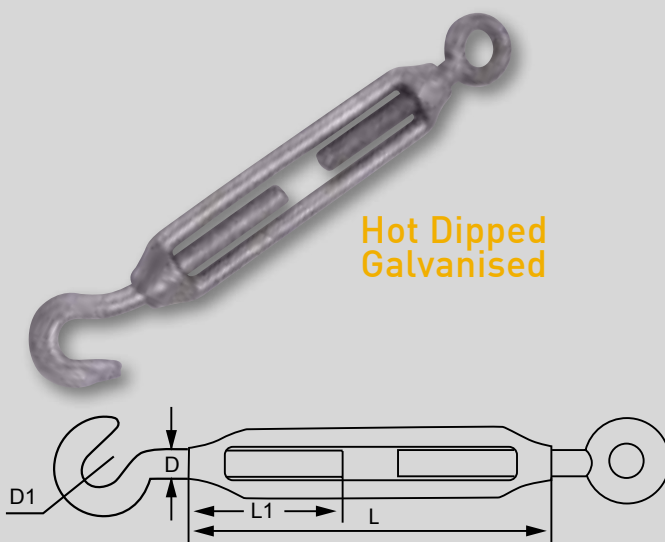




### GALVANISED FORGED TURNBUCKLE EYE & EYE

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

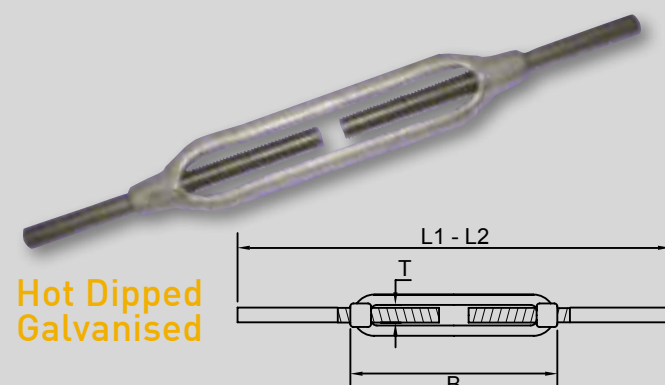
| Code   | Size | B   | D  | D1   | L1  | Wgt    |
|--------|------|-----|----|------|-----|--------|
| 324206 | 6    | 100 | 6  | 11   | 48  | .1Kg   |
| 324208 | 8    | 125 | 8  | 14   | 58  | 0.18Kg |
| 324210 | 10   | 150 | 10 | 18   | 70  | 0.31Kg |
| 324212 | 12   | 200 | 12 | 19   | 95  | 0.55Kg |
| 324216 | 16   | 250 | 16 | 24   | 105 | 1.1Kg  |
| 324220 | 20   | 300 | 20 | 26.5 | 130 | 1.94Kg |
| 324222 | 22   | 330 | 22 | 34   | 165 | 2.64Kg |
| 324225 | 25   | 350 | 24 | 37   | 190 | 4Kg    |
| 324228 | 28   | 350 | 27 | 38   | 160 | 6Kg    |



### GALVANISED FORGED TURNBUCKLE HOOK & EYE

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

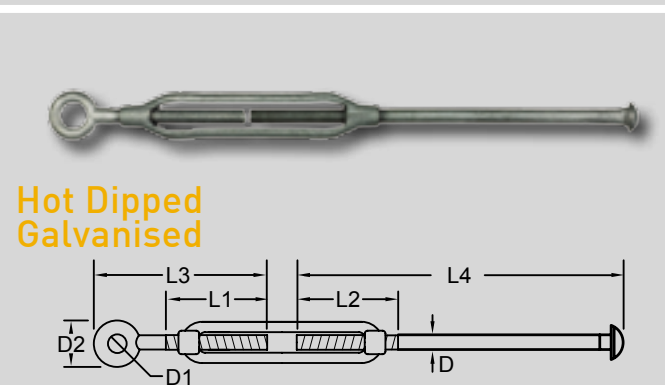
| Code   | Size | B   | D  | D1   | C  | L1  | Wgt    |
|--------|------|-----|----|------|----|-----|--------|
| 323206 | 6    | 100 | 6  | 11   | 8  | 48  | .1Kg   |
| 323208 | 8    | 125 | 8  | 14   | 10 | 58  | 0.18kg |
| 323210 | 10   | 150 | 10 | 18   | 13 | 70  | 0.31Kg |
| 323212 | 12   | 200 | 12 | 19   | 14 | 95  | 0.55Kg |
| 323216 | 16   | 250 | 16 | 24   | 18 | 105 | 1.1Kg  |
| 323220 | 20   | 300 | 20 | 26.5 | 22 | 130 | 1.94Kg |
| 323222 | 22   | 330 | 22 | 34   | 24 | 165 | 2.64Kg |
| 323225 | 25   | 350 | 25 | 37   | 26 | 190 | 4Kg    |
| 323228 | 28   | 350 | 27 | 38   | 29 | 160 | 6Kg    |



### GALVANISED FORGED TURNBUCKLE STUB - STUB

- Body Hot Dip Galvanised, Stubs Self Colour
- Heavy duty forged product

| Code   | T   | L1  | L2  | B   | Wgt    |
|--------|-----|-----|-----|-----|--------|
| 325010 | M10 | 260 | 362 | 145 | 0.31kg |
| 325012 | M12 | 310 | 450 | 200 | 0.55kg |
| 325016 | M16 | 370 | 542 | 252 | 1.1kg  |
| 325020 | M20 | 460 | 650 | 295 | 1.94kg |
| 325022 | M22 | 165 | 250 | 330 | 3kg    |
| 325024 | M25 | 175 | 270 | 350 | 4kg    |



### GALVANISED FORGED FENCING TURNBUCKLES

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

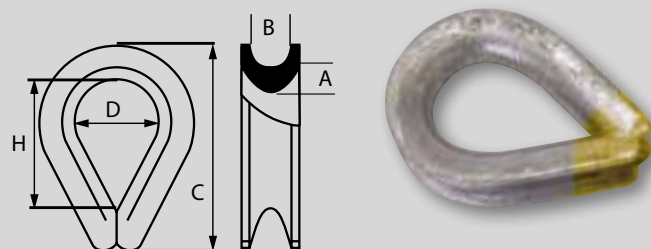
| Code   | D  | D1 | D2 | L1  | L2  | L3  | L4  | Wgt   |
|--------|----|----|----|-----|-----|-----|-----|-------|
| 326216 | 16 | 24 | 48 | 120 | 130 | 190 | 370 | 1.3kg |

# THIMBLES / GRIPS / SPRING HOOKS

## GALVANISED WIRE ROPE THIMBLE 'GOLD TIP' – AS1138

- Australian Standard • Heavy Duty hot dipped galvanised finish
- High tensile material, Heat treated • Heavy Duty Gusted Design, HDG Finish

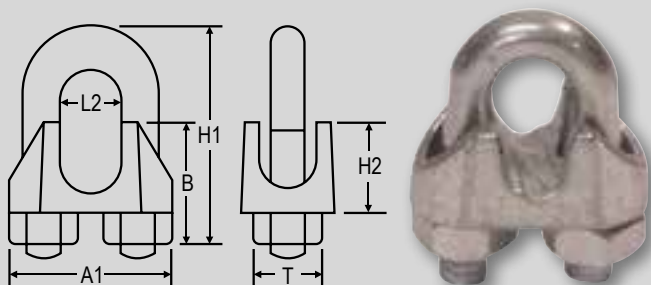
| Code     | Rope Ø | A  | B    | C   | E  | Wgt    |
|----------|--------|----|------|-----|----|--------|
| BS464-06 | 6      | 4  | 7    | 25  | 16 | 0.04g  |
| BS464-08 | 8      | 5  | 7.9  | 33  | 22 | 0.052g |
| BS464-10 | 10     | 5  | 10.3 | 38  | 25 | 0.08g  |
| BS464-12 | 12     | 6  | 14.3 | 44  | 32 | 0.13g  |
| BS464-14 | 14     | 7  | 15   | 46  | 38 | 0.15g  |
| BS464-16 | 16     | 8  | 15.9 | 59  | 41 | 0.26g  |
| BS464-20 | 20     | 10 | 21.6 | 75  | 52 | 0.50g  |
| BS464-22 | 22     | 10 | 22.2 | 83  | 57 | 0.62g  |
| BS464-24 | 24     | 11 | 25.4 | 92  | 64 | 0.9g   |
| BS464-26 | 26     | 11 | 27   | 111 | 72 | 1.0g   |



## GALVANISED WIRE ROPE GRIP

- An electric galvanised finish grip suitable for galvanised wire rope clamping
- Heavy Duty Commercial Wire Rope Grips • Conforms to federal specifications
- Heavy Duty Saddles & Larger nuts or higher tightening forces
- Larger sizes available on request

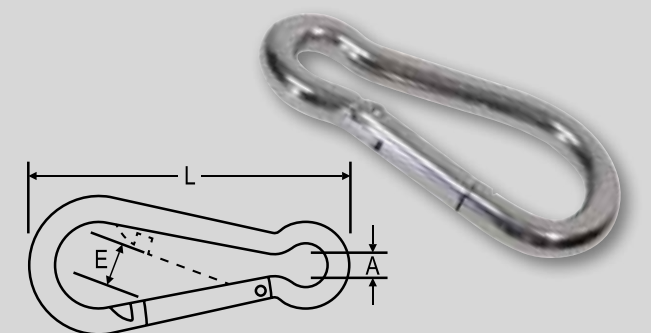
| Code   | Rope Ø | A1   | B  | H1   | H2 | L2   | T    | Wgt  |
|--------|--------|------|----|------|----|------|------|------|
| 301203 | 3.2    | 22   | 13 | 26   | 10 | 5.0  | 12.5 | 15g  |
| 301205 | 5.0    | 26   | 16 | 29   | 14 | 5.2  | 13.0 | 25g  |
| 301206 | 6.0    | 32   | 19 | 37   | 16 | 6.8  | 20.0 | 50g  |
| 301208 | 8.0    | 35   | 19 | 37   | 19 | 8.3  | 23.0 | 59g  |
| 301210 | 10.0   | 40   | 25 | 49   | 19 | 10.0 | 23.3 | 84g  |
| 301213 | 13.0   | 48   | 30 | 60   | 27 | 13.0 | 27.0 | 149g |
| 301214 | 14.0   | 50   | 30 | 67   | 27 | 15.0 | 27.0 | 221g |
| 301216 | 16.0   | 57   | 31 | 67   | 30 | 16.0 | 32.0 | 232g |
| 301220 | 19-20  | 59.5 | 42 | 68.5 | 37 | 25   | 46.0 | 500g |



## GALVANISED SPRING HOOK ZINC PLATED

- Zinc plated galvanised spring hook for non rated applications

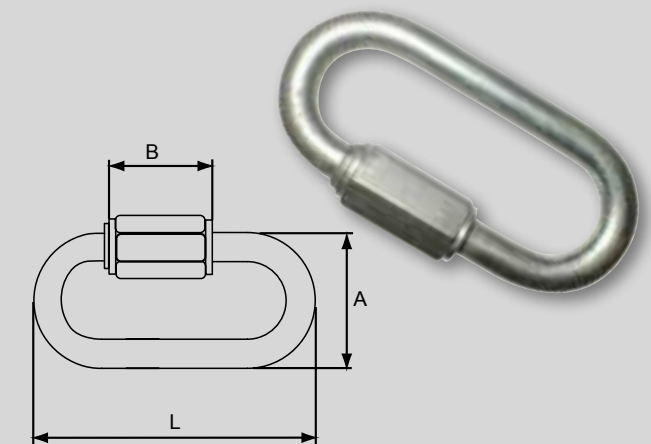
| Code   | Size | A  | L   | E   | WLL | Wgt  |
|--------|------|----|-----|-----|-----|------|
| 425204 | 4    | 7  | 40  | 7   | 80  | 9g   |
| 425205 | 5    | 8  | 50  | 7   | 100 | 14g  |
| 425206 | 6    | 9  | 60  | 8   | 120 | 25g  |
| 425208 | 8    | 12 | 80  | 9   | 180 | 61g  |
| 425210 | 10   | 15 | 100 | 11  | 230 | 122g |
| 425212 | 12   | 20 | 140 | 119 | 380 | 251g |



## QUICK LINK ELECTRO-GALVANISED

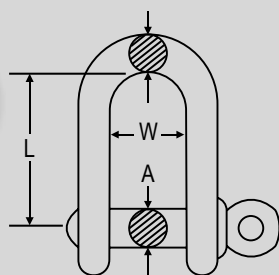
- Oval Shape • Positive Screw Lock
- Electro-Zinc plated • Not for Lifting Applications

| Code   | Size | L  | A  | B    | Opening | WLL  |
|--------|------|----|----|------|---------|------|
| 420604 | 4    | 39 | 19 | 12.5 | 5.5     | 200  |
| 420605 | 5    | 48 | 23 | 15   | 6.5     | 300  |
| 420606 | 6    | 57 | 26 | 19   | 7.5     | 400  |
| 420608 | 8    | 76 | 34 | 23   | 10      | 800  |
| 420610 | 10   | 89 | 40 | 29   | 12      | 1200 |





Hot Dipped  
Galvanised



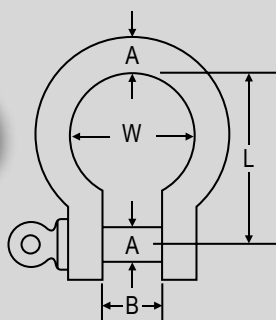
### GALVANISED "D" SHACKLE

• Hot dipped galvanised "D" Shackle suitable for non rated applications

| Code   | A  | L  | W  | Wgt   |
|--------|----|----|----|-------|
| 200305 | 5  | 19 | 10 | 14g   |
| 200306 | 6  | 25 | 13 | 22g   |
| 200308 | 8  | 32 | 16 | 48g   |
| 200310 | 10 | 41 | 19 | 99g   |
| 200312 | 12 | 51 | 25 | 178g  |
| 200316 | 16 | 68 | 32 | 454g  |
| 200320 | 20 | 80 | 38 | 785g  |
| 200322 | 22 | 85 | 44 | 1285g |
| 200325 | 25 | 95 | 50 | 1866g |



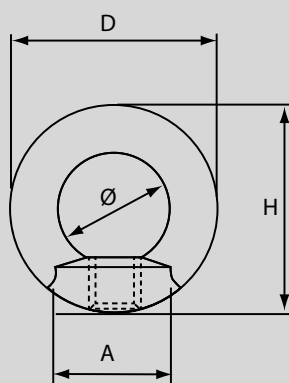
Hot Dipped  
Galvanised



### GALVANISED BOW SHACKLE

• Hot dipped galvanised Bow Shackle suitable for non rated applications

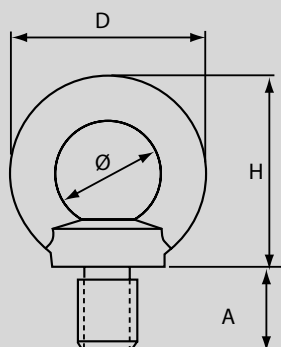
| Code   | A  | B  | L  | W  | Wgt   |
|--------|----|----|----|----|-------|
| 205305 | 5  | 10 | 19 | 15 | 16g   |
| 205306 | 6  | 13 | 25 | 18 | 28g   |
| 205308 | 8  | 16 | 32 | 24 | 52g   |
| 205310 | 10 | 19 | 41 | 20 | 112g  |
| 205312 | 12 | 25 | 51 | 39 | 183g  |
| 205316 | 16 | 32 | 68 | 48 | 486g  |
| 205320 | 20 | 38 | 80 | 57 | 844g  |
| 205322 | 22 | 85 | 44 | 66 | 1285g |
| 205325 | 25 | 95 | 50 | 75 | 1866g |



### GALVANISED EYE NUT

• Din standard 582 - C15 grade gold (zinc) finish, marked with identifications & WLL

| Code   | Size | WLL  | Ø  | A  | D   | H    | Wgt    |
|--------|------|------|----|----|-----|------|--------|
| 359206 | M6   | 0.07 | 17 | 20 | 28  | 36   | 0.055g |
| 359208 | M8   | 0.14 | 20 | 20 | 36  | 36   | 0.06g  |
| 359210 | M10  | 0.23 | 25 | 25 | 45  | 45   | 0.1g   |
| 359212 | M12  | 0.34 | 30 | 30 | 54  | 53   | 0.19g  |
| 359216 | M16  | 0.70 | 35 | 35 | 63  | 62   | 0.31g  |
| 359220 | M20  | 1.2  | 40 | 40 | 72  | 71   | 0.45g  |
| 359222 | M22  | 1.5  | 45 | 45 | 81  | 80.5 | 0.68g  |
| 359224 | M24  | 1.8  | 50 | 50 | 90  | 90   | 0.72g  |
| 359227 | M27  | 2.5  | 50 | 50 | 90  | 97   | 1.16g  |
| 359230 | M30  | 3.6  | 65 | 65 | 108 | 109  | 1.6g   |



### GALVANISED EYE BOLT W/COLLAR

• Din standard 580 - C15 grade gold (zinc) finish, marked with identifications & WLL

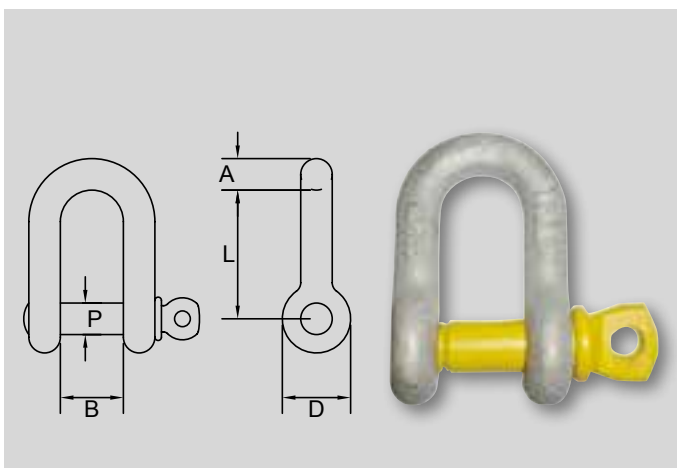
| Code   | Size | WLL  | Ø  | A  | D  | H    | Wgt    |
|--------|------|------|----|----|----|------|--------|
| 359106 | M6   | 0.07 | 17 | 13 | 28 | 36   | 0.055g |
| 359108 | M8   | 0.14 | 20 | 13 | 36 | 36   | 0.06g  |
| 359110 | M10  | 0.23 | 25 | 17 | 45 | 45   | 0.1g   |
| 359112 | M12  | 0.34 | 30 | 20 | 54 | 53   | 0.19g  |
| 359116 | M16  | 0.70 | 35 | 27 | 63 | 62   | 0.31g  |
| 359120 | M20  | 1.2  | 40 | 30 | 72 | 71   | 0.45g  |
| 359122 | M22  | 1.5  | 45 | 35 | 81 | 80.5 | 0.68g  |
| 359124 | M24  | 1.8  | 50 | 36 | 90 | 90   | 0.72g  |

# SHACKLES / SLINGS / TIE DOWN STRAPS

## GOLD PIN GRADE S DEE SHACKLES

- Safety Pin Grade S Dee shackles available on request
- Conforms to AS2741

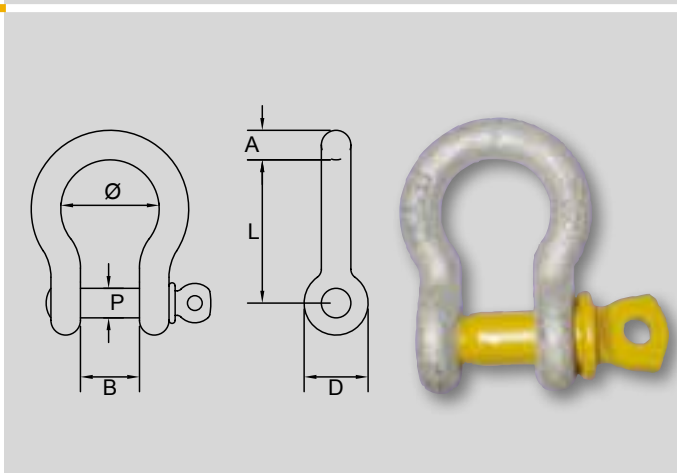
| Code   | A  | P  | B  | L   | D  | WLL   |
|--------|----|----|----|-----|----|-------|
| 241306 | 6  | 8  | 13 | 26  | 17 | 500   |
| 241308 | 8  | 10 | 14 | 31  | 22 | 750   |
| 241310 | 10 | 11 | 17 | 37  | 25 | 1000  |
| 241311 | 11 | 13 | 19 | 43  | 28 | 1500  |
| 241313 | 13 | 16 | 21 | 49  | 32 | 2000  |
| 241316 | 16 | 19 | 26 | 60  | 41 | 3250  |
| 241319 | 19 | 22 | 32 | 71  | 49 | 4750  |
| 241322 | 22 | 25 | 37 | 83  | 56 | 6500  |
| 241325 | 25 | 29 | 42 | 92  | 60 | 8500  |
| 241329 | 29 | 32 | 45 | 105 | 65 | 9500  |
| 241332 | 32 | 35 | 51 | 117 | 77 | 12000 |



## GOLD PIN GRADE S BOW SHACKLES

- Safety Pin Grade S Bow shackles available on request
- Conforms to AS2741

| Code   | A  | P  | B  | Ø  | L   | D  | WLL   |
|--------|----|----|----|----|-----|----|-------|
| 242306 | 6  | 8  | 12 | 20 | 32  | 17 | 500   |
| 242308 | 8  | 10 | 14 | 21 | 35  | 22 | 750   |
| 242310 | 10 | 11 | 17 | 26 | 36  | 26 | 1000  |
| 242311 | 11 | 13 | 18 | 29 | 48  | 27 | 1500  |
| 242313 | 13 | 16 | 21 | 33 | 55  | 32 | 2000  |
| 242316 | 16 | 19 | 26 | 42 | 70  | 41 | 3250  |
| 242319 | 19 | 22 | 32 | 50 | 82  | 49 | 4750  |
| 242322 | 22 | 25 | 37 | 58 | 95  | 56 | 6500  |
| 242325 | 25 | 29 | 42 | 68 | 103 | 60 | 8500  |
| 242329 | 29 | 32 | 45 | 73 | 122 | 65 | 9500  |
| 242332 | 32 | 35 | 51 | 80 | 137 | 77 | 12000 |



## MEGA ROUND SLINGS

- 100% Polyester, Test Certificates with every sling
- Higher Tonnage on request

| Code    | WLL  | Colour |
|---------|------|--------|
| MRS1000 | 1000 | Violet |
| MRS2000 | 2000 | Green  |
| MRS3000 | 3000 | Yellow |

Available in any of the following Lengths:

1m 1.5m 2m 2.5m 3m 3.5m 4m 4.5m 5m

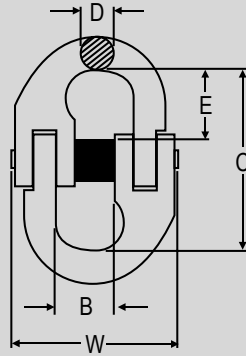


## RATCHET TIE-DOWN STRAPS

- All Comply with AS/NZS 4380
- Complete With Hook and Keeper each end
- \*Only comes with "S" Hooks each end

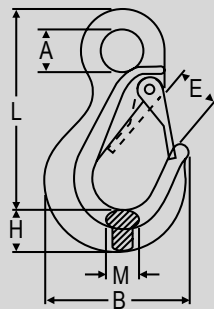
| Code      | Length | Width | Load Capacity |
|-----------|--------|-------|---------------|
| LCT0.25T* | 4m     | 25mm  | 250Kg         |
| LCT0.5T*  | 6m     | 35mm  | 500Kg         |
| LCT1.5T   | 6m     | 35mm  | 1500Kg        |
| LCT2.5T   | 9m     | 50mm  | 2500Kg        |
| LCT5.0T   | 9m     | 75mm  | 5000Kg        |





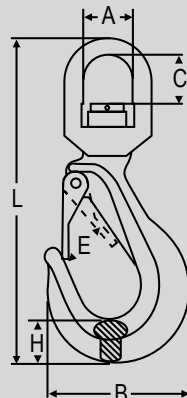
### G80 CHAIN CONNECTER

| Code   | Chain Size | WLL  | B  | C     | D    | E    | W   | Wgt   |
|--------|------------|------|----|-------|------|------|-----|-------|
| 884206 | 6          | 1.12 | 15 | 42    | 7    | 18   | 43  | 0.08  |
| 884207 | 7,8        | 2    | 18 | 60.5  | 8.5  | 23.5 | 55  | 0.146 |
| 884210 | 10         | 3.15 | 25 | 68    | 11.5 | 27   | 69  | 0.3   |
| 884213 | 13         | 5.3  | 29 | 87    | 15   | 32   | 83  | 0.7   |
| 884220 | 18,20      | 12.5 | 41 | 121.5 | 24   | 52.5 | 117 | 2.1   |



### G80 SLING HOOK (EYE TYPE)

| Code   | Chain Size | WLL | A    | B     | E  | H    | M    | L     | Wgt |
|--------|------------|-----|------|-------|----|------|------|-------|-----|
| 885806 | 6          | 1.1 | 20   | 74    | 22 | 20.5 | 18   | 122   | 0.3 |
| 885807 | 7,8        | 2   | 25.5 | 83    | 26 | 23.5 | 18   | 138.5 | 0.5 |
| 885810 | 10         | 3.2 | 32.5 | 107   | 34 | 30   | 20   | 176.5 | 0.8 |
| 885813 | 13         | 5.3 | 39.5 | 134.3 | 41 | 37.5 | 29.5 | 218   | 1.9 |
| 885816 | 16         | 8   | 50   | 157.5 | 44 | 42.5 | 34   | 260   | 3.4 |



### G80 SLING HOOK (SWIVEL TYPE)

| Code   | Chain Size | WLL  | A  | B     | C  | E  | H    | L     | Wgt  |
|--------|------------|------|----|-------|----|----|------|-------|------|
| 885408 | 8          | 2    | 36 | 88.5  | 26 | 27 | 23.5 | 190   | 0.85 |
| 885410 | 10         | 3.15 | 42 | 104.5 | 34 | 32 | 29.5 | 233   | 1.54 |
| 885413 | 13         | 5.3  | 49 | 135   | 41 | 40 | 38   | 291.5 | 3.04 |
| 885416 | 16         | 8    | 61 | 161   | 53 | 45 | 45.4 | 352   | 5.36 |

## STAINLESS / GALVANISED

### MEDIUM LINK POLISHED CHAIN AISI 316

- A quality 316gr polished chain to Australian standard sizes • Sold per metre
- Mill & Tensile reports available on request
- Short link available on request
- Not suitable for lifting applications

| Code       | D    | L    | W    | RWL  | TDL  | Wgt/Mtr |
|------------|------|------|------|------|------|---------|
| CSS316R-02 | 2.0  | 16.0 | 7.5  | 75   | 280  | 78g     |
| CSS316R-03 | 3.0  | 25.0 | 11.0 | 110  | 450  | 158g    |
| CSS316R-04 | 4.0  | 26.8 | 15.5 | 200  | 810  | 315g    |
| CSS316R-05 | 4.9  | 30.0 | 18.0 | 320  | 1275 | 488g    |
| CSS316R-06 | 6.0  | 38.0 | 24.0 | 450  | 1785 | 732g    |
| CSS316R-08 | 8.0  | 48.0 | 28.5 | 800  | 3250 | 1304g   |
| CSS316R-10 | 10.0 | 60.0 | 38.0 | 1260 | 5095 | 2045g   |
| CSS316R-12 | 12.0 | 74.0 | 43.0 | 1800 | 7250 | 2900g   |

### CHAIN LINK CLIP AISI 316

| Code      | A  | B  | D  | L  | L1 | Wgt  |
|-----------|----|----|----|----|----|------|
| SS-10C-11 | 17 | 41 | 11 | 44 | 66 | 132g |
| SS-10C-16 | 24 | 59 | 16 | 64 | 96 | 379g |

### QUICK LINK AISI 316

| Code       | B  | D    | G  | L  | TDL  | Wgt  |
|------------|----|------|----|----|------|------|
| SS-7350-04 | 12 | 4.0  | 6  | 33 | 900  | 12g  |
| SS-7350-05 | 13 | 5.0  | 7  | 39 | 1200 | 21g  |
| SS-7350-06 | 14 | 6.0  | 8  | 46 | 1600 | 36g  |
| SS-7350-08 | 18 | 8.0  | 9  | 60 | 2800 | 80g  |
| SS-7350-10 | 22 | 10.0 | 13 | 72 | 4200 | 141g |

### MEDIUM LINK CHAIN HOT DIPPED GALVANISED

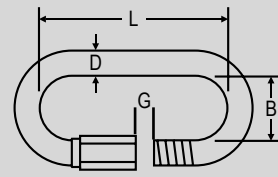
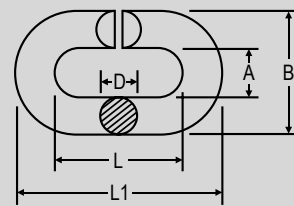
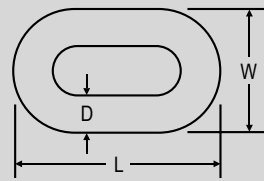
- Hot dipped galvanised finish
- Sold in 50Kg bucket or per metre
- General purpose chain for non rated applications
- Not suitable for lifting applications

| Code    | D    | L    | W    | RWL | TDL  | 50Kg | Length |
|---------|------|------|------|-----|------|------|--------|
| CGRL-03 | 3.0  | 21.7 | 13.1 | 100 | 400  | Yes  | 250m   |
| CGRL-04 | 4.0  | 26.6 | 16.0 | 125 | 510  | Yes  | 153m   |
| CGRL-05 | 5.0  | 32.0 | 19.4 | 205 | 830  | Yes  | 97m    |
| CGRL-06 | 6.0  | 38.1 | 22.1 | 340 | 1370 | Yes  | 60m    |
| CGRL-08 | 8.0  | 48.2 | 29.5 | 560 | 2245 | Yes  | 37m    |
| CGRL-10 | 10.0 | 59.1 | 36.2 | 890 | 3570 | Yes  | 24m    |
| CGRL-13 | 13.0 | 76.0 | 46.0 | -   | -    | Yes  | 14m    |

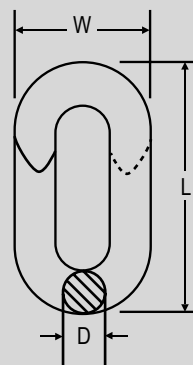
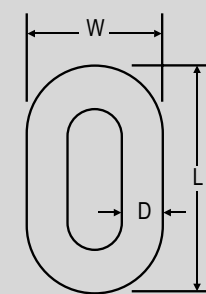
### GALVANISED CHAIN REPAIR LINK

- Suitable for joining galvanised chain lengths
- Quick easy connection or termination of chain
- Manufactured from mild steel • Hammer shut & weld if needed
- Larger gap for easier attachment to chain or fittings
- Electro plated finish; for anti-corrosion & easy welding
- Suggest select nominal chain diameter plus one size up
- Not suitable for lifting purposes

| Code   | D  | W    | L    | Opening |
|--------|----|------|------|---------|
| 420305 | 5  | 9.5  | 23   | 6       |
| 420306 | 6  | 10.5 | 29   | 7       |
| 420308 | 8  | 15   | 37   | 9       |
| 420310 | 10 | 17   | 37.5 | 10      |
| 420313 | 13 | 20   | 40   | 13      |

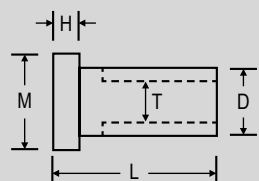


### Hot Dipped Galvanised



# STAINLESS STEEL FASTENERS

## BLIND RIVET NUTS

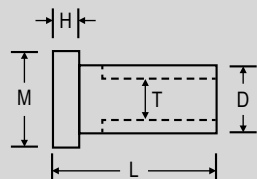


### BLIND RIVET NUT - LARGE FLANGE AISI 304

- Female threaded insert for fixing eye screws / glass clamps to post
- insert with nutsert tool (see page 72)
- for wall thickness less than 4.0mm

#### Wall

| Code        | T   | Hand  | Thickness | D    | H   | L  | M    | Sold |
|-------------|-----|-------|-----------|------|-----|----|------|------|
| NS-SS-M05-R | M5  | Right | < 4.0mm   | 7    | 1.1 | 13 | 9.5  | Each |
| NS-SS-M06-L | M6  | Left  | < 4.0mm   | 9    | 1.5 | 16 | 12   | Each |
| NS-SS-M06-R | M6  | Right | < 4.0mm   | 9    | 1.5 | 16 | 12   | Each |
| NS-SS-M08-R | M8  | Right | < 4.0mm   | 11   | 1.6 | 18 | 15   | Each |
| NS-SS-M10-R | M10 | Right | < 4.0mm   | 12.5 | 2   | 21 | 16.5 | Each |

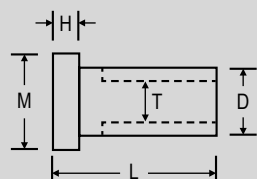


### BLIND RIVET NUT - LARGE FLANGE AISI 304

- Female threaded insert for fixing eye screws / glass clamps to post
- insert with nutsert tool (see page 72)
- for larger wall thickness between 4.2mm to 6.6mm

#### Wall

| Code           | T  | Hand  | Thickness      | D  | H | L  | M  | Sold |
|----------------|----|-------|----------------|----|---|----|----|------|
| NS-SS-LG-M06-L | M6 | Left  | 4.2mm to 6.6mm | 10 | 1 | 18 | 13 | Each |
| NS-SS-LG-M06-R | M6 | Right | 4.2mm to 6.6mm | 10 | 1 | 18 | 13 | Each |

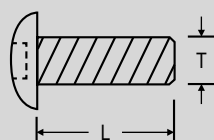


### BLIND RIVET NUT - SMALL FLANGE AISI 304

- Female threaded insert for fixing eye screws / glass clamps to post
- insert with nutsert tool (see page 72)
- for wall thickness less than 4.0mm

#### Wall

| Code           | T  | Hand  | Thickness | D | H    | L  | M    | Sold |
|----------------|----|-------|-----------|---|------|----|------|------|
| NS-SS-SF-M06-L | M6 | Left  | < 4.0mm   | 9 | 0.51 | 14 | 10.2 | Each |
| NS-SS-SF-M06-R | M6 | Right | < 4.0mm   | 9 | 0.51 | 14 | 10.2 | Each |



### BUTTON HEAD CAP SCREW AISI 304

- Use with blind rivet nut to fasten fittings/glass clamps to handrail

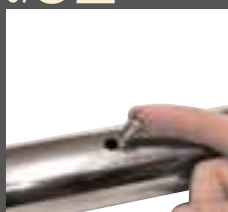
| Code      | T  | L    | Sold |
|-----------|----|------|------|
| BHTS-0530 | M5 | 30.0 | each |
| BHTS-0550 | M5 | 52.7 | each |
| BHTS-0620 | M6 | 23.5 | each |
| BHTS-0640 | M6 | 40.0 | each |
| BHTS-0820 | M8 | 24.4 | each |
| BHTS-0850 | M8 | 54.5 | each |

## INSTALLATION OF BLIND RIVET NUTS

STEP 01



STEP 02



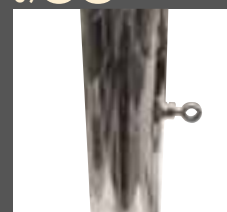
STEP 03



STEP 04



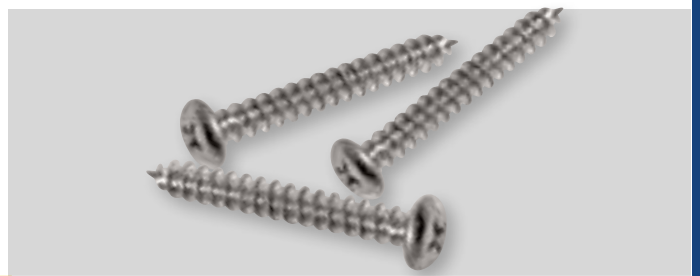
STEP 05



**SCREWS - PAN & CSK HEAD STAINLESS STEEL AISI 304**

• Self Tapper Phillips Drive 304grade

| Code     | Gauge | Length | Head |
|----------|-------|--------|------|
| STCP6114 | 6     | 1 1/4" | CSK  |
| STCP8114 | 8     | 1 1/4" | CSK  |
| STPP81   | 8     | 1"     | PAN  |
| STPP101  | 10    | 1"     | PAN  |

**POP RIVETS ALL STAINLESS STEEL AISI 304**

• S/Steel Shaft and Head

| Code    | Ø   | Length | Sold |
|---------|-----|--------|------|
| PRST4-3 | 3.2 | 5.0    | each |
| PRST5-2 | 4.0 | 3.2    | each |
| PRST5-4 | 4.0 | 6.4    | each |
| PRST6-6 | 4.8 | 9.6    | each |

**ALL THREAD STAINLESS STEEL AISI 304**

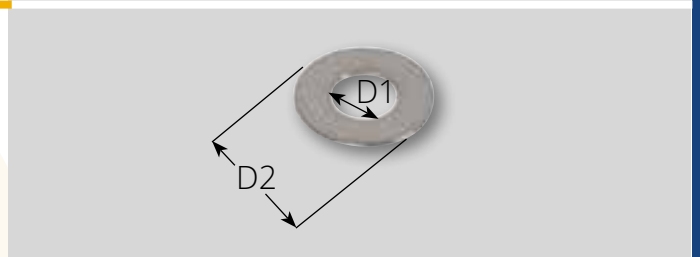
| Code   | Size | Sold  | Weight |
|--------|------|-------|--------|
| ATM-06 | M6   | Metre | 0.22kg |
| ATM-08 | M8   | Metre | 0.31kg |
| ATM-10 | M10  | Metre | 0.49kg |
| ATM-12 | M12  | Metre | 0.71kg |
| ATM-16 | M16  | Metre | 1.31kg |
| ATM-20 | M20  | Metre | 2.05kg |

**ALL THREAD ROD - ZINC**

| Code    | Size | Sold  | Weight |
|---------|------|-------|--------|
| ATMZ-06 | M6   | Metre | 0.22Kg |
| ATMZ-08 | M8   | Metre | 0.31Kg |
| ATMZ-10 | M10  | Metre | 0.49Kg |
| ATMZ-12 | M12  | Metre | 0.71Kg |
| ATMZ-16 | M16  | Metre | 1.31Kg |
| ATMZ-20 | M20  | Metre | 2.05Kg |

**FLAT WASHER STAINLESS STEEL AISI 304**

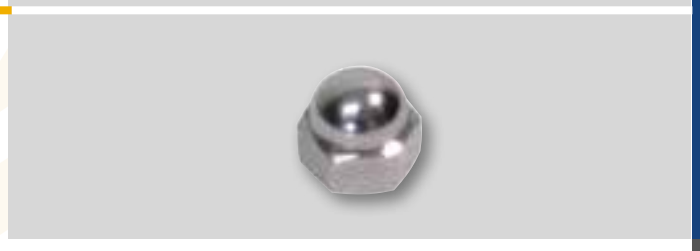
| Code       | Size | D1   | D2 | Sold |
|------------|------|------|----|------|
| SS-WASH-06 | 6    | 6.3  | 15 | each |
| SS-WASH-08 | 8    | 8.5  | 19 | each |
| SS-WASH-10 | 10   | 10.2 | 22 | each |
| SS-WASH-12 | 12   | 13.4 | 27 | each |
| SS-WASH-14 | 14   | 14.6 | 31 | each |

**HEX NUT STAINLESS STEEL AISI 304**

| Code      | Size | Sold |
|-----------|------|------|
| SS-NUT-05 | M5   | each |
| SS-NUT-06 | M6   | each |
| SS-NUT-08 | M8   | each |
| SS-NUT-10 | M10  | each |
| SS-NUT-12 | M12  | each |
| SS-NUT-16 | M16  | each |
| SS-NUT-20 | M20  | each |
| SS-NUT-24 | M24  | each |

**DOME NUT STAINLESS STEEL AISI 304**

| Code      | Size | Sold |
|-----------|------|------|
| SS-DN-M5  | M5   | each |
| SS-DN-M6  | M6   | each |
| SS-DN-M8  | M8   | each |
| SS-DN-M10 | M10  | each |
| SS-DN-M12 | M12  | each |





### OPT HYDRAULIC SWAGE PRESS

- Quality hydraulic swage press for precise swaging of terminals and machine ferrules
- Full range of spare parts available
- Use in conjunction with HPCP-700B

| Code      | H   | Output | Wire Range Ø | Wgt  |
|-----------|-----|--------|--------------|------|
| HPCO-630  | 360 | 30T    | 2.5-6.0mm    | 16Kg |
| HPCO-1000 | 420 | 50T    | 2.5-16.0mm   | 38Kg |



### OPT HYDRAULIC HAND PUMP

- Quality hydraulic manual hand pump for swaging
- Used in conjunction with HPCO-630 or HPCO-1000 hydraulic press

| Code      | Capacity | H   | L   | Output    | W   | Wgt  |
|-----------|----------|-----|-----|-----------|-----|------|
| HPCP-700B | 700cc    | 150 | 600 | 13cc/Str. | 150 | 13kg |



### DIES TO SUIT HPCO-630 HYDRAULIC PRESS

- Other sizes available on request
- Dies to suit HPCO-1000 available on request

#### HEX DIES SUIT 30 TONNE PRESS

- For swaging s/steel terminals

| Code          | Rope Ø      |
|---------------|-------------|
| HPCO-630-2.5H | 2.5mm       |
| HPCO-630-3H   | 3.2mm       |
| HPCO-630-3-3H | 3.2 / 3.2mm |
| HPCO-630-3-4H | 3.2 / 4.0mm |
| HPCO-630-4H   | 4.0mm       |
| HPCO-630-5H   | 5.0mm       |
| HPCO-630-6H   | 6.0mm       |

#### ROUND DIES TO SUIT 30 TONNE PRESS

- For swaging alloy or copper ferrules

| Code        | Rope Ø |
|-------------|--------|
| HPCO-630-3R | 3.2mm  |
| HPCO-630-4R | 4.0mm  |
| HPCO-630-5R | 5.0mm  |
| HPCO-630-6R | 6.0mm  |



COMES COMPLETE  
WITH HAND PUMP

### TALURIT STYLE SWAGE PRESS

- The Swager has a single pillar open throat design, which makes swaging easy
- It can be used either vertically or horizontally, bench mounted or free standing, which offers total flexibility
- Whenever this Swager is used, the lightweight and simple operation will underline the flexibility
- An adjustable stand can be offered as an option
- Four different power units can be combined with this swager; hand pump, air-hydraulic pump (foot pump), electric portable pump and a hydraulic unit
- Digital pressure gauge is an option to the hydraulic unit
- Also available in 75T and 150T

| Code     | Output | Wire Range Ø | Wgt  |
|----------|--------|--------------|------|
| GPP18TLH | 18T    | 2.5 – 4mm    | 24Kg |
| GPP30TLH | 30T    | 2.5 – 6mm    | 41Kg |

## PRESS PARTS

### PRESSURE GAUGE FOR HYDRAULIC PRESS

- Optional gauge for HPCO-630 or HPCO-1000

| Code    | Max. Pressure |
|---------|---------------|
| GA-1000 | 700Kg/Cm2     |



### HYDRAULIC HOSE REPLACEMENT W/COUPLINGS

- Replacement hose for HPCP-700B

| Code | Length |
|------|--------|
| H-18 | 1.8M   |



### REPLACEMENT QUICK COUPLING FOR HYDRAULIC PRESS

- Replacement coupling set for HPCO-630 or HPCO-1000

| Code |
|------|
| C-18 |



### REPLACEMENT COVER CAP FOR HYDRAULIC COUPLING

- Replacement cover cap for HPCO-630, HPCO-1000 or HPCP-700B

| Code |
|------|
| C-15 |



### RIKEN PUMP SMP-30 (40) AR SERIES

- A single-acting cylinder is operated by remote controlled operating switch
- The pump stops automatically and the cylinder returns at a preset pressure of the pressure switch (automatic return type)
- The pump can be changed to NV/SK types by changing the operating valve, pasts, etc.

| Code    |
|---------|
| SMP-30R |





### BUDGET HAND SWAGER

- For swaging of wire rope ferrules only (see page 16)

| Code      | L   | Wire Swage Ø                | Wgt     |
|-----------|-----|-----------------------------|---------|
| HS-14     | 350 | 2.0 / 2.5 / 3.2             | 1.019Kg |
| HS-24     | 600 | 2.0 / 2.5 / 3.2 / 4.0 / 5.0 | 2.709Kg |
| HS-25     | 635 | 6.0                         | 2.292Kg |
| HSC-345CR | 600 | 3.2/4.0/5.0                 | 4.0kg   |

### SWAGING DETAIL



### PROFESSIONAL QUALITY – CLAMP HAND SWAGE TOOLS

- Made in New Zealand – Professional Quality
- Jaws made from alloy steel, hardened and tempered
- Replacement jaws available on request
- Bench mount adaption also available for repetitive workshop operations

| Code   | Arm Length | Wire Swage Ø | Wgt     |
|--------|------------|--------------|---------|
| CP-731 | 300        | 1.5/2.0/2.5  | 0.85 Kg |
| CP-763 | 600        | 2.0/2.5/3.2  | 2.75 Kg |
| CP-774 | 750        | 3.2/4.0      | 4.0 Kg  |
| CP-775 | 750        | 4.0/5.0      | 4.0 Kg  |
| CP-776 | 750        | 6.0          | 4.0 Kg  |
| CP-778 | 750        | 8.0          | 4.0 Kg  |
| CP-799 | 900        | 10.0         | 6.5 Kg  |

## ROPE CUTTERS / TENSION GAUGE

### AC-8 WIRE ROPE CUTTER – BUDGET

- Sharp wire rope cutter suitable for cutting 0.6 - 4.0mm rope

| Code | L   | Wire Ø    | Wgt    |
|------|-----|-----------|--------|
| AC-8 | 180 | 0.6 - 4.0 | 0.31Kg |



### AC-200 WIRE ROPE CUTTER – BUDGET

- Sharp forged handle wire rope cutter suitable for cutting 0.6 - 8.0mm rope

| Code   | L   | Wire Ø    | Wgt   |
|--------|-----|-----------|-------|
| AC-200 | 600 | 0.6 - 8.0 | 2.1Kg |



### HAND WIRE ROPE CUTTER – PROFESSIONAL QUALITY

- Quality HIT wire rope cutter suitable for cutting 0.6 - 4.0mm rope
- Designed for cutting all soft and hard steel cable and wire

| Code   | L   | Wire Ø | Wgt    |
|--------|-----|--------|--------|
| HWC-04 | 190 | 4      | 0.31Kg |



### HEAVY DUTY WIRE ROPE CUTTERS – PROFESSIONAL QUALITY

- Designed for cutting soft and hard cable, wire rope, ACSR cable
- Quality sharp wire rope cutters which cut cleanly without leaving behind splayed edges

| Code   | L   | Wire Ø | Wgt    |
|--------|-----|--------|--------|
| HWC-09 | 335 | 9      | 0.71Kg |
| HWC-12 | 520 | 12     | 1.50Kg |
| HWC-16 | 650 | 16     | 2.50Kg |

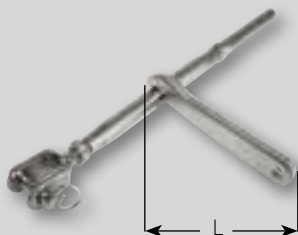


### WIRE ROPE TENSION GAUGE

- Professional tension gauge for accurate measurement of tension in balustrade and rigging wire
- High accuracy
- Easy to use
- Hands free tensioning

| Code    | Rope Size   | Length |
|---------|-------------|--------|
| TG-WR-1 | 2.5/3.2/4.0 | 270    |

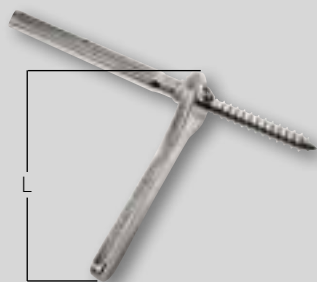




### C SPANNER FOR M5 RIGGING SCREW (Z/P STEEL)

- Easy to use tool for turning the body of an M5 rigging screw

| Code        | Length | Wgt |
|-------------|--------|-----|
| CSPAN-RS-M5 | 70     | 23g |



### C SPANNER FOR M5 TERMINALS (Z/P STEEL)

- Easy to use tool for tightening M5 terminals
- Suited to LS-M5 and SS-312LT-532

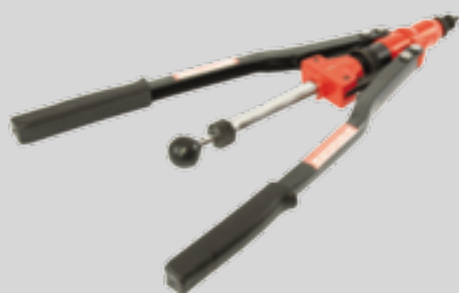
| Code         | Length | Wgt |
|--------------|--------|-----|
| CSPAN-LST-M5 | 70.5   | 32g |



### C SPANNER FOR M6 TERMINALS (Z/P STEEL)

- Easy to use tool for tightening M6 terminals
- Suited to SS-7831L/R and LS-M6

| Code         | Length | Wgt |
|--------------|--------|-----|
| CSPAN-LST-M6 | 70.5   | 32g |



### BLIND RIVET NUT HAND TOOL

- For fast insertion of all types of rivet nuts
- Inserts both right and left hand thread rivet nuts
- Comes with full range of right hand thread mandrels M4 - M10
- Left hand mandrels need to be ordered separately

| Code | Rivets   | Length | Wgt   |
|------|----------|--------|-------|
| HN-2 | M4 - M10 | 440    | 1.6Kg |



### REPLACEMENT MANDRELS FOR HN-2 BLIND RIVET NUT TOOL

| Code      | Thread | Hand  | Wgt |
|-----------|--------|-------|-----|
| HN-M-04   | M4     | Right | 14g |
| HN-M-05   | M5     | Right | 16g |
| HN-M-06   | M6     | Right | 19g |
| HN-M-06-L | M6     | Left  | 19g |
| HN-M-08   | M8     | Right | 27g |

## DRILL BITS

### DRILL BITS - ALPHA COBALT SERIES

- 135 deg Split Point allows faster drilling and minimises wandering
- HSS Cobalt High Quality hardened drill
- Superior Performance for drilling stainless steel and high tensile material

| Code         | Description                              |
|--------------|------------------------------------------|
| DB-J8C-11.0  | Drill Bit - Jobber - HSS 8% Cobalt 11mm  |
| DB-J8C-11/32 | Drill Bit - Jobber - HSS 8% Cobalt 11/32 |
| DB-J8C-4.0   | Drill Bit - Jobber - HSS 8% Cobalt 4.0mm |
| DB-J8C-8.0   | Drill Bit - Jobber - HSS 8% Cobalt 8.0mm |
| DB-J8C-9.0   | Drill Bit - Jobber - HSS 8% Cobalt 9.0mm |



### DRILL BITS - ALPHA GOLD SERIES

- 135 deg Split Point allows faster drilling and minimises wandering
- Drills Metal, Wood & Plastic
- Titanium Nitride (Gold) Coated which increases the life of the drill

| Code         | Description                             |
|--------------|-----------------------------------------|
| DB-JTN-11.0  | Drill Bit - Jobber - HSS T/N 11.0mm     |
| DB-JTN-11/32 | Drill Bit - Jobber - HSS T/N 11/32'     |
| DB-JTN-3.0   | Drill Bit - Jobber - HSS T/N 3.0mm -2pc |
| DB-JTN-3.5   | Drill Bit - Jobber - HSS T/N 3.5mm      |
| DB-JTN-4.0   | Drill Bit - Jobber - HSS T/N 4.0mm      |
| DB-JTN-4.5   | Drill Bit - Jobber - HSS T/N 4.5mm      |
| DB-JTN-5.0   | Drill Bit - Jobber - HSS T/N 5.0mm      |
| DB-JTN-8.0   | Drill Bit - Jobber - HSS T/N 8.0mm      |
| DB-JTN-9.0   | Drill Bit - Jobber - HSS T/N 9.0mm      |



### DRILL BITS - ASSORTED

| Code        | Description                             |
|-------------|-----------------------------------------|
| DB-HDB-05   | Drill Bit - Hex Driver Bit - 5mm x 50mm |
| DB-HIB-06   | Drill Bit - Hex Insert Bit - 6mm x 32mm |
| DB-PH2-50   | Drill Bit - Phillips #2 - 50mm          |
| DB-SPWA-8.0 | Drill Bit - Scotch Patt Wood Auger 8mm  |
| DB-TBS-8.0  | Drill Bit - Turbo Bore Spade - 8.0mm    |



# SPECIALISED PRODUCTS



FOR EASY ASSEMBLY

## TWO PART EPOXY GLUE SETS

- Epoxy glue sets for fast and easy assembly of handrail components to tube
- Heat resistant

| Code       | Size       | Total |
|------------|------------|-------|
| EP906-TUBE | 30g/Piece  | 60g   |
| EP906-TIN  | 300g/Piece | 600g  |

## EPOXY GLUE SETS

We now offer a range of stainless steel two part epoxy glue sets for fixing our modular handrail components to tube. This simple yet effective fixing method eliminates welding & pop riveting of fittings and cures within an hour.



## ULTRALOC

- Anaerobic high strength, high performance retaining compound for slip fitted parts. Ideal for gap filling up to 0.15mm. Suitable for retaining sleeves, pulleys, gears, rotors, & for securing bearings, bushings, and plugs in housings.
- Full range of Ultraloc products available

| Code    | Size  |
|---------|-------|
| M368010 | 10ml  |
| M368050 | 50ml  |
| M368025 | 250ml |



## SUPER GLUE

- Convenient easy to use dual syringe extra strong epoxy. 30 minutes setting time. No measuring required. Resists water, gasoline and shop solvents. Fully cures in seven hours.

| Code   | Size     |
|--------|----------|
| MSY-SS | 10z Card |



## PRO WELD COLD WELDING COMPOUND

- Proseal Cold Weld compound eliminates welding and brazing. Can be tapped, drilled, machined, sanded or filed. Sets in 15 mins, full cure 12 hrs. Resistant to petrol, diesel, oil, hot oil, water and antifreeze.

| Code   | Size          |
|--------|---------------|
| M64600 | 2 x 28g Tubes |



## SPRAYSAFE SILICONE

- Spraysafe Silicone is a high quality food grade silicone fluid in an aerosol form. It is a colourless, odourless protective lubricant. It is non conductive, and is water resistant. Will not affect plastics or polycarbonates.

| Code | Size         |
|------|--------------|
| M808 | 250g Aerosol |



## SUPA SQUIRT - TEFLON

- Supa Squirt WD2000 is a powerful water dispersing, lubricating and penetrating fluid containing Teflon. Protects machinery, toys, guns, fishing tackle etc. Disperses water, lubricates & loosens nuts, bolts etc.

| Code | Size         |
|------|--------------|
| M830 | 400g Aerosol |



## GLASS CLEANER

- The perfect streak free, fast-acting industrial strength Glass Cleaner that's easy to use- simply spray on and wipe off. Also suitable for use on mirrors and chrome, Molytec's Glass Cleaner quickly removes smudges and smoke build-up.

| Code | Size         |
|------|--------------|
| M809 | 500g Aerosol |



## SILVA N ZINC

- A fast drying, industrial strength 100% epoxy coating to protect steel against corrosion, with a gloss silver finish. Uses a 93% purity zinc dust, the dry film contains 48% zinc dust. For touching up hot dipped gal structures, can be used on all types of ferrous substrates.

| Code   | Size         |
|--------|--------------|
| MD1005 | 400g Aerosol |

## PROTECTION & LUBRICANT CLEANING PRODUCTS

### NICKELTEC ANTI-SEIZE

- A nickel based anti-seize compound. Recommended for use with stainless steel and other alloys where a copper based anti-seize is unsuitable. Contains anti-oxidants, anticorrosion inhibitors, nickel and metallic particles in a bentone base. Resistant to acid, alkali, seawater, water and steam. Remains effective at surface temps up to 1450°C.

| Code | Size               |
|------|--------------------|
| M868 | 300g Aerosol       |
| M899 | 65g Tube           |
| M831 | 225g Brush Top Tin |
| M891 | 225g Tube          |
| M825 | 450g Brush Top Tin |
| M826 | 2Kg Pail           |



### MOLYPASTE ANTI-GAL

- A molybdenum disulphide and nickel based stainless thread lubricant. Molypaste anti-galling paste and anti-seize compound providing low friction coating to prevent galling and heat freeze
- With rust and corrosion inhibitors, contains no graphite, copper or lead
- Ideal for use on stainless steel fasteners, flange and pump bolts, metal fittings etc.
- Not recommended for ball bearings or oxygen lines

| Code | Size               |
|------|--------------------|
| M819 | 65g Tube           |
| M801 | 250g Brush Top Tin |



Protects assemblies exposed to temps up to 500°C.

### EZICUT LUBRICANT

- An operator friendly pre-mixed water based blend of natural oils and waxes suitable for general purpose and industrial machining, milling, cutting, drilling, grinding and tapping. Environmentally friendly, nontoxic and non-flammable.

| Code   | Size      |
|--------|-----------|
| MEC1L  | 1L Bottle |
| MECSL  | 5L Jerry  |
| MEC20L | 20L Drum  |



### WOOLUBE GREASE

- A thick, tacky, lanolin grease with high load capabilities. Highly water resistant, an excellent anti-corrosive, thread anti-seize, and general lubricant.

| Code    | Size       |
|---------|------------|
| MWG300T | 300ml Tub  |
| MWG450C | 450ml Cart |
| MWG1    | 1L Pail    |
| MWG4    | 4L Pail    |
| MWG10   | 10L Pail   |
| MWG20   | 20L Pail   |



### METAL CUTTING / WORKING COMPOUND

- Molyslip high performance metal working compound. Low melting point compound for use with all metals including titanium and nimonics. Contains molybdenum disulphide to provide extreme pressure performance and lubricity.

| Code   | Size     |
|--------|----------|
| M816   | 65g Tube |
| M40004 | 450g Tin |
| M40030 | 3Kg Tin  |



### OZSPRAY

- Aerosol and sprayable form of Woolube grease. Dries to a fine film. Water displacer, penetrant, lubricant. Provides lanolin's famous corrosion protection. For use on ferrous and non-ferrous materials, and many plastics

| Code     | Size         |
|----------|--------------|
| MOZS300C | 300g Aerosol |
| MOZ750ml | 750ml Bottle |
| MOZ1L    | 1L Jerry     |
| MOZ5L    | 5L Jerry     |
| MOZ20L   | 20L Drum     |



### OZSPRAY INDUSTRY EXTRA

- Extra strength lubricant for heavy duty applications. Contains more waxes making it more water resistant, and leaves a thicker film. Excellent anti-corrosive protectant and lubricant.

| Code      | Size         |
|-----------|--------------|
| MOZE750ml | 750ml Bottle |
| MOZE1L    | 1L Jerry     |
| MOZE5L    | 5L Jerry     |
| MOZE20L   | 20L Drum     |



# SPECIALISED PRODUCTS



## STAINLESS STEEL CLEANER

Cyndan Stainless Steel Cleaner is a Heavy Duty cleaner specifically formulated to remove tea staining & corrosion common to stainless steel surfaces exposed to the elements.

It chemically brightens the surface to a 'like new' state. Great for use on balustrading, commercial kitchens, tanks and any stainless steel surface. It is highly recommended that following the cleaning of the surface with Stainless Steel cleaner, you follow with an application of Stainless Steel Sentry to seal and protect the Stainless Steel from further corrosion.

## STAINLESS STEEL POLISH

Cyndan Stainless Steel Polish contains a unique blend of ingredients for the total maintenance of all grades of polished stainless steel and aluminium.

It removes watermarks, finger smudges and conceals surface scratches. Once applied it forms a protective monomolecular coating which repels water, soiling, chemical attack and adhesion.

This protective coating preserves the surface against deterioration, enhances the appearance with a lasting gloss and eases future cleaning. Ideal for lift doors, fridges, automotive and marine fittings.

## STAINLESS STEEL REJUVENATING PASTE

This formulation is prepared for the removal of corrosion and 'tea staining' on all grades of stainless steel whether internal or external.

This non abrasive formula not only cleans and removes the contaminants, it pre conditions the stainless steel for the protective treatment of Cyndan Stainless Steel Sentry. This formulation is pH balanced in order to counter any acidic corrosive residues remaining from previous cleaning products and contaminants. This pH balancing aids in the protection of further 'tea staining' and corrosion.

This product is designed to be used only in conjunction with Cyndan Stainless Steel Sentry.



## STAINLESS STEEL SENTRY

For all grades of marine and architectural, internal and external Stainless Steel. Containing the Ultra protection concentrate Cyndan NANOLON.

Cyndan Stainless Steel Sentry is the second step to the conditioning and ultimate protection of your Stainless Steel. The Cyndan NANOLON concentrate when applied to the preconditioned stainless steel microscopically coats it and protects it for several months depending on the conditions.

The Cyndan NANOLON concentrate protects stainless steel from atmospheric corrosion which causes unsightly 'tea staining' and rusting.

This product is designed to be used only in conjunction with Cyndan Stainless Steel Rejuvenating Paste.



Please obtain and read MSDS before using Cyndan Products

## VITROGLAZE

The seemingly smooth surface of glass consists of microscopic ridges and valleys which creates a favourable environment for the buildup of contaminants such as soap scum, hard water deposits and grime.

In time, the glass surface will visibly dull and become difficult to clean. This will result in high maintenance and premature replacement costs due to deterioration.

Vitroglaze is a permanent coating that prevents the adhesion and buildup of contaminants onto the glass surface. It also provides water and oil repellant properties.

Working similar to non-stick cookware, your glass becomes easier to clean, without the need for harsh chemicals. Vitroglaze saves valuable time and effort, guaranteed.

Vitroglaze can also be used as a protective coating on Stainless Steel as a long term barrier against tea staining and corrosion.

# SPECIALISED PRODUCTS



## STAINLESS STEEL CLEANER

| Code         | Size        |
|--------------|-------------|
| CYN-SSC-1LTR | 1Ltr Bottle |
| CYN-SSC-5LTR | 5Ltr Bottle |



## STAINLESS STEEL POLISH AEROSOL

| Code         | Size    |
|--------------|---------|
| CYN-SSP-400G | 400gram |



## STAINLESS STEEL REJUVENATING KITS

| Code     |
|----------|
| CYN-SSRK |



## STAINLESS STEEL REJUVENATING PASTE

| Code          | Size |
|---------------|------|
| CYN-SSRP-500G | 500g |



## STAINLESS STEEL SENTRY

| Code         | Description                    | Size        |
|--------------|--------------------------------|-------------|
| CYN-SSS-1LTR | Stainless Steel Sentry         | 1Ltr Bottle |
| CYN-SSS-200G | Stainless Steel Sentry Aerosol | 200gram     |



## VITROGLAZE DIY KIT

| Code      |
|-----------|
| CYN-VDIYK |



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## Next Day Turn Around—Factory Made Systems

With the implementation of our new automated cutting machine we can now offer next day turn around on our standard balustrading systems. For factory made systems if your order is placed by 2pm we will have it ready for collection or dispatch by close of business the next working day. This applies to our standard factory made wire balustrading systems and quantities. Other systems manufacturing times may vary.

Please contact our friendly staff for lead times on non-standard quantities or systems and we will do our best to work within your time frames. All we need from you is the measurements and we will do the rest.

### Measurement Requirements:

System 3A – This is the only standard system that requires measurements from outside of post to outside of post. Please advise if a post is a raking post (stairs), as bevelled washers will need to be supplied and allowed for in the making of the wires.

System 3B, 4, 5 – All remaining factory made systems require measurements from inside of post to inside post. Raking post does not affect the making length of the wire. However system 3B is not recommended on raking section, please talk to our friendly staff for assistance.

### Additional info:

System 3A – This is one of the easiest to install and neatest systems available but it is not the most practical. Since these wires fix to the outside of your post you may have a post which is against the wall and won't have access to attach the wires. Also if there are any corner posts the wires would have to be offset due to solid fitting trying to pass through each other, which may affect the overall look.

System 3B – This is a nice discreet system for use with timber posts, it works by turning the wire to gain tension. Having opposing threads on each end pulls the wire to tension. This system however is not recommended for long spans (over 4 metres) due to the amount of adjustment in the fitting. It helps to have two people install the wire, one at each end turning in sync. See page 82 in specialised tools for "C-Spanners" to assist with installation of the terminals.

System 4 – This is our most versatile system. Using saddles both end this system can be used for both timber and steel posts by simply using either stainless steel pop-rivets or screws which we can provide (see fasteners on page 77). It is tensioned by the use of a jaw-swage rigging screw on one end, for longer lengths a rigging screw can be added to the other end for maximum adjustment and tension. See page 82 in specialised tools for a "C-Spanner" to assist with tensioning the rigging screw. Please advise if screws or pop rivets are required for saddles.

System 5 – This is our most common system setup for timber posts. Using a lag screw eye in each end of the timber post with a jaw-swage rigging screw for tension makes this system quite streamline. For Longer lengths another rigging screw can be added to maximise adjustment and tension. This system can be modified to use with steel post by the use of stainless eyebolts. These can be attached by taping a thread into the post or by insert a blind rivet nut. A socket driver (page 22) can be used with your electric drill to help install the lag screws and a "C-Spanner" (page 82) can help to tension the rigging screw.

### Specialised tool requirements:

All of the above systems can be installed with common home handyman tools such as an electric drill and drill bits. This is required for drilling pilot holes or holes in any intermediate posts. There are socket drivers (page 22) and C-Spanners (page 82) available that will help with installation of these systems but are not a requirement for installation. We also carry a range of fasteners (page 77) and drill bits (page 83) should you require any additional items.



**AMVR**  
BALUSTRADE & WIRE SOLUTIONS

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Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Time: \_\_\_\_\_

Company Name: \_\_\_\_\_

Purchase Order No.: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Delivery Address or Collect: \_\_\_\_\_

Payment Method: \_\_\_\_\_

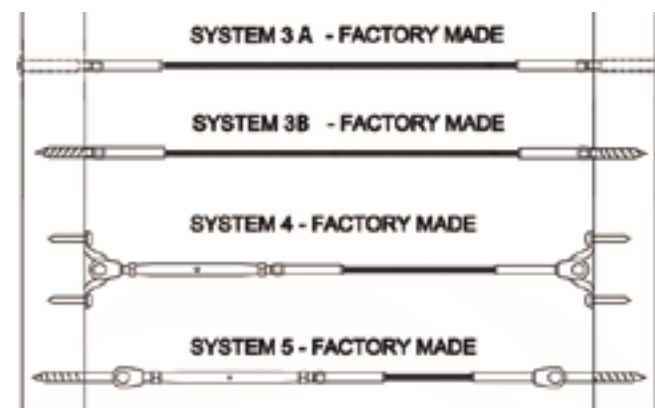
System Required (Please Tick) :

☐ 3A

☐ 3B

☐ 4

☐ 5



Qty (Wires)  
Eg. 11

Measurement (mm)  
Eg. 3578mm

Additional Requirements (Please Circle) :

System 3A : Bevelled Washers for Rake : YES / NO

System 4 : Screws / Pop Rivets / Not Required

Do you need any intermediate posts: YES / NO

Do you require any nylon grommets to separate  
metals through any existing intermediate posts:  
YES / NO

Office Use Only

Acc No.: \_\_\_\_\_

Sales Order No.: \_\_\_\_\_

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