



**AWR**  
IMPORT & WHOLESALE SOLUTIONS

## 2017 PRODUCT CATALOGUE

*Quality products, the right price & best advice*



AWR Solutions are proud distributors of...



THE WORLD'S #1 DECK BRAND



AWR is a proud member of



Australian Stainless Steel  
Development Association

Ph: 07 3902 2660 / Fax: 07 3902 2666

5 / 23 Alexandra Place, Murarrie Qld 4172

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

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

# 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 one hundred and eleven (111).

# 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 one hundred and eleven (111).

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 100 – 103.

## 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.

# PRODUCT INDEX

## CATALOGUE SECTIONS

Balustrade System Chart	7	Rated Components	87	TREX Decking	104-107
Wire Rope	8-12	Marine Hardware	88	Urban Turf	108-109
Stainless Steel Hardware	13-32	Chain & Accessories	89		
Handrail Systems	33-71	Fasteners	90-91		
Glass Products	72-83	Specialised Tools	92-99		
Galvanised Hardware	84-86	Specialised Products	100-103		

## ALPHABETICAL INDEX

Balustrading Fittings, Misc	16, 22-23	Handrail Systems -		Pulleys, Block + Sheave	32
Blank Posts	63	Caps/ Ends	42	Quick Links – Galvanised	85
Chain, Repair Link - Gal	89	Joiners 50 x 10	46-47	Quick Links – Stainless Steel	89
Chain, Stainless Steel	89	Joiners – Perpendicular	40	Ratchet Tie Down Straps	87
Cleaner, Stainless Steel	102	Post Reducers	41	Rigging Screws – Stainless	14, 18
C- Spanners	98	Round Tube Components	34-37	Rings, Welded	28
Dies, Hex + Round	92	Round Tube Adj Supports	38	Rivet Tools	96-97
Drill Bits	99	Supports, Handrail	39, 75	Saddles - Stainless	21
Eye Bolts, Stainless Steel	25	Slotted Fittings	50-51	Shackles, Galvanised	86-87
Eye Nuts, Stainless Steel	25	Square Tube Components	43-45	Shackles, Stainless Steel	26-27
Eye Screws, Stainless Steel	24	Tubing	33	Swageless Fittings	13
EyeNuts, Eye Bolts- Galvanised	86	U Channel Fittings	48-49	Swagers, Hand	94
Fasteners, All Thread	91	Hooks, "S"- Stainless Steel	30	Swagers, Hydraulic Tools	92
Fasteners, Nuts	91	Hooks, Grab & Slip – S/Steel	30	Swivels	27
Fasteners, Rivets	90-91	Hooks, Spring + Snap – S/Steel	31	Synthetic Rope	11
Fasteners, Stainless Screws	91	Hooks, Spring Galvanised	85	Tension Gauge, Wire Rope	95
Fasteners, Washers	91	Intermediate Posts	60-62	Terminals, Fork – Stainless	15
Ferrules / Swages	20	Lag Screws/ Screw Eyes	24	Terminals, Swage – Stainless	17
Grips, Wire Rope – Galvanised	85	Lifting Components	87	Thimbles – Galvanised	85
Grips, Wire Rope – Stainless	22	Lynch Pins	23	Thimbles – Stainless	21
Glass -		Mandrel Replacements	96	Tie Wire – Stainless	12
Clamps	72	Marine, Pelican Hooks	15	Toggle Latches	22
Handrail Brackets	75	Mini Rigging Components - Stainless	18	Turnbuckles – Galvanised	84
Hinges	76	Nylon Bushes	23	Turnbuckles – Stainless	19
Latches	77	Pad Eyes	29	Wire Rope Cutters	95
Panels – Balustrade	73, 78-81	Posts – Pool Fence	70-71	Wire Rope -	
Panels – Pool	82-83	Posts – Pre Fabricated	52-69	Galvanised	10
Spigots	76	Press Parts	92-93	PVC coated	9-10
Standoff Pins	74	Protectants / Lubricants/Glues	102-103	Stainless Steel	8-9
				Specialty	12

# BALUSTRADING SYSTEMS

## Next Day Turn Around

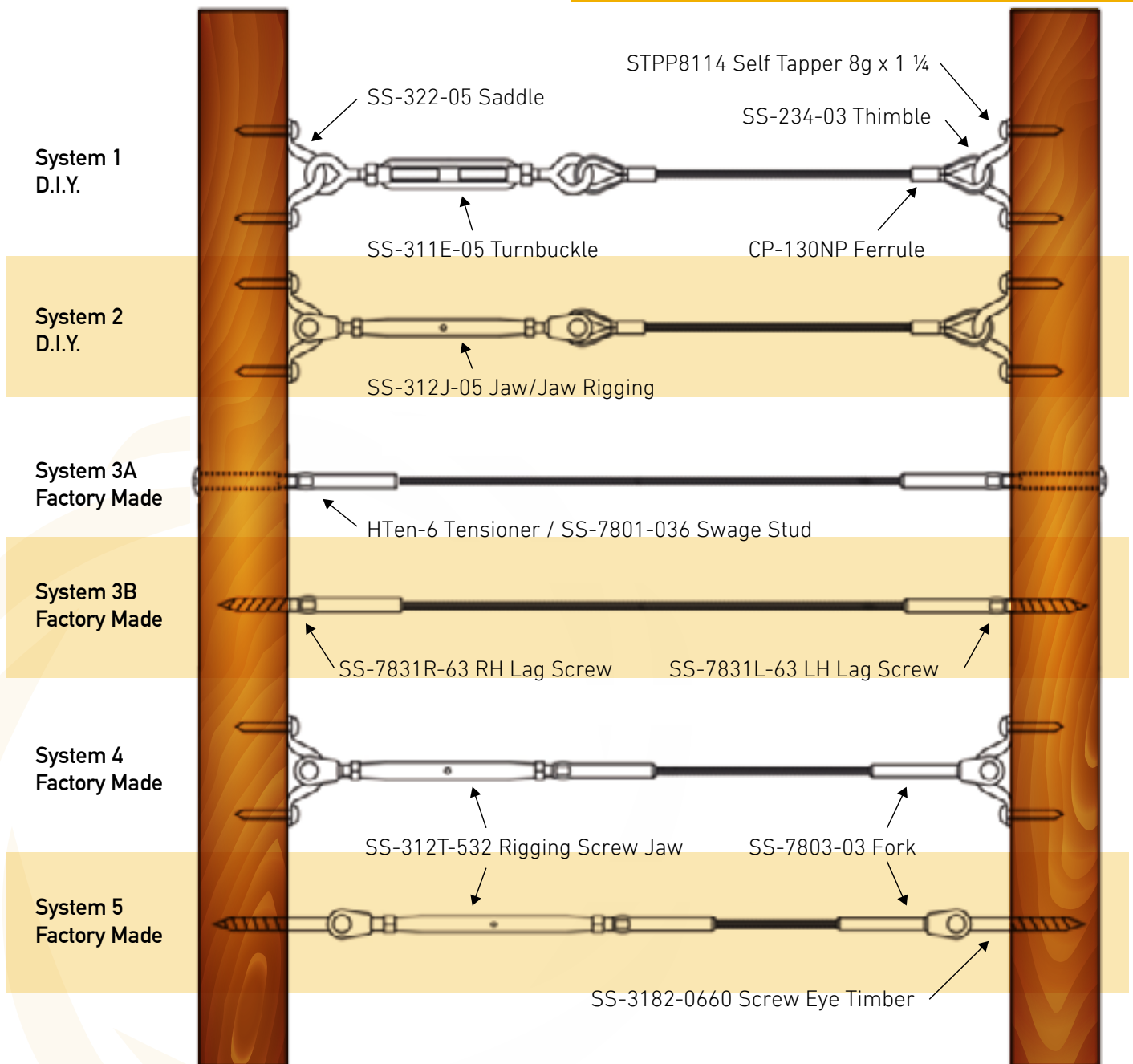
With the implementation of our new automated cutting machine we now offer next day turn around on our standard balustrading systems. DIY Systems 1 and 2 are available off the shelf for immediate collection or delivery. For factory made systems if your order is placed by 2pm we will have it ready for 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 52 – 71 for prefabricated posts
- See page 110 – 111 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 Lengths	Wgt/Reel (305M)
WRS/119/316-012	1.2	121	Yes	-	Yes	2.5Kg
WRS/119/316-016	1.6	215	Yes	-	Yes	4.0Kg
WRS/119/316-02	2	336	Yes	-	Yes	6.2Kg
WRS/119/316-025	2.5	525	Yes	Yes	Yes	9.7Kg
WRS/119/316-032	3.2	861	Yes	Yes	Yes	15.9Kg
WRS/119/316-04	4	1340	Yes	Yes	Yes	24.9Kg
WRS/119/316-05	5	2100	Yes	Yes	Yes	38.9Kg
WRS/119/316-06	6	3030	Yes	Yes	Yes	56Kg
WRS/119/316-08	8	5380	Yes	Yes	Yes	97Kg
WRS/119/316-10	10	8400	Yes	Yes	Yes	151Kg
WRS/119/316-12	12	12102	Yes	-	Yes	225Kg
WRS/119/316-14	14	16473	Yes	-	Yes	295Kg
WRS/119/316-16	16	20500	Yes	-	Yes	400Kg

## 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

Code	Wire Ø	B/S	305M Reel	1000M Reel	Cut Lengths	Wgt/Reel (305M)
WRS/77/316-01	1	52.5	Yes	-	Yes	1.3Kg
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	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	1030	Yes	Yes	Yes	20.5Kg
WRS/77/316-05	5	1620	Yes	Yes	Yes	32.1Kg
WRS/77/316-06	6	2070	Yes	-	Yes	46.2Kg
WRS/77/316-08	8	3681	Yes	Yes	Yes	82Kg
WRS/77/316-10	10	5741	Yes	-	Yes	129Kg
WRS/77/316-12	12	8270	Yes	-	Yes	184Kg

## 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 Lengths	Wgt/Reel (305M)
WRS/719/316-016	1.6	153	Yes	-	Yes	2.9Kg
WRS/719/316-02	2	239	Yes	-	Yes	5.0Kg
WRS/719/316-025	2.5	373	Yes	Yes	Yes	7.9Kg
WRS/719/316-032	3.2	611	Yes	Yes	Yes	12.8Kg
WRS/719/316-04	4	956	Yes	Yes	Yes	20.1Kg
WRS/719/316-05	5	1490	Yes	Yes	Yes	31.3Kg
WRS/719/316-06	6	1907	Yes	Yes	Yes	45.1Kg
WRS/719/316-08	8	3396	Yes	Yes	Yes	80.1Kg
WRS/719/316-10	10	5313	Yes	Yes	Yes	125Kg
WRS/719/316-12	12	7648	Yes	-	Yes	180Kg
WRS/719/316-14	14	10400	Yes	-	Yes	240Kg
WRS/719/316-16	16	13562	Yes	-	Yes	328Kg



**ECONOMY GRADE WIRE ROPE**

- Made in China
- Supplied on plastic spools

Code	Wire Ø	Construction	B/S	305M Reel	Cut Lengths	Wgt/Reel (305M)
ECO/119/316-032	3.2	1 x 19	662	Yes	No	16.5Kg
ECO/77/316-032	3.2	7 x 7	970	Yes	No	13.5Kg



**WIRE ROPE 1 X 7 CONSTRUCTION AISI 304**

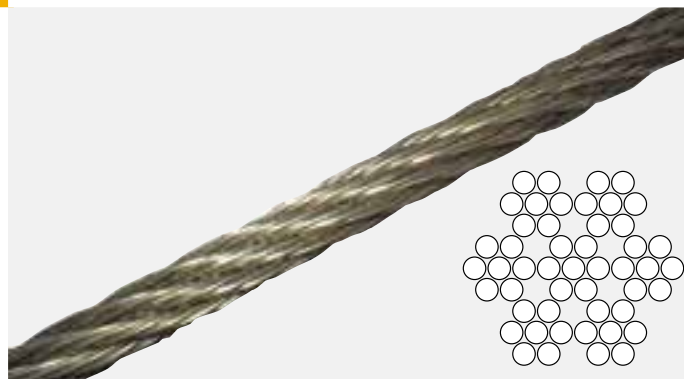
Code	Wire Ø	B/S	500M Reel	Cut Lengths	Wgt/Reel (500M)
WRS/17/304-08	0.81	62.7	Yes	No	2.27Kg



**WIRE ROPE 7X7 CONSTRUCTION AISI 304**

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

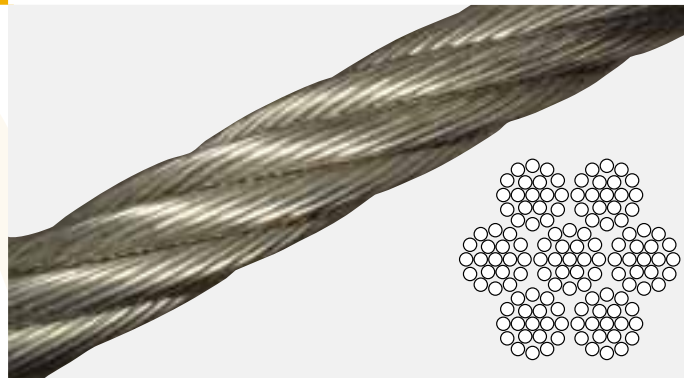
Code	Wire Ø	B/S	305M Reel	Cut Lengths	Wgt/Reel (305M)
WRS/77/304-032	3.2	661	Yes	No	13.1Kg
WRS/77/304-04	4	1030	Yes	No	20.5Kg



**WIRE ROPE 7 X 19 CONSTRUCTION AISI 304**

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

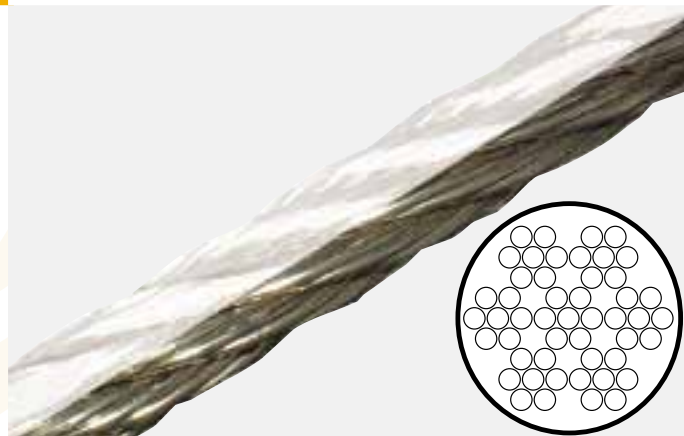
Code	Wire Ø	B/S	305M Reel	Cut Lengths	Wgt/Reel (305M)
WRS/719/304-032	3.2	612	Yes	No	12.8Kg
WRS/719/304-04	4	956	Yes	No	20.1Kg
WRS/719/304-05	5	1499	Yes	No	31.3Kg

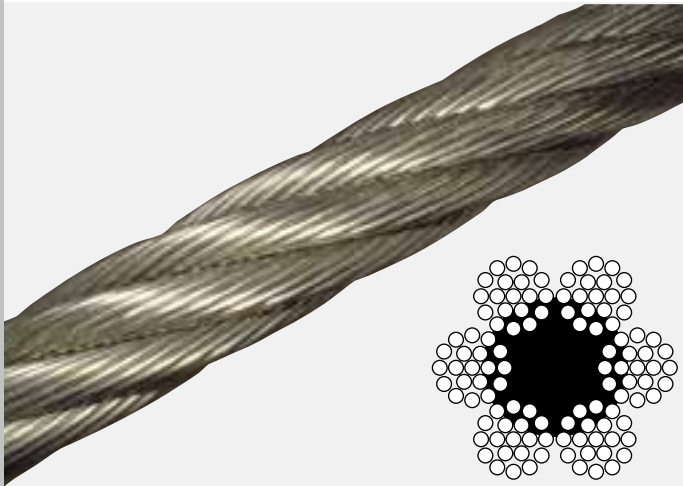


**WIRE ROPE 7X7 CONSTR. PVC COATED AISI 316 (MARINE GRADE)**

- PVC Coated Wire Rope - Others colours available on request
- Suits safety lines, light industry and architectural applications

Code	Wire Ø	PVC O.D.	Colour	B/S	305M Reel	Cut Lengths	Wgt/Reel (305M)
WRS/77/PC-02	2.0	4.0	Clear	260	Yes	Yes	5.7
WRS/77/PC-025	2.5	3.5	Clear	400	Yes	Yes	9.9
WRS/77/PC-032	3.2	4.8	Clear	685	Yes	Yes	18.6
WRS/77/PC-04	4.0	5.6	Clear	1030	Yes	Yes	27.2
WRS/77/PC-05	5.0	6.8	Clear	1620	Yes	Yes	41.8
WRS/77/PW-025	2.5	3.5	White	400	Yes	Yes	9.9
WRS/77/PW-032	3.2	4.8	White	664	Yes	Yes	18.6

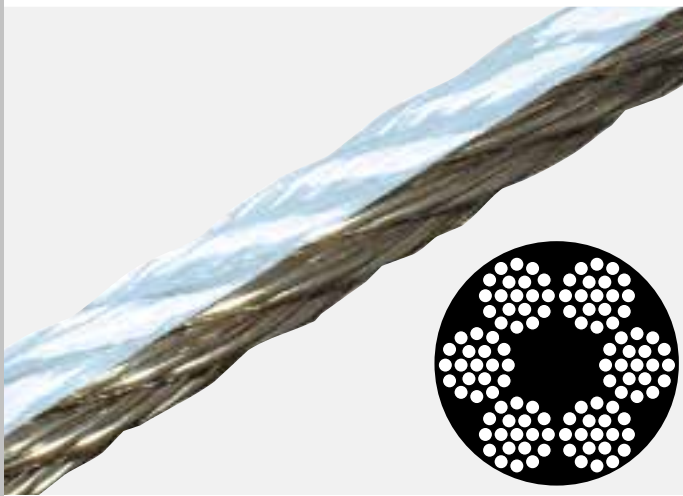




### WIRE ROPE 6 X 19 FIBRE CORE GALVANISED GRADE 1570

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

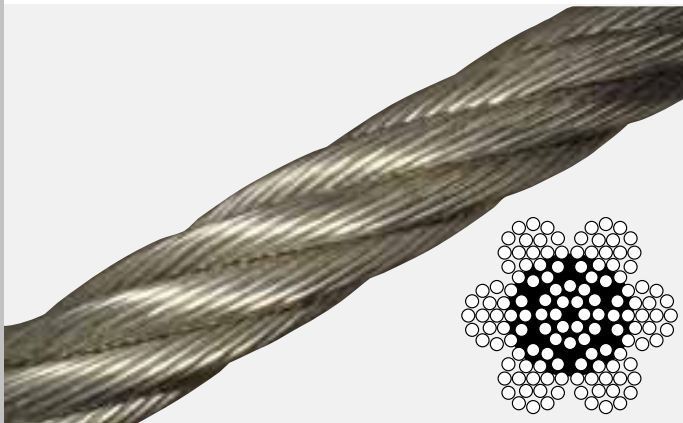
Code	Size Ø	MBS kN	kg/100Mtr
WRG619FC-040	4	7.7	5.5
WRG619FC-050	5	12.0	8.6
WRG619FC-060	6	17.6	12.4
WRG619FC-080	8	30.9	22.1
WRG619FC-100	10	48.2	34.6



### 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

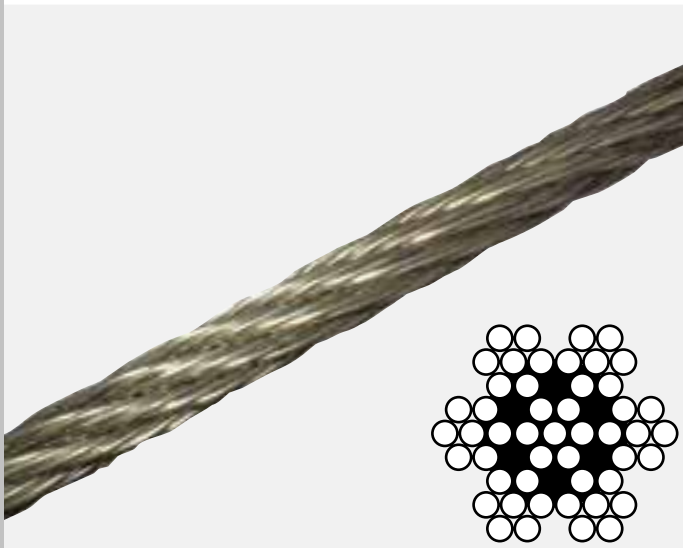
Code	Core Ø	PVC Ø	MBS kN	kg/100Mtr
WRG619PVC-03.5	3.5	5.0	6.4	4.6
WRG619PVC-04	4.0	6.0	8.5	6.1
WRG619PVC-05	5.0	7.0	13.2	9.5
WRG619PVC-06	6.0	8	19.3	13.7
WRG619PVC-08	8.0	10	33.3	18.7
WRG619PVC-10	10	12	52.1	30.8



### 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

Code	Size Ø	MBS kN	kg/100m
WRG719IWRC-032	3.2	8.9	4.2
WRG719IWRC-04	4	11.2	6.1
WRG719IWRC-05	5	17.4	9.5
WRG719IWRC-06	6	25.4	13.7
WRG719IWRC-08	8	43.9	24.4
WRG719IWRC-09	9	55.6	30.8
WRG719IWRC-10	10	68.6	38.1



### WIRE ROPE 7 X 7 GALVANISED GRADE 1570 / 2070

- Semi Flexible
- Available in 500Mtr / 1000Mtr or cut to size
- 1570 - General Purpose Application / Standard Rigging
- 2070 - Irrigator Cable / Standard Rigging

Code	Wire Ø	Grade	MBS kN	Kg/100Mtr
WRG77IWRC-01.6	1.6	1570	1.73	1.26
WRG77IWRC-02	2	1570	2.3	1.6
WRG77IWRC-02.5	2.5	1570	3.14	3
WRG77IWRC-03	3	1570	5.2	3.6
WRG77IWRC-04	4	1570	9.2	6.3
WRG77IWRC-05	5	1570	14.3	9.9
WRG77IWRCIW-05	5	2070	18.8	9.9
WRG77IWRCIW-06	6	2070	27.1	14.3
WRG77IWRCIW-08	8	2070	47.4	25.2
WRG77IWRCIW-10	10	2070	74.5	39.2
WRG77IWRCIW-12	12	2070	103	56.7

**PE "STAPLE SILVER" ROPE**

- Most popular general purpose rope
- White 3 strand rope with a hairy finish
- Melting point - 110degC
- Specific gravity - 0.96 (floats)
- Elongation at break - 30%
- UV resistance - Medium
- Water absorption - None
- Abrasion resistance - Medium

Code	Diameter	Length	B/S	Wgt
RS04250R	4mm	250M	210	2.38Kg
RS04500R	4mm	500M	210	4.75Kg
RS06250R	6mm	250M	370	4.58Kg
RS08125R	8mm	125M	620	3.97Kg
RS08200R	8mm	200M	620	6.34Kg
RS10125R	10mm	125M	930	6.25Kg
RS12100R	12mm	100M	1250	7.13Kg
RS12125R	12mm	125M	1250	8.85Kg
RS14100R	14mm	100M	1400	9.68Kg
RS16100R	16mm	100M	2100	12.68Kg

\*\*\* NB - Up to 40mm Silver Rope available on request

**NYLON ROPE**

- White 3 strand rope
- Melting point - 235degC
- Specific gravity - 1.25 (sinks)
- Elongation at break - 30% - 42%
- UV resistance - High
- Water absorption - Medium
- Abrasion resistance - High

Code	Diameter	Length	B/S	Wgt
RN06100R	6mm	100M	750	2.50Kg
RN08100R	8mm	100M	1350	4.30Kg
RN10100R	10mm	100M	2080	6.28Kg
RN12100R	12mm	100M	3000	9.04Kg
RN14100R	14mm	100M	4100	12.40Kg
RN16100R	16mm	100M	5300	16.04Kg

\*\*\* NB - Up to 24mm Nylon Rope available on request

**POLYESTER DOUBLE BRAID**

- White with coloured fleck
- Melting point - 260degC
- Specific gravity - 1.40 (sinks)
- Elongation at break - 12%
- UV resistance - Very High
- Water absorption - Very Low
- Abrasion resistance - Very High

Code	Diameter	Length	B/S	Wgt
RPDB06100	6mm	100M	900	2.95Kg
RPDB06200	6mm	200M	900	5.75Kg
RPDB08100	8mm	100M	1600	5.80Kg
RPDB08200	8mm	200M	1600	11.20Kg
RPDB10100	10mm	100M	2200	8.30Kg
RPDB12100	12mm	100M	3400	13.10Kg
RPDB14100	14mm	100M	4800	15.80Kg
RPDB16100	16mm	100M	5400	22.00Kg
RPDB18080	18mm	80M	6200	19.90Kg

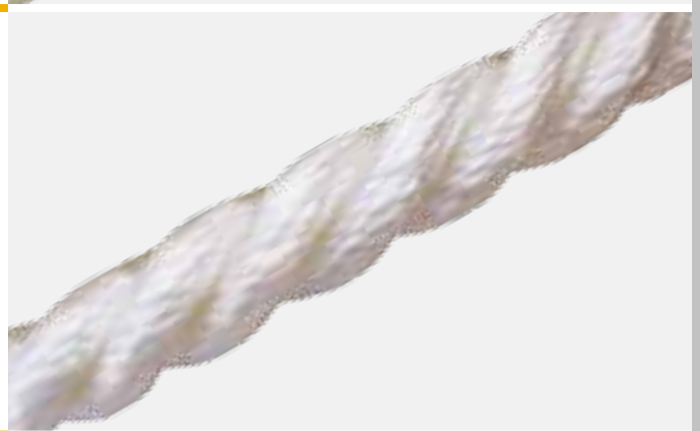
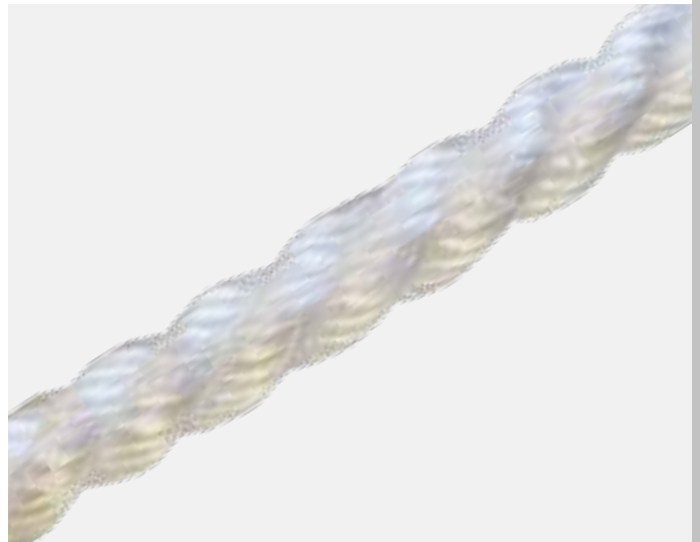
\*\*\* NB - Please advise if a specific coloured fleck is required

**SPECTRA DOUBLE BRAID**

- Solid colour with black fleck
- Melting point (core) - 110degC
- Specific gravity - 0.97 (floats)
- Elongation at break - 5%
- UV resistance - Medium
- Water absorption - None

Code	Diameter	Length	B/S	Wgt
RSP02100	2mm	100M	250	0.40Kg
RSP03100	3mm	100M	400	0.80Kg
RSP04100	4mm	100M	900	1.55Kg
RSP05100	5mm	100M	1100	2.00Kg
RSP06100	6mm	100M	1700	3.20Kg
RSP08100	8mm	100M	3300	5.15Kg
RSP10100	10mm	100M	4900	7.60Kg
RSP12100	12mm	100M	5800	11.90Kg
RSP14100	14mm	100M	6400	14.20Kg

\*\*\* NB - Please advise if a specific colour is required





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

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

Code	Size	Lgth	Wgt
WR-234664	0.020" (0.5mm)	283M	470g
WR-234699	0.025" (0.64mm)	181M	470g
WR-469602	0.032" (0.80mm)	110M	470g
WR-234737	0.041" (1.1mm)	67M	470g
WR-234761	0.051" (1.26mm)	43.7M	470g
WR-234762	0.062" (1.57mm)	29.5M	470g



### RIVET FLANGES FOR LIGHTING / SUSPENSION WIRES

- To be used with 1.6mm wire rope

Code	Length	Head Diam	Material
SW-RIVET	17	8	Mild Steel
SW-RIVET-SLH	17	9	Stainless Steel



### LIGHTING / SUSPENSION WIRES

- Complete with 1.6mm 1x19 316gr stainless steel wire rope with a head flange swaged on the one end
- Can be custom made to any length if required

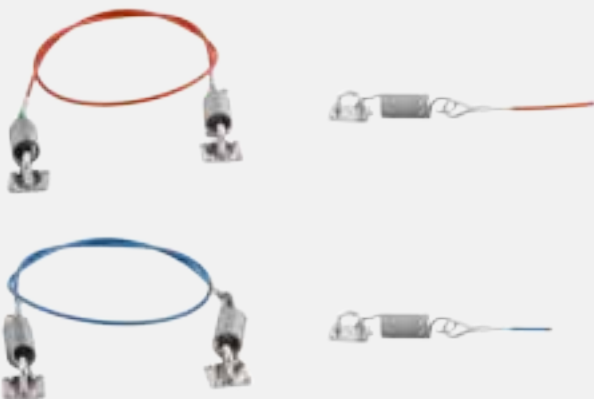
Code	Length	Head (material)
SW1	1Mtr	Mild steel
SW2	2Mtr	Mild steel
SW3	3Mtr	Mild Steel
SW5	5Mtr	Mild Steel
SW1-SLH	1Mtr	Large Head Stainless
SW2-SLH	2Mtr	Large Head Stainless
SW3-SLH	3Mtr	Large Head Stainless
SW5-SLH	5Mtr	Large Head Stainless



### LIGHTING / SUSPENSION BALANCING WIRES

- Complete with 1.6mm 1x19 316gr stainless steel wire rope with a head flange swaged on both ends
- Can be custom made to any length if required

Code	Length	Head (material)
SWD180	180mm	Mild steel
SWD200	200mm	Mild steel
SWD180-SLH	180mm	Large Head Stainless
SWD200-SLH	200mm	Large Head Stainless



### OVERHEAD DISPLAY WIRES

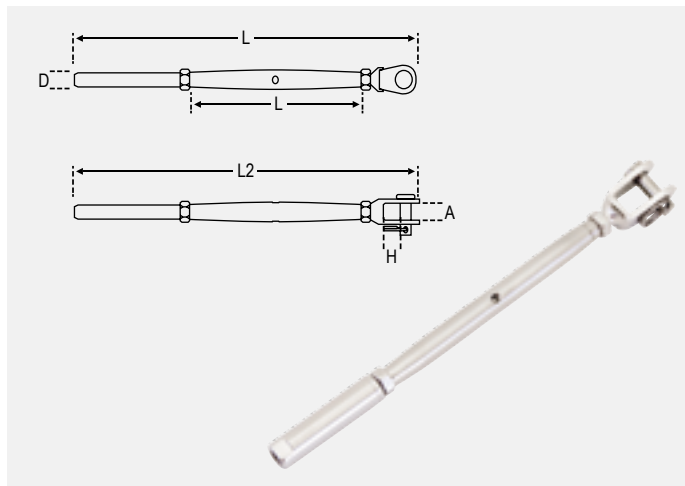
- Perfect for use in classrooms or child care centres
- Can be made to any length to fit classroom
- Each kit includes:
  - Length of 3.5mm-5mm PVC coated galvanised wire rope with swaged thimble on each end
  - 2 X tension springs (SP5025)
  - 2 X stainless steel pad eyes (SS-321-06)
  - 8 X 6g csk screw 1 1/4 (STCP6114)

CODE	LENGTH	COLOUR PVC
ODW-B	TBA	Blue
ODW-R	TBA	Red

**SWAGELESS RIGGING SCREWS**

- Jaw + swageless terminal
- Simply push the wire in - fast and easy - no swaging required

Code	Wire	Thread	Pin	A	H	D	L-Min	L-Max	L1	L2	Weight
SL-312T-532	3.2mm	5mm	5	8	10	9	148	215	80	142	49g

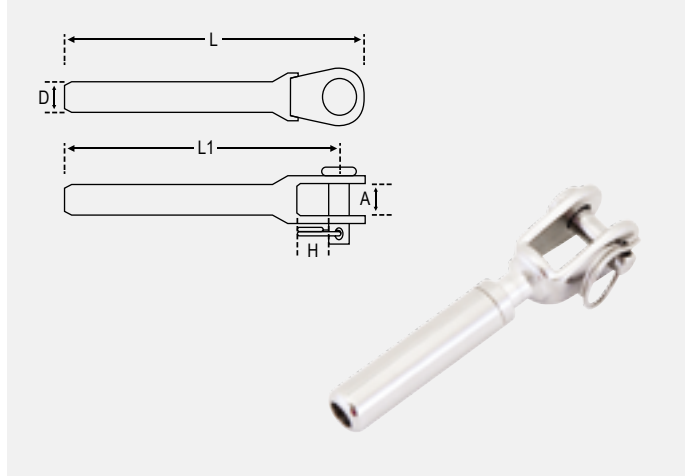


• 500Kg pull out strength

**SWAGELESS FORK TERMINAL**

- Simply push the wire in - fast and easy - no swaging required

Code	Wire	Pin	A	H	D	Weight
SL-7803-03	3.2mm	5	8	10	9	26g

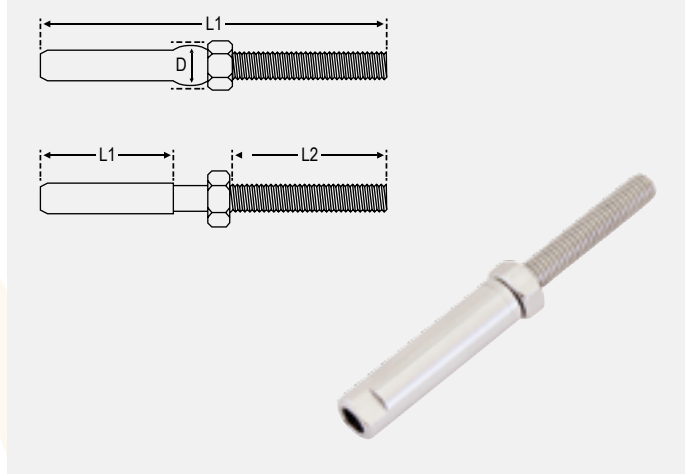


• 500Kg pull out strength

**SWAGELESS TERMINALS**

- Left and Right hand terminals
- Ideal to use with blind rivet nuts (see page 90)
- Simply push the wire in - fast and easy - no swaging required

Code	Wire	Thread	Hand	L	L1	L2	D	Weight
SL-7801-03635R	3.2mm	6mm	Right	72	36	35	9	20g
SL-7801-03635L	3.2mm	6mm	Left	72	36	35	9	20g

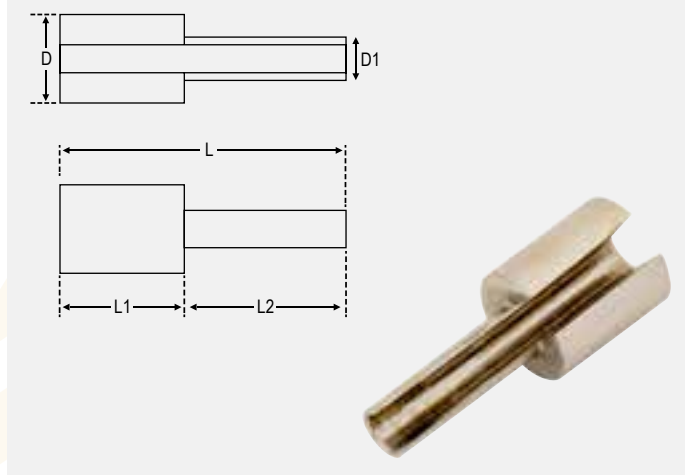


• 500Kg pull out strength


**SWAGELESS RELEASE KEY**

- Releases wire from swageless terminals

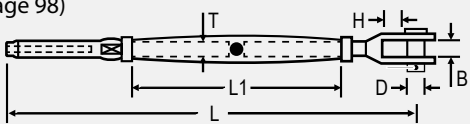
Code	L	L1	L2	D	D1	Weight
SL-RLK	29	13	16	11	5	7g



N.B. Pull out strengths listed above are based on the pull out loads achieved during our own testing. They are intended as a guide only and a safety factor should be applied to these readings depending on the situation of use.




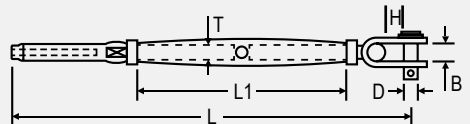
Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 98)



**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
ECO-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

\*N.B. ECO – Economy grade fitting for price restrictive applications

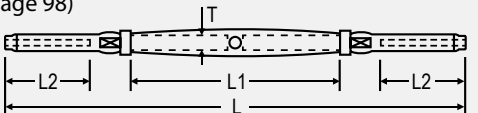



**RIGGING SCREW TOGGLE + SWAGE W/LOCK NUTS AISI 316**

Code	Rope Ø	T	B	D	H	L	L1	RWL	TDL	Wgt
SS-3121T-632	3.2	M6	10.0	6.0	11	160	90	235	940	86g
SS-3121T-64	4.0	M6	10.0	6.0	11	160	90	350	1400	82g
SS-3121T-85	5.0	M8	10.0	8.0	16	200	112	450	1800	100g
SS-3121T-106	6.0	M10	12.0	10.0	13	225	125	645	2500	290g
SS-3121T-128	8.0	M12	14.0	12.0	19	285	150	925	3700	528g
SS-3121T-1610	10.0	M16	17.0	15.0	37	360	190	1725	6900	1174g
SS-3121T-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 98)



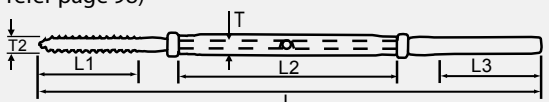
**RIGGING SCREW SWAGE + SWAGE W/LOCK NUTS AISI 316**

- 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



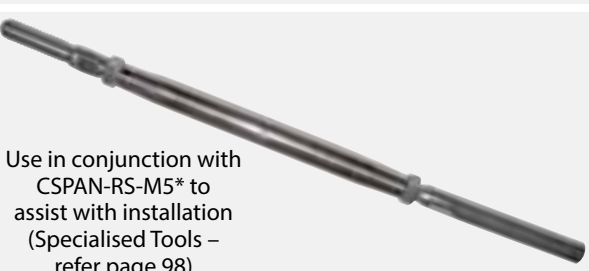
Use in conjunction with CSPAN-RS-M5\* to assist with installation (Specialised Tools – refer page 98)



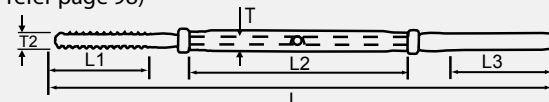
**RIGGING SCREW LAG + SWAGE W/LOCK NUTS AISI 316**

- 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 98)



**RIGGING SCREW SWAGE + STUD**

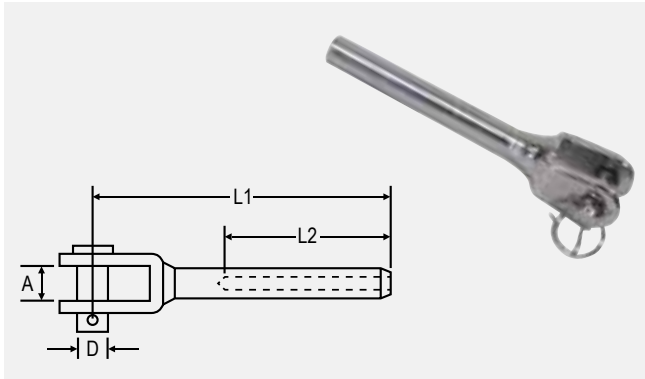
- Use in conjunction with blind rivet nuts (M6) for fast insertion into steel posts

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

**FORK TERMINAL SWAGE AISI 316**

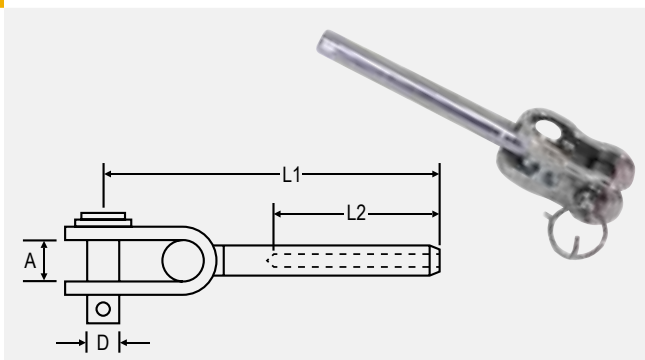
Code	Rope Ø	A	D	L1	L2	RWL	TDL	Wgt
SS-7803-025	2.5	7.0	5	55	24	185	700	22g
SS-7803-03	3.2	8.5	5	65	32	313	1250	22g
ECO-7803-03	3.2	8.5	5	65	32	313	1250	22g
SS-7803-04	4.0	9.5	6	77	40	450	1800	30g
SS-7803-05	5.0	10.0	8	88	57	663	2650	68g
SS-7803-06	6.0	14.0	12	106	63	1000	4000	112g
SS-7803-08	8.0	15.0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

\*N.B. ECO – Economy grade fitting for price restrictive applications



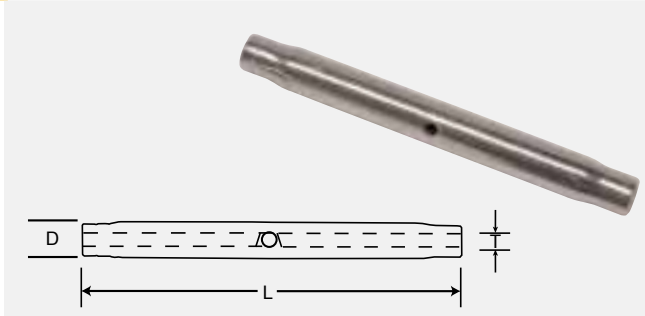
**FORK TERMINAL TOGGLE SWAGE AISI 316**

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



**BODY ONLY RIGGINGS SCREW AISI 316**

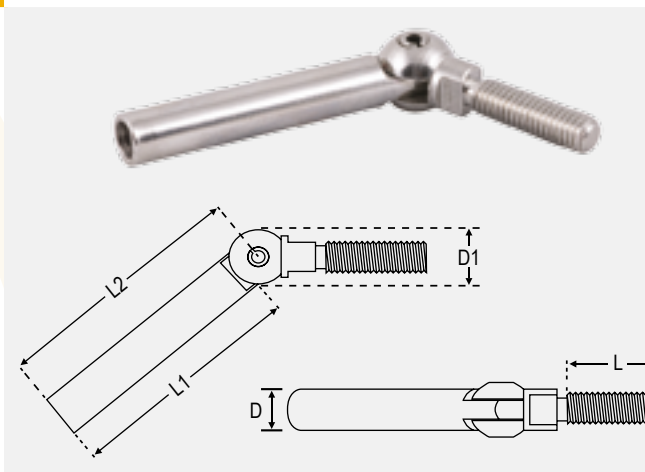
Code	T	D	L	Wgt
SS-312B-05	M5	8	80	16g
SS-312B-06	M6	10	95	28g
SS-312B-08	M8	13	105	68g
SS-312B-10	M10	17	125	82g



**SWIVEL CONNECTOR AISI316**

- Ideal to obtain a slimline look on stairs
- Can be used with Threaded Timber Inserts (page 16) for installations into timber posts
- Can be used with left and right hand Blind Rivet Nuts (page 90) for installations into steel posts

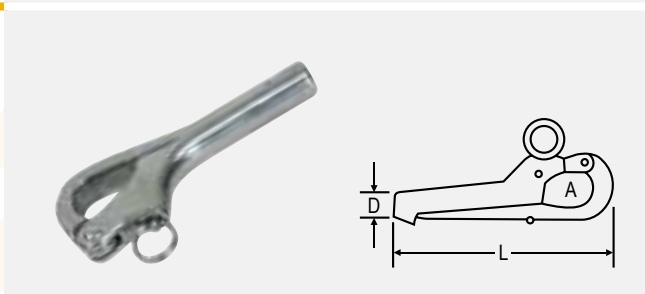
Code	Int. Thread	Ext. Thread	Angle	D	D1	L	L1	L2	Weight
SS-7812L-030620	M6 LHT	M6 LHT	0-180°	8	12	20	40	50	19g
SS-7812R-030620	M6 RHT	M6 RHT	0-180°	8	12	20	40	50	19g



**PELICAN HOOK AISI 316**

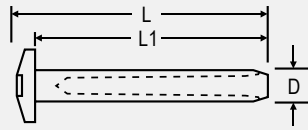
- Use with threaded terminal range (see page 17)

Code	A	D	L	Wgt
SS-2831-06	11	M6	76	70g
SS-2831-08	14	M8	101	139g





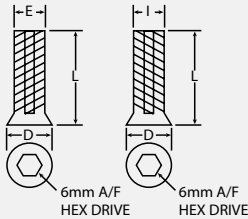
Use in conjunction with 5mm Hex drive (see page 99) for quick installation.



### ALLEN KEY HEAD TENSIONER AISI 316

- Suitable for use with threaded terminals (see pg 17) in either stairway or horizontal balustrading applications
- Internal thread
- Use with bevelled washers to complete a staircase

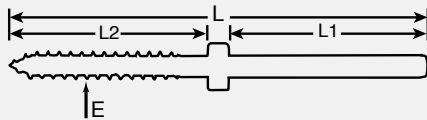
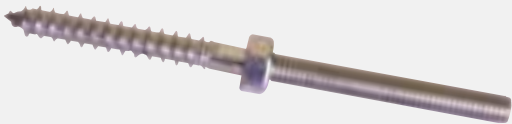
Code	Thread	D	L	L1	Wgt
HTEN-5	M5	8	42	40	11g
HTEN-6	M6	8	42	40	9g



### THREADED TIMBER INSERTS

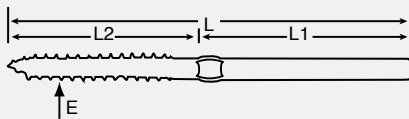
- Use in conjunction with M6 Threaded Terminals (see page 17)

Code	Internal Thread	D	L	Hex Drive	External Thread	Drill Size	Wgt
SS-3310-06L	M6 - LHT	12.5	32	6mm AF	10	8	7g
SS-3310-06R	M6 - RHT	12.5	32	6mm AF	10	8	7g



### LAG SCREW / TERMINAL AISI 316

Code	T	E	L	L1	L2	Wgt
LS-M6-R	M6	6/RHT	96	.049	39.0	17g



### 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
SS-7831L-64	4	6/LHT	90	48	42	17g
SS-7831R-64	4	6/RHT	90	48	42	17g



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

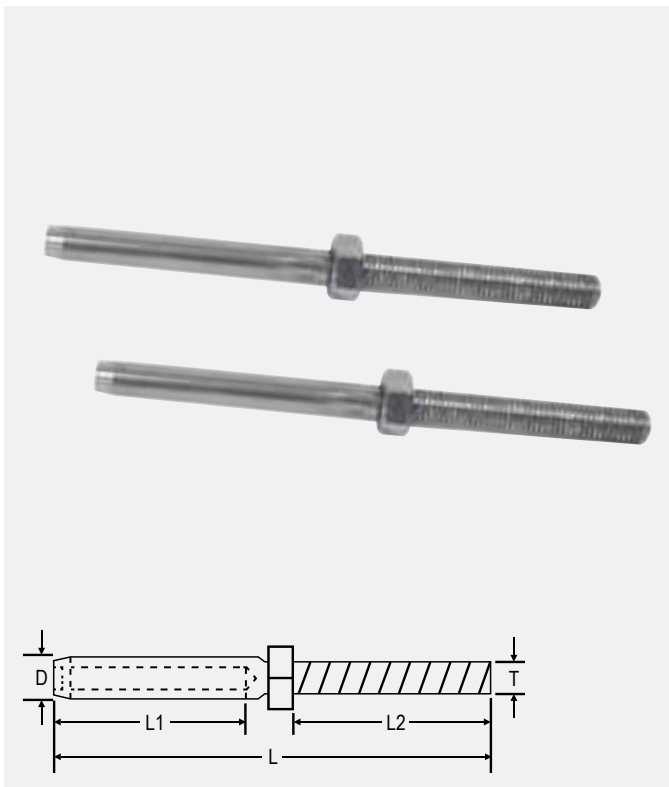
- Combine balustrading with handrail systems for stunning indoor and outdoor settings





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

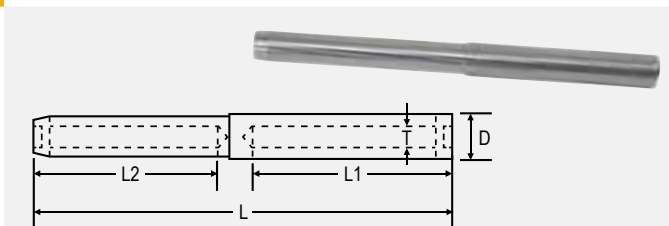
Code	Wire Ø	T	D	L	L1	L2	Wgt
SS-7801-0255	2.5	M5	6	90	40	22	10g
SS-7801-0255L	2.5	M5 - LHT	6	90	40	22	10g
SS-7801-0256	2.5	M6	6	100	38	46	22g
SS-7801-0256L	2.5	M6 - LHT	6	100	38	46	22g
SS-7801-035	3.2	M5	6	90	42	39	14g
SS-7801-035L	3.2	M5 - LHT	6	90	42	39	14g
SS-7801-036	3.2	M6	6	100	48	39	18g
SS-7801-036L	3.2	M6 - LHT	6	100	48	39	18g
SS-7801-03630R	3.2	M6	6	70	24	35	15g
SS-7801-03630L	3.2	M6 - LHT	6	70	24	35	15g
SS-7801-03ML	3.2	M6	6	126	40	75	24g
SS-7801-046	4.0	M6	7.5	100	48	39	26g
SS-7801-046L	4.0	M6 - LHT	7.5	100	48	39	26g
SS-7801-058	5.0	M8	9	117	60	57	46g
SS-7801-058L	5.0	M8 - LHT	9	117	60	57	46g
SS-7801-0510	5.0	M10	9	170	56	60	90g
SS-7801-0612	6.0	M12	12.5	162	70	80	135g
SS-7801-0612-2	6.0	M12	13	227	70	143	185g
SS-7801-0812	8.0	M12	14	165	75	80	185g
SS-7801-0816	8.0	M16	16	225	97	102	306g
SS-7801-1020	10.0	M20	20.5	215	108	105	435g
SS-7801-1220	12.0	M20	20	245	148	116	610g



**INTERNAL THREADED TERMINAL SWAGE STUD AISI 316**

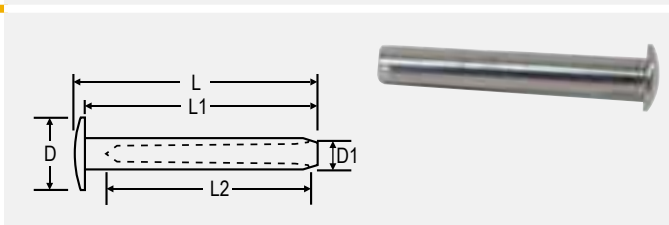
• Refer to fasteners section for cap screw sizes (see page 90)

Code	Wire Ø	T	D	L	L1	L2	Wgt
SS-7811-53	3.2	M5	7.5	90	40	40	18g
SS-7811-64	4.0	M6	8	99	40	45	22g



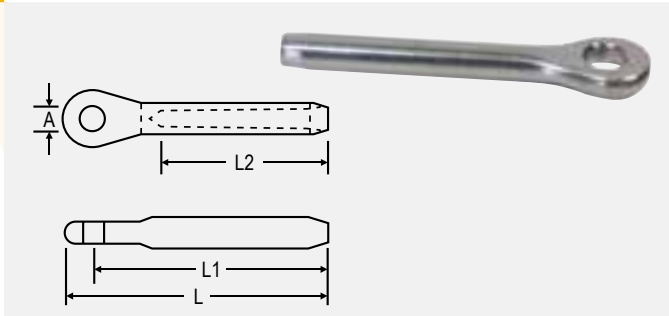
**BUTTON HEAD TERMINAL SWAGE AISI 316**

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



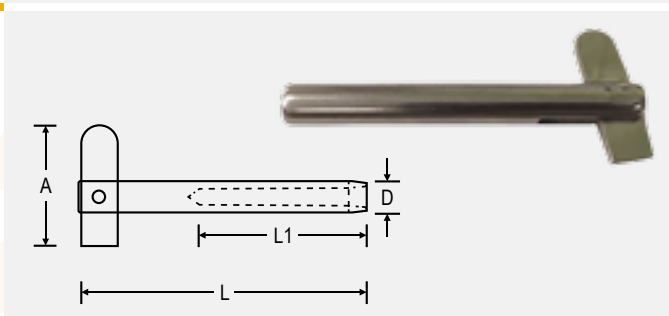
**EYE TERMINAL SWAGE AISI 316**

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

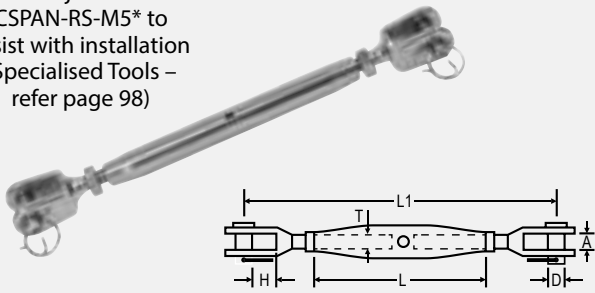


**TOGGLE / FLIP SWAGE TERMINAL**

Code	Wire	D	L	L1	A	Wgt
SS-7801FL-032	3.2	6	51	30	22	10g

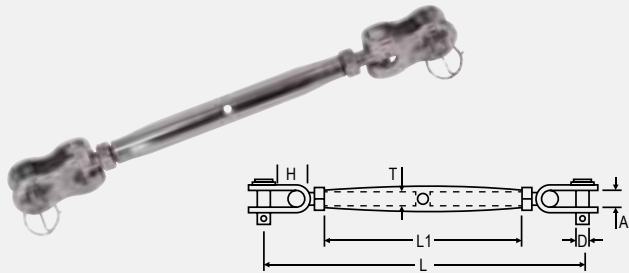


Use in conjunction with  
CSPAN-RS-M5\* to  
assist with installation  
(Specialised Tools –  
refer page 98)



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

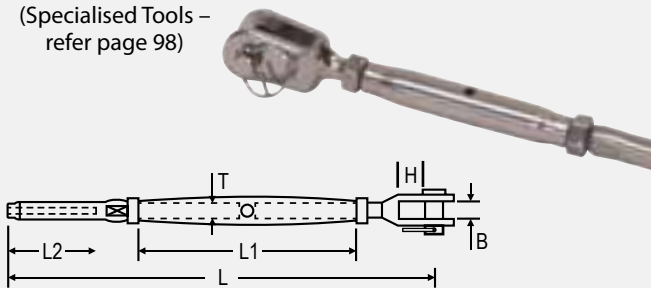
Code	T	A	D	H	L	L1	RWL	TDL	Wgt
SS-312J-05	M5	8.5	5	10	80	130	188	750	54g
SS-312J-06	M6	9.5	6	10	95	150	350	1400	84g
SS-312J-08	M8	10.5	8	11	105	180	550	2200	162g
SS-312J-10	M10	12.5	10	14	125	220	863	3450	282g
SS-312J-12	M12	15.0	12	21	150	270	1250	5000	504g
SS-312J-16	M16	23.5	14	26	190	300	2000	8000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



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

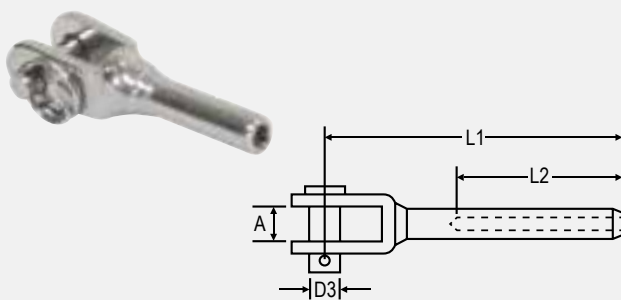
Code	T	A	D	H	L	L1	RWL	TDL	Wgt
SS-3125-06	M6	10	6	11	146	90	275	1100	98g
SS-3125-08	M8	10	8	16	180	105	463	1850	210g
SS-3125-10	M10	12	9	25	212	125	750	3000	372g
SS-3125-12	M12	14	12	25	252	150	938	3750	576g

Use in conjunction with  
CSPAN-RS-M5\* to  
assist with installation  
(Specialised Tools –  
refer page 98)



### 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

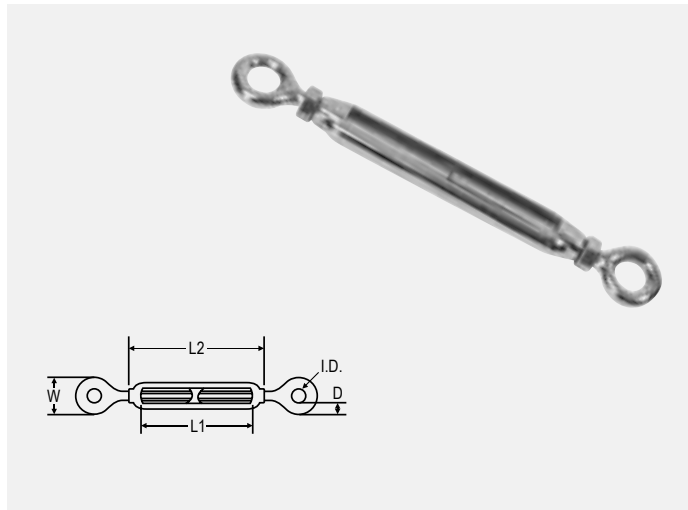
Code	Rope Ø	A	D3	L1	L2	RWL	TDL	Wgt
SS-7803M-03	3.2	7.5	5	48	24	250	1000	18g

- Use miniature parts for balustrading in limited spaces



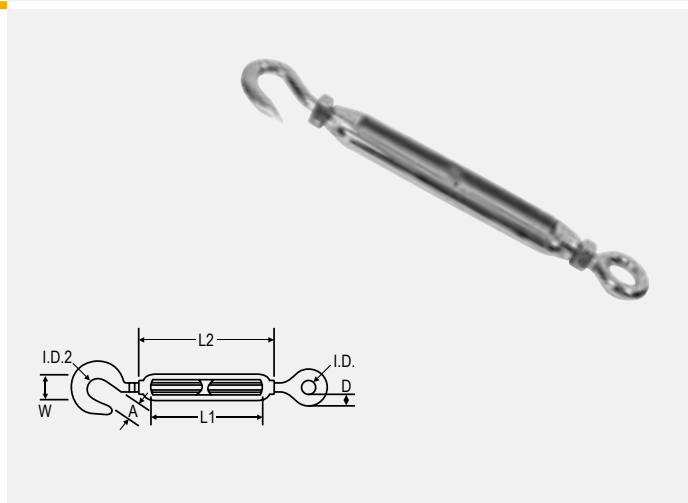
**TURNBUCKLE OPEN BODY - EYE TO EYE W/LOCK NUTS AISI 316**

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



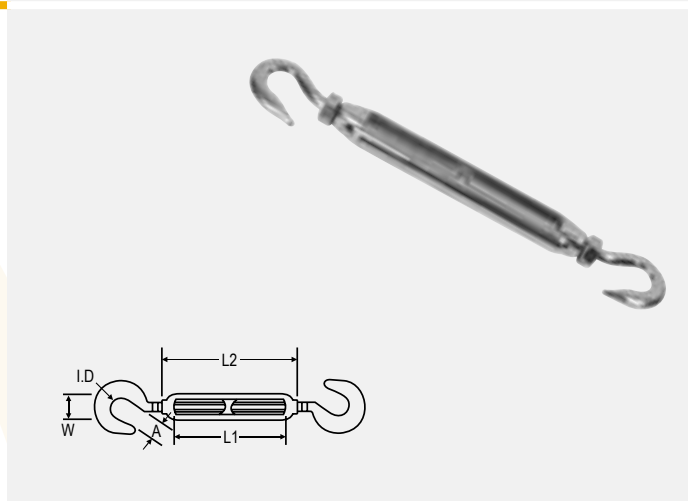
**TURNBUCKLE OPEN BODY - EYE TO HOOK W/LOCK NUTS AISI 316**

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



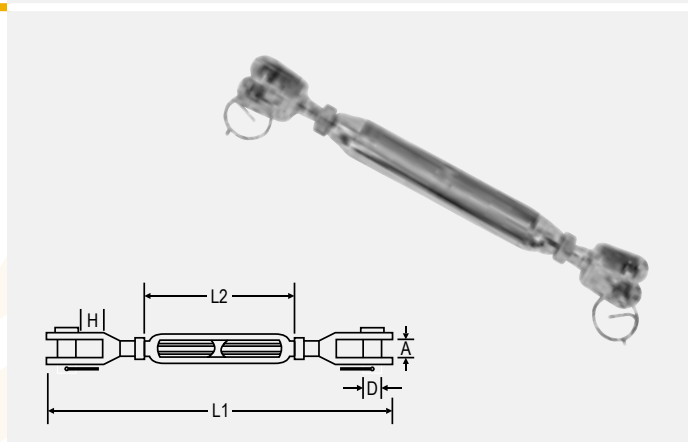
**TURNBUCKLE OPEN BODY - HOOK TO HOOK W/LOCK NUTS AISI 316**

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

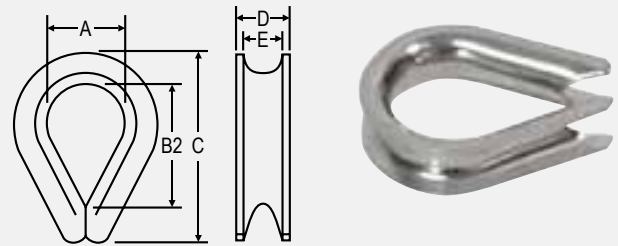
### COPPER FERRULES MACHINE SWAGING DIN3093

- 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

**WIRE ROPE THIMBLE AISI 304**

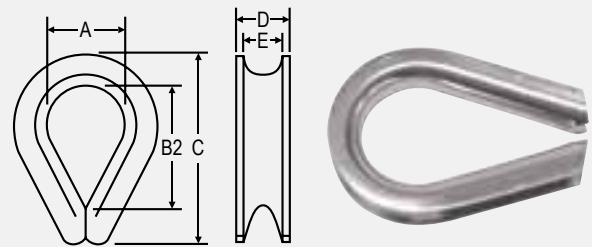
Code	Rope Ø	A	B2	C	D	E
SS-234-02	2.0	7	12	21	5.0	3.2
SS-234-03	3.2	9	14	23	6.0	4.0
SS-234-04	4.0	11	16	27	7.0	5.0
SS-234-05	5.0	14	21	32	8.0	6.0
SS-234-06	6.0	16	26	39	9.5	7.0
SS-234-08	8.0	21	35	50	12.0	9.0
SS-234-10	10.0	26	42	59	14.0	11.0
SS-234-12	12.0	31	48	70	17.5	14.0
SS-234-14	14.0	34	55	76	20.0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

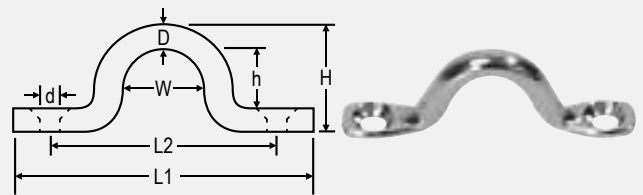
Code	Rope Ø	A	B2	C	D	E
SS-414-06	6.0	22.0	42	54.5	10.0	6.0
SS-414-08	8.0	26.5	42	62.5	11.0	7.0
SS-414-10	10.0	28.0	45	72.0	15.0	10.0
SS-414-12	12.0	37.5	52	84.0	20.0	12.0



**SADDLE (EYE STRAP) AISI 304**

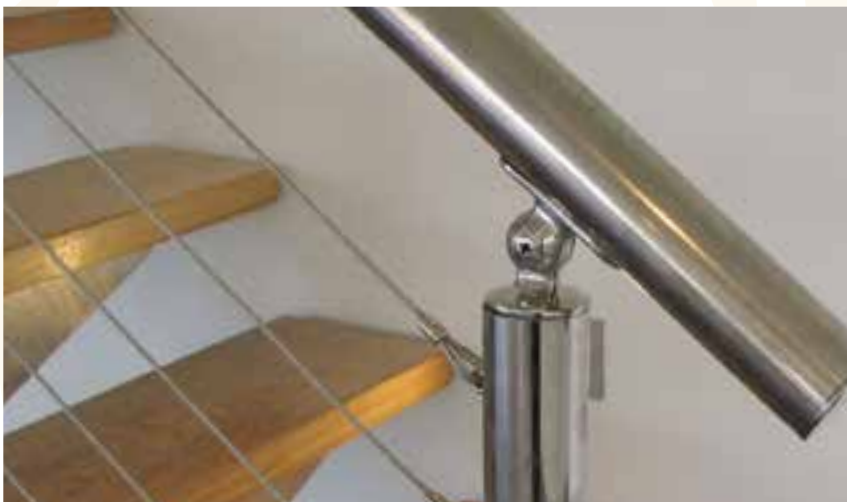
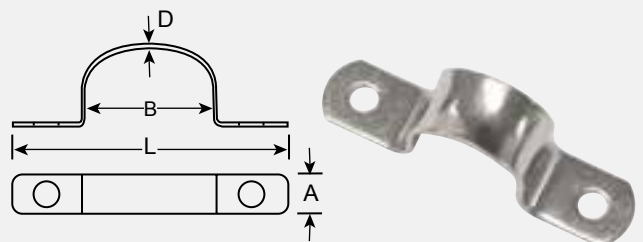
Code	D	d	H	h	L1	L2	W	Wgt
SS-322-04	4	3.2	16	11	40	32	17	4g
SS-322-05*	5	4.2	16	13	51	40	17	8g
SS-322-06	6	5.2	22	16	57	44	24	14g
SS-322-08	8	5.2	25	17	63	47	25	27g

\*AISI 316

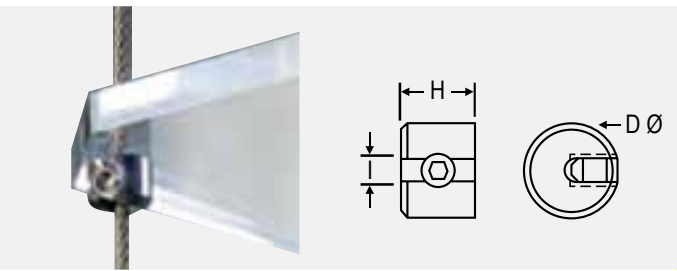


**SADDLE FLAT SHEET TWO HOLE AISI 316**

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



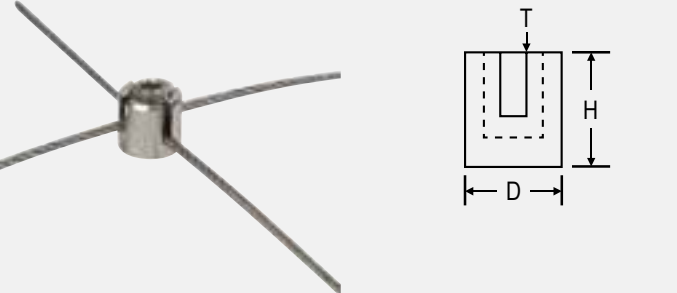
• The perfect addition to compliment modern housing and commercial projects



### WIRE ROPE SHELF SUPPORT CLIPS AISI 316

- Clips to help create elaborate wire rope shelving

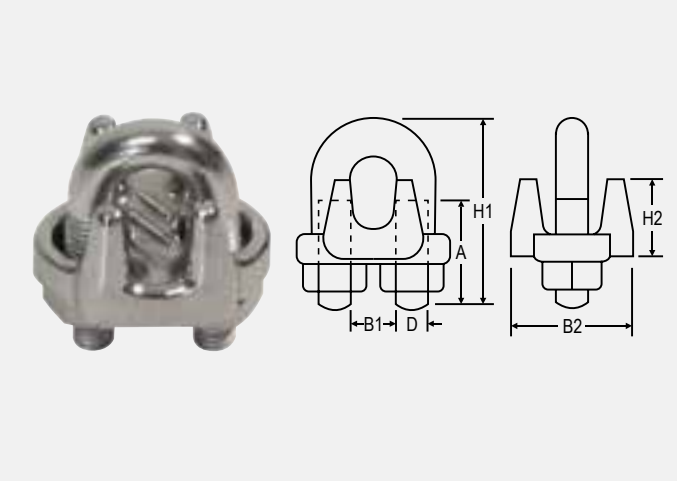
Code	Wire Ø	D	H	I	Wgt
SS-SHST-02	0.6 - 2.5	10	8	2.5	4g
SS-SHST-04	2.5 - 4.0	15	11.5	4	13g



### CROSS CONNECTOR 90 DEG. AISI 304

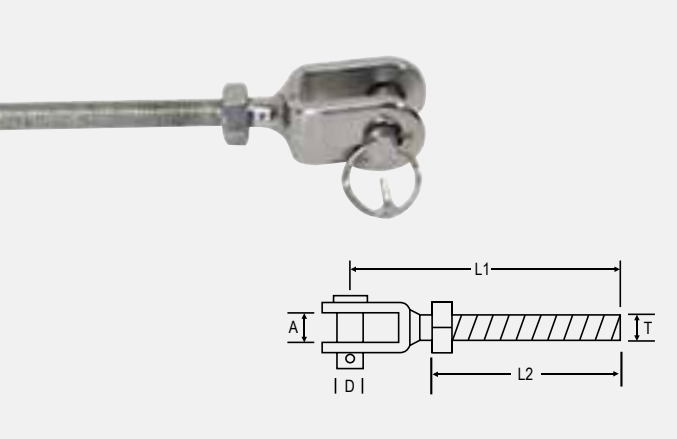
- 90° clamp for drop wires and trellis work
- To be fitted after balustrading has been erected

Code	Wire Ø	T	D	H	Wgt
SS-266-032	3.2 & 4.0	M12	19	19	32g



### WIRE ROPE GRIP AISI 316

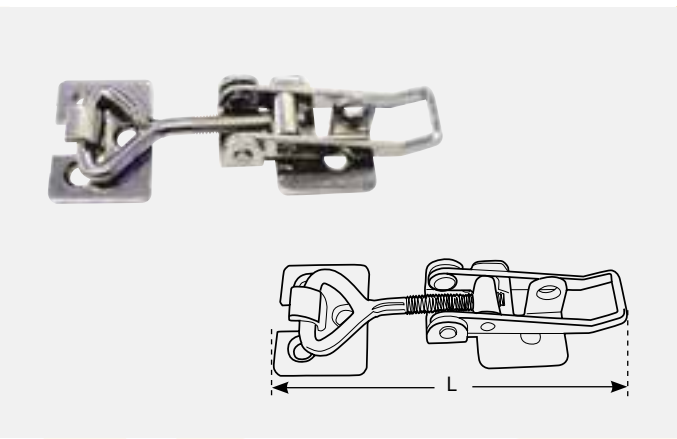
Code	Wire Ø	D	A	B1	B2	H1	H2	TDL	Wgt
SS-260-02	2.0	M3	12	5	13	20	10	400	8g
SS-260-03	3.2	M3	12.7	5	15	21	11	500	9g
SS-260-04	4.0	M4	15	7	17	24	13	750	14g
SS-260-05	5.0	M5	17	7	20	27	15	1400	23g
SS-260-06	6.0	M5	19	8	21	33	17	2450	38g
SS-260-08	8.0	M8	23	10	27	43	20	4150	82g
SS-260-10	10.0	M10	26	12	35	50	23	7500	138g
SS-260-12	12.0	M12	33	14	38	62	26	9000	236g
SS-260-14	14.0	M13	40	18	44	65	31	9000	280g
SS-260-16	16.0	M13	47	19	47	81	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 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



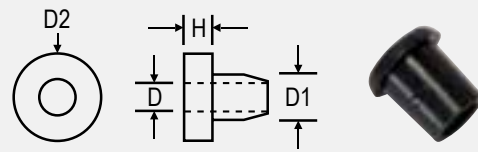
### TOGGLE LATCH AISI 304

Code	L	Wgt
SS-TL-SMALL	100	64g
SS-TL-LARGE	130	104g

**NYLON GROMMET SPLIT TYPE**

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

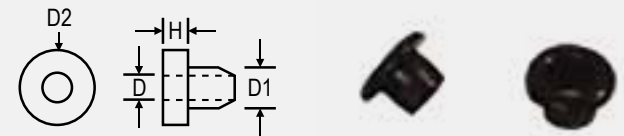
Code	D	D1	D2	H	Colour	Drill Hole Ø	Wire Rope Ø
106874FB	6.5	9.0	12.5	2.5	Black	11/32"	3.2 - 5.0
106874FS	6.5	9.0	12.5	2.5	Silver	11/32"	3.2 - 5.0
106874FC	6.5	9.0	12.5	2.5	Clear	11/32"	3.2 - 5.0



**NYLON GROMMET SOLID TYPE**

- Nylon bush for protecting wire from cutting on sharp objects
- Push fit into posts
- Solid type must be installed before running wires

Code	D	D1	D2	H	Colour	Drill Ø	Wire Ø
NYLONB	5.7	8.5	12.5	2	Black	8mm	3.2 - 5.0



**NYLON GROMMET SPLIT TYPE - ANGLE**

- 37° angled grommet for use in stairs

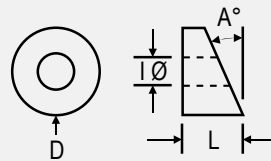
Code	A	B	C	D	Colour	Drill Hole Ø	Wire Rope Ø
104090AW	4.2	8	15	9	White	11/32"	3.2 - 4.0
104090AG	4.2	8	15	9	Grey	11/32"	3.2 - 4.0
104090AB	4.2	8	15	9	Black	11/32"	3.2 - 4.0



**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



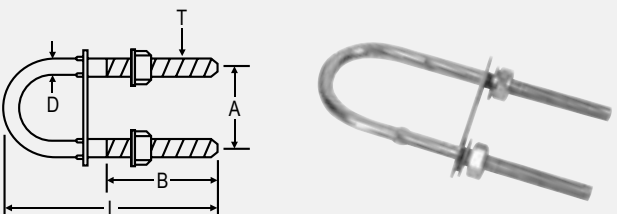
**LYNCH PINS**

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



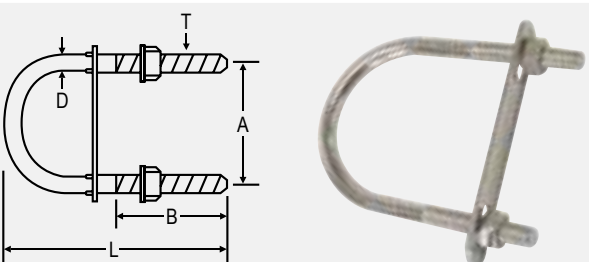
**'U' BOLT W/NUT & WASHER AISI 304**

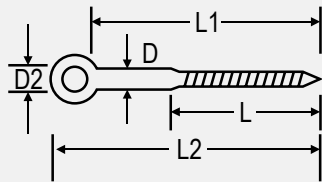
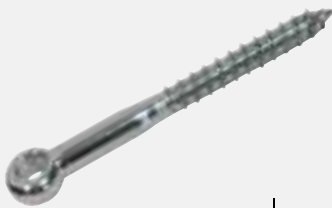
Code	T	A	B	D	L	Wgt
SS-413-053580	M5	35	40	5	80	28g
SS-413-063590	M6	35	40	6	90	49g
SS-413-083580	M8	35	40	8	80	75g
SS-413-0835100	M8	35	50	8	100	88g
SS-413-1050130	M10	50	55	10	130	206g
SS-413-1260150	M12	60	65	12	150	308g



**'U' BOLT W/NUT & WASHER FOR TUBE AISI 304**

Code	T	A	B	D	L	Tube	Wgt
SS-413-62644	M6	26	20	5.5	44	3/4"	28g
SS-413-63250	M6	32	26	5.5	50	1"	32g
SS-413-63858	M6	38	26	5.5	58	1 1/4"	37g
SS-413-84882	M8	48	38	7.0	82	1 1/2"	77g
SS-413-86190	M8	61	38	7.0	90	2"	86g
SS-413-87097	M8	70	37	7.0	97	2 1/2"	96g



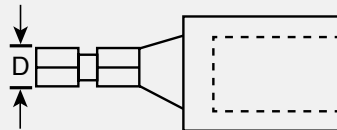


### LAG EYE SCREW AISI 316 (TIMBER THREAD) AISI 316

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	12g
SS-3182-0860	8	8.4	40	60	70	25g
SS-3182-1080	10	10.5	55	80	10	54g
SS-3182-12100	12	12.5	65	105	123	101g



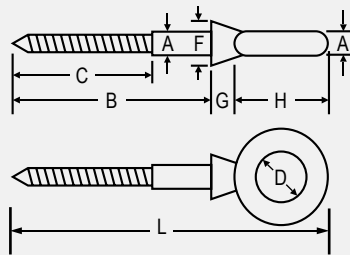
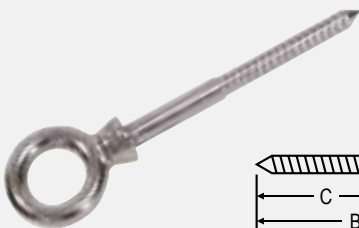
**Time Saving Investment**



### SOCKET DRIVE FOR LAG SCREWS

• Insert in drill for fast installation of lag screw eyes

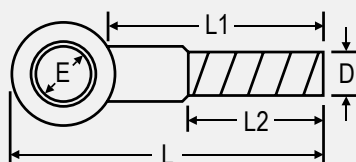
Code	D	Suit Lag Screw	Wgt
SD-M6	6.4 A/F	SS-3182-0660	15g
SD-M8	9.0 A/F	SS-3182-0860	48g



### 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	50	28	11.5	10	6	21	77	16g
SS-3291-0660	6	60	35	14.5	11.5	7	25	82	28g
SS-3291-0880	8	80	48	18	16	8	34	121	64g
SS-3291-1060	10	60	50	22	19.5	10.5	39	111	85g
SS-3291-1080	10	80	48	22	19.5	10.5	39	130	102g
SS-3291-10100	10	100	60	22	19.5	10.5	39	150	110g
SS-3291-12100	12	100	65	27	23	12	51	162	205g
SS-3291-12120	12	120	75	27	23	12	51	182	220g
SS-3291-12160	12	160	98	27	23	12	51	225	250g



### EYE SCREW (METAL THREAD) AISI 316

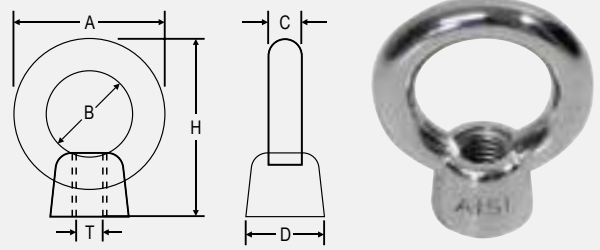
• A high quality threaded eye suitable for fixing to steel posts  
• Use with rivet nut (page 90) for post fixing  
• Other sizes available on request

Code	D	L	L1	L2	E	Wgt
SS-444-610	M6	27	14	10	6.4	7g
SS-444-615	M6	36	20	15	6.4	9g
SS-444-630	M6	49	35	30	6.4	12g
SS-444-660	M6	79	65	60	6.4	17g
SS-444-880	M8	91	75	70	8.4	30g
SS-444-10110	M10	130	110	100	10	73g
SS-444-1250	M12	65	40	25	12.3	65g



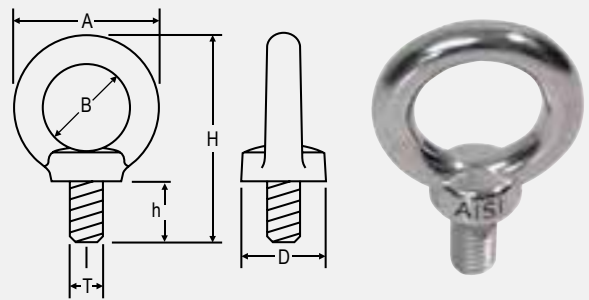
**EYE NUT AISI 316**

Code	T	A	B	C	D	H	RWL	TDL	Wgt
SS-3061-06	M6	26	16	5	13	31	275	1100	15g
SS-3061-08	M8	33	20	6	16	38	325	1300	25g
SS-3061-10	M10	40	25	8	20	49	650	2600	49g
SS-3061-12	M12	49	30	10	25	60	850	3400	95g
SS-3061-16	M16	59	35	12	30	70	2000	8000	184g
SS-3061-20	M20	72	40	16	35	86	2625	10500	370g
SS-3061-24	M24	90	50	20	45	110	3000	12000	813g



**EYE BOLT WITH COLLAR AISI 316**

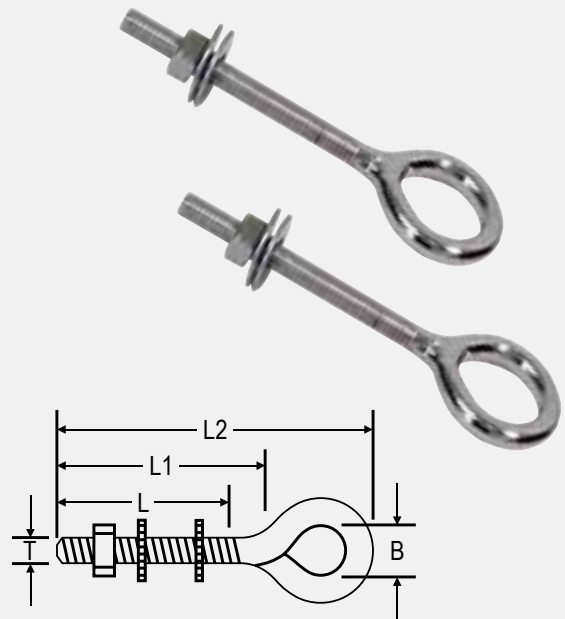
Code	T	A	B	D	H	h	RWL	TDL	Wgt
SS-580-06	M6	26	16	13	37	10	325	1300	20g
SS-580-08	M8	33	20	16	50	14	500	2000	49g
SS-580-10	M10	40	25	20	63	18	650	2600	94g
SS-580-12	M12	49	30	25	75	20	1125	4500	169g
SS-580-16	M16	59	35	30	90	27	1750	7000	267g
SS-580-20	M20	72	40	35	102	30	2500	10000	397g
SS-580-24	M24	90	50	45	126	38	3000	12000	780g



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

• Alternate sizes and lengths available on request

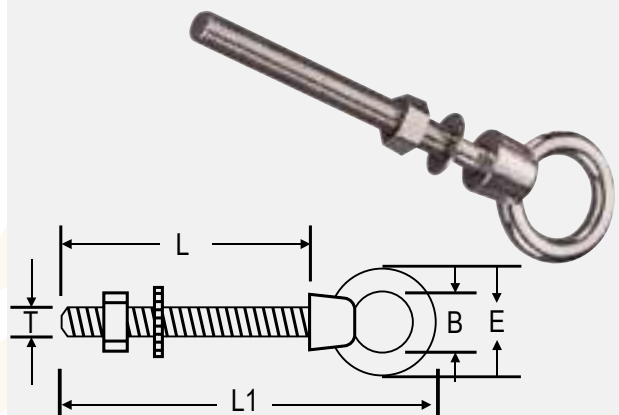
Code	T	B	L	L1	L2	RWL	TDL	Wgt
SS-3191-0550	M5	13	50	55	78	150	600	15g
SS-3191-0640	M6	16	40	45	73	250	1000	20g
SS-3191-0660	M6	16	60	60	83	250	1000	25g
SS-3191-0680	M6	16	80	80	105	250	1000	28g
SS-3191-06100	M6	16	100	103	128	250	1000	32g
SS-3191-0860	M8	19	60	67	100	450	1800	54g
SS-3191-0880	M8	19	80	87	120	450	1800	59g
SS-3191-08100	M8	19	100	107	140	450	1800	67g
SS-3191-08130	M8	19	130	137	165	450	1800	73g
SS-3191-1080	M10	24	80	88	130	600	2400	110g
SS-3191-10120	M10	24	120	128	172	600	2400	127g
SS-3191-10160	M10	24	160	168	210	600	2400	144g
SS-3191-12110	M12	26	110	120	170	875	3500	178g
SS-3191-12150	M12	26	150	160	206	875	3500	220g
SS-3191-16130	M16	30	130	145	204	1875	7500	416g



**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-307-0660	M6	15	25	60	90	275	1100	28g
SS-307-0880	M8	20	32	80	120	325	1300	61g
SS-307-10100	M10	25	41	100	148	650	2600	126g
SS-307-10120	M10	25	41	120	168	650	2600	135g
SS-307-10160	M10	25	41	160	208	650	2600	153g
SS-307-12120	M12	30	50	120	180	875	3500	238g
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

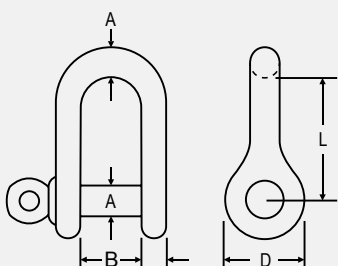
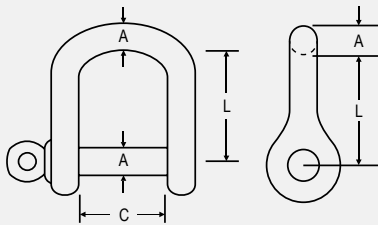
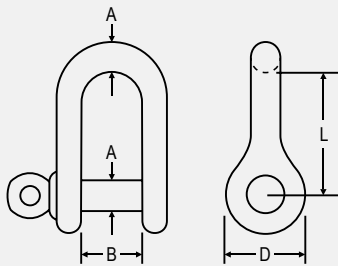
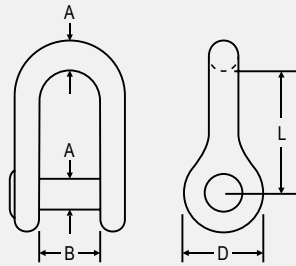
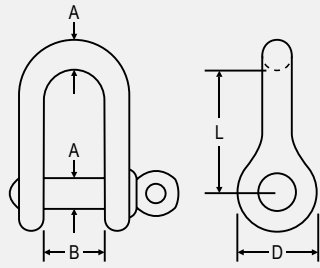
Code	A	B	D	L	RWL	TDL	Wgt
SS-360LK-06	M6	12	12	24	425	1700	24g
SS-360LK-08	M8	16	16	32	625	2500	56g
SS-360LK-10	M10	20	20	40	1025	4100	102g

### 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

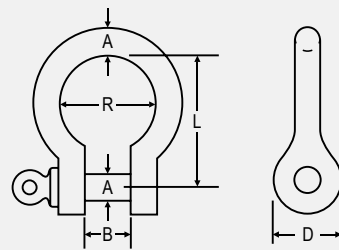
### LONG "D" SHACKLE AISI 316

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



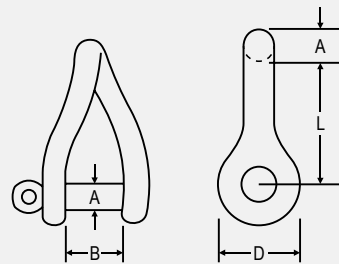
**BOW SHACKLE AISI 316**

Code	A	B	D	L	R	RWL	TDL	Wgt
SS-370-05	M5	10	10	20	18	75	300	17g
SS-370-06	M6	13	12	30	21	130	520	28g
SS-370-08	M8	18	16	40	26	262	1050	60g
SS-370-10	M10	23	20	48	34	325	1300	116g
SS-370-12	M12	26	24	65	42	550	2200	233g
SS-370-16	M16	32	32	84	56	844	3375	539g
SS-370-22	M22	44	44	110	75	1300	5200	1314g



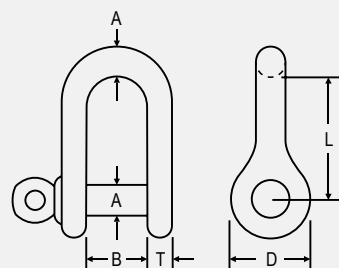
**TWISTED SHACKLE AISI 316**

Code	A	B	D	L	RWL	TDL	Wgt
SS-380-06	M6	13	12	36	400	1600	28g
SS-380-08	M8	16	16	46	700	2800	70g
SS-380-10	M10	21	20	51	1150	4600	128g



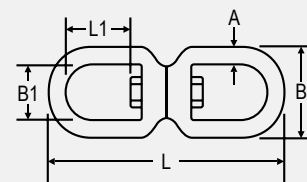
**SEMI ROUND "D" SHACKLE AISI 316**

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



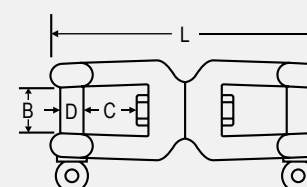
**SWIVEL EYE + EYE AISI 316**

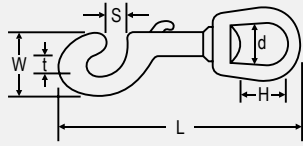
Code	A	B	B1	L	L1	RWL	TDL	Wgt
SS-018EE-06	6	26	15	65	15	300	1200	53g
SS-018EE-08	8	35	20	90	22	475	1900	123g
SS-018EE-10	10	44	24	115	27	875	3500	241g
SS-018EE-12	12	48	25	128	28	1250	5000	561g



**SWIVEL JAW + JAW AISI 316**

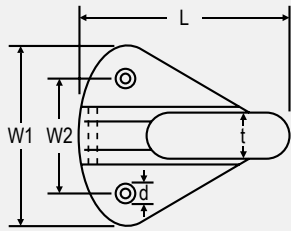
Code	B	C	D	L	RWL	TDL	Wgt
SS-018JJ-06	12	11	6	66	300	1200	66g
SS-018JJ-08	16	16	8	94	475	1900	165g
SS-018JJ-10	20	22	10	118	875	3500	319g
SS-018JJ-12	26	28	12	152	1250	5000	610g





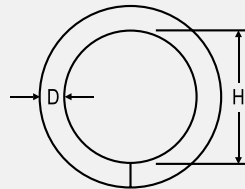
### SWIVEL EYE SNAP AISI 316

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

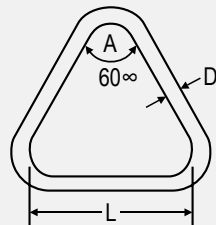
Code	d	L	t	W1	W2	Wgt
SS-5359-38	4.5	38	5.0	34	22	50g
SS-5359-41	4.5	41	7.5	34	22	55g



### ROUND RING WELDED AISI 304

• Alternate sizes available on request

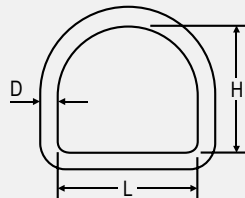
Code	D	H	RWL	TDL	Wgt
SS-1717-0425	4	25	250	1000	10g
SS-1717-0535	5	35	500	2000	20g
SS-1717-0640	6	40	675	2700	32g
SS-1717-0650	6	50	675	2700	39g
SS-1717-0855	8	55	1250	5000	73g
SS-1717-0875	8	75	1250	5000	100g
SS-1717-1075	10	75	2125	8500	156g



### TRIANGULAR RING WELDED AISI 304

• Alternate sizes available on request

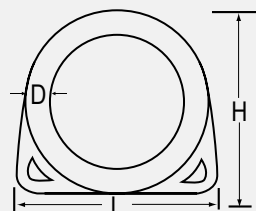
Code	A	D	L	RWL	TDL	Wgt
SS-325T-650	60°	6	50	500	2000	37g
SS-325T-850	60°	8	50	700	2800	68g
SS-325T-1065	60°	10	65	1250	5000	145g



### 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

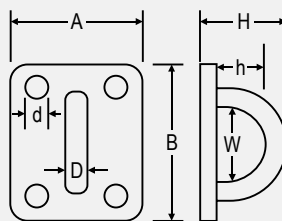


### DEE RING W/THIMBLE AISI 304

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

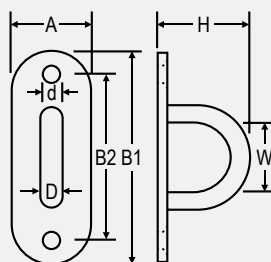
**OBLONG PAD EYE AISI 304**

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



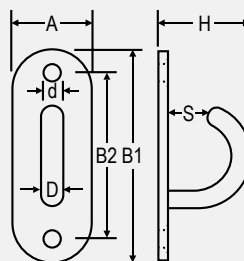
**OVAL PAD EYE AISI 304**

Code	A	B1	B2	D	d	H	W	RWL	TDL	Screw Size	Wgt
SS-3212-05	15	45	35.5	5	4.2	20	14	175	700	6g	20g
SS-3212-06	20	60	46	6	5.2	25	16	250	1000	8g	33g
SS-3212-08	26	80	60	8	5.2	32	20	400	1600	10g	70g



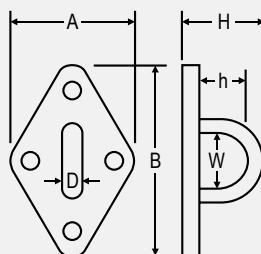
**OVAL OPEN PAD EYE AISI 304**

Code	A	B1	B2	D	d	H	S	RWL	TDL	Screw Size	Wgt
SS-3212H-05	15	45	35.5	5	4.2	20	8	50	200	6g	19g
SS-3212H-06	20	60	46	6	5.2	25	12.5	55	220	8g	30g
SS-3212H-08	26	80	60	8	5.2	32	14	63	250	10g	64g



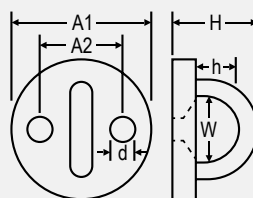
**DIAMOND PAD EYE CASTING TYPE AISI 304**

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



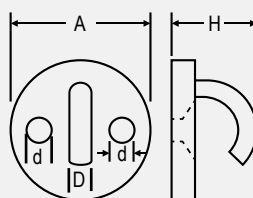
**ROUND PAD EYE AISI 304**

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



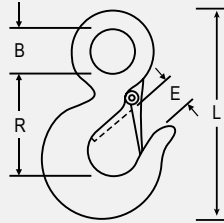
**ROUND OPEN PAD EYE AISI 304**

Code	A	D	d	H	RWL	TDL	Wgt
SS-3214H-06	40	6	4.5	25	55	220	38g
SS-3214H-08	50	8	5.5	35	63	252	65g



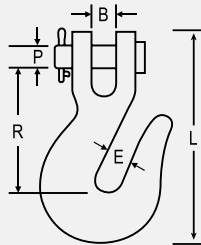
# STAINLESS STEEL HARDWARE

GRAB / SLIP /  
'S'HOOKS



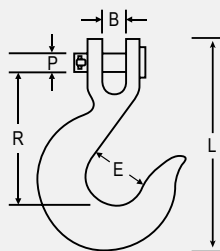
## EYE SLIP HOOK W/SAFETY CATCH AISI 316

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



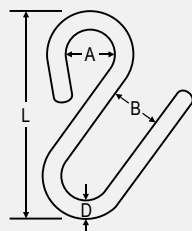
## CLEVIS PIN GRAB HOOK AISI 316

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

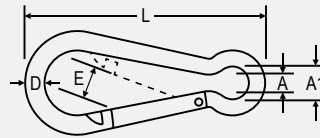


## 'S' HOOK AISI 304

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

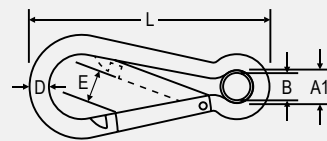
**SPRING HOOK AISI 316**

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



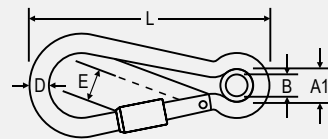
**SPRING HOOK W/EYELET AISI 316**

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



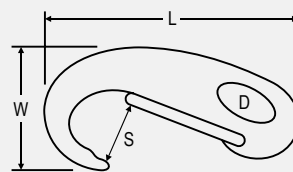
**SPRING HOOK W/EYELET & NUT AISI 316**

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



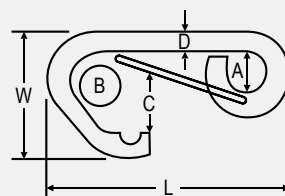
**CAST SNAP HOOK AISI 316**

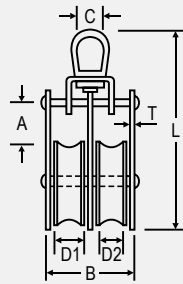
Code	D	L	S	W	RWL	TDL	Wgt
SS-2470-05	8	50	10	25	220	55	23g
SS-2470-07	12	70	11	31	88	350	56g
SS-2470-10	16	100	15	50	225	900	148g



**ASYMMETRIC SPRING HOOK AISI 316**

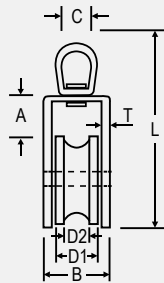
Code	A	B	C	D	L	W	RWL	TDL	Wgt
SS-2430-06	7	10	10	6	61	35	188	750	29g
SS-2430-08	11	13	13	8	81	48	438	1750	66g
SS-2430-10	13	15	15	10	102	58	563	2250	124g
SS-2430-12	16	21	21	12	122	70	913	3650	222g





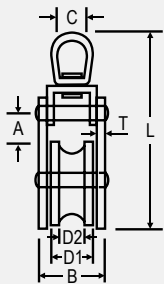
### DOUBLE SHEAVE NYLON PULLEY W/BRASS BUSHING AISI 304

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



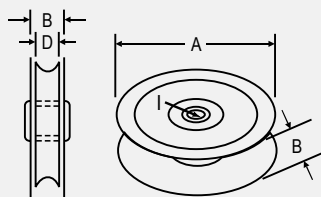
### SINGLE SHEAVE S/STEEL PULLEY W/BRASS BUSHING AISI 304

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

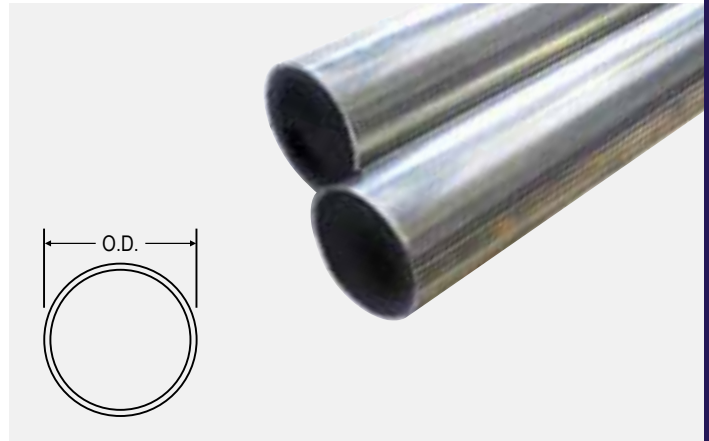
Code	A	B	D	I	Wgt
SS-3130-050	50	19	15	10.6	120g
SS-3130-075	75	20	16	13.6	267g
SS-3130-100	100	26	18	17.3	530g



**ROUND STAINLESS STEEL WELDED TUBE ASTM A554**

- Refer pages 34 – 42 for associated round handrail fittings
- All tube available in cut lengths - cutting fee may apply

Code	O.D.	Wall	Polish	Grade	Length	Wgt
RT-S-316-1.5-6M	1.5"	1.5	180g	316g	6Mtr	7
RT-S-316-2-6M	2"	1.5	180g	316g	6Mtr	11
RT-P-316-0.5-6M	0.5"	1.5	600g	316g	6Mtr	2
RT-P-316-1-6M	1"	1.5	600g	316g	6Mtr	4
RT-P-316-1.5-6M	1.5"	1.5	600g	316g	6Mtr	7
RT-P-316-2-6M	2"	1.5	600g	316g	6Mtr	11
RT-P-316-2.5-6M	2.5"	1.5	600g	316g	6Mtr	14
RT-UB-316-2-6M	2"	1.5	Ultra Bright	316g	6Mtr	11



**SQUARE STAINLESS STEEL WELDED TUBE ASTM A554**

- Refer pages 43 – 45 for associated square handrail fittings
- All tube available in cut lengths - cutting fee may apply
- Other sizes available on request

Code	O.D.	Wall	Polish	Grade	Length	Wgt
ST-S-316-2-6M	2"	1.5	180g	316g	6Mtr	13
ST-P-316-2-6M	2"	1.5	600g	316g	6Mtr	13
ST-UB-316-2-6M	2"	1.5	Ultra Bright	316g	6Mtr	13



**RECTANGLE STAINLESS STEEL WELDED TUBE 50 X 10**

- Ideal for that flat handrail look
- Refer page 46 – 47 for associated handrail fittings
- All tube available in cut lengths - cutting fee may apply

Code	Size	Wall	Polish	Grade	Length	Wgt
RCT-S-316-5010-6M	50 x 10	1.5	180g	316g	6Mtr	7.2
RCT-P-316-5010-6M	50 x 10	1.5	600g	316g	6Mtr	7.2



**U CHANNEL STAINLESS STEEL WELDED TUBE**

- Ideal for that flat handrail look on glass panels
- Refer page 48 – 49 for associated handrail fittings
- Other sizes available on request
- All tube available in cut lengths - cutting fee may apply

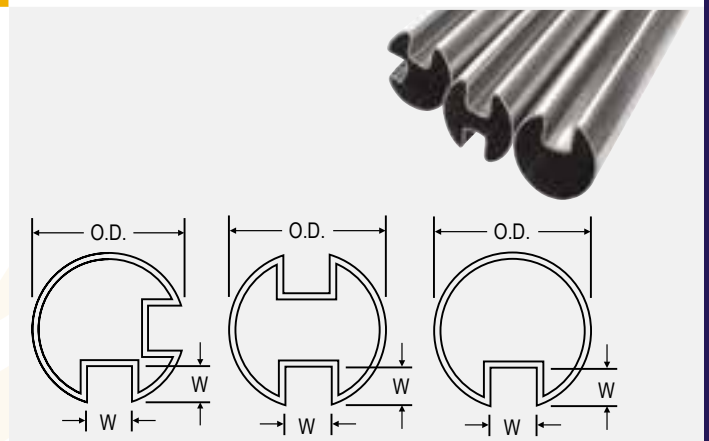
Code	Size	Wall	Polish	Grade	Length	Wgt
UCT-S-316-2521-5.8M	25 x 21	1.2	180g	316g	5.8Mtr	7.2
UCT-P-316-2521-5.8M	25 x 21	1.2	600g	316g	5.8Mtr	7.2

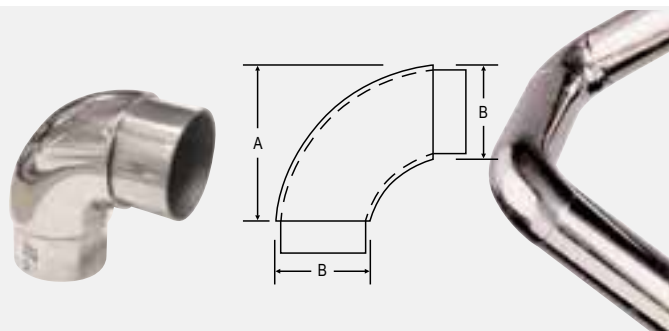


**ROUND SLOTTED STAINLESS STEEL WELDED TUBE ASTM A554**

- Ideal for glass balustrading or pool fencing.
- Refer page 50 – 51 for associated slotted handrail fittings
- Slotted tube infill available refer page 50
- All tube available in cut lengths - cutting fee may apply

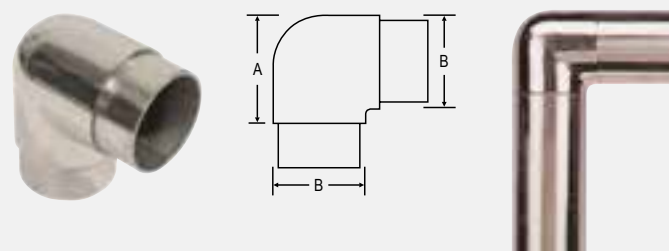
Code	O.D.	Wall	W	Polish	Grade	Slot	Length	Wgt
RT-P-SS-2-6M	2"	1.5	15	600g	316g	Single	6Mtr	13
RT-P-DS-2-6M	2"	1.5	15	600g	316g	Double	6Mtr	15
RT-P-NS-2-3M	2"	1.5	15	600g	316g	90°	3Mtr	6.5





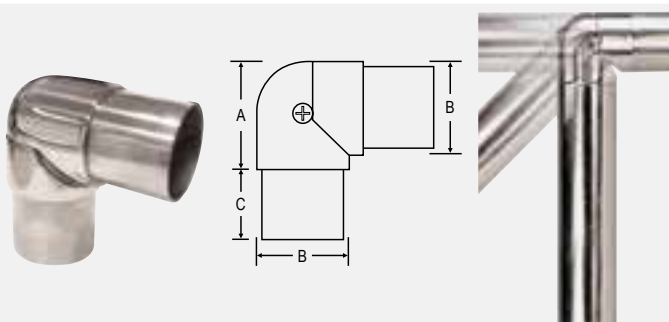
### FLUSH JOINER "90°" RADIUSED AISI 316

Code	Tube Ø	Wall	A	B	Finish	Wgt
HR-1501E	1.5"	1.5	66	38.1	Mirror	275g
HR-2001E	2"	1.5	92	50.8	Mirror	341g
HR-PR-2001E	2"	1.5	94	50.8	Mirror	562g
HR-S-2001E	2"	1.5	92	50.8	Satin	341g



### FLUSH JOINER "90°" AISI 316

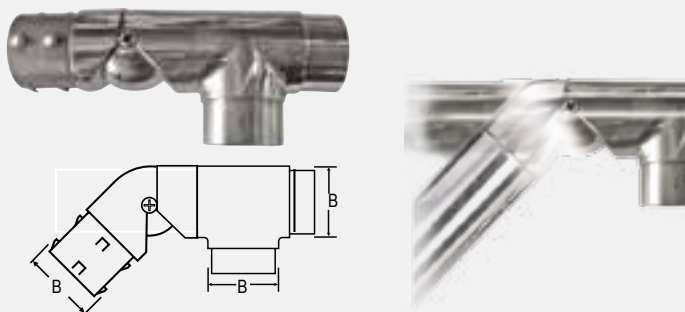
Code	Tube Ø	Wall	A	B	Finish	Wgt
HR-1002E	1"	1.5	34	25.4	Mirror	110g
HR-1502E	1.5"	1.5	51	38.1	Mirror	236g
HR-2002E	2"	1.5	58	50.8	Mirror	389g
HR-PR-2002E	2"	1.5	56	50.8	Mirror	420g
HR-S-2002E	2"	1.5	58	50.8	Satin	389g



### FLUSH JOINER "ADJUSTABLE" AISI 316

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

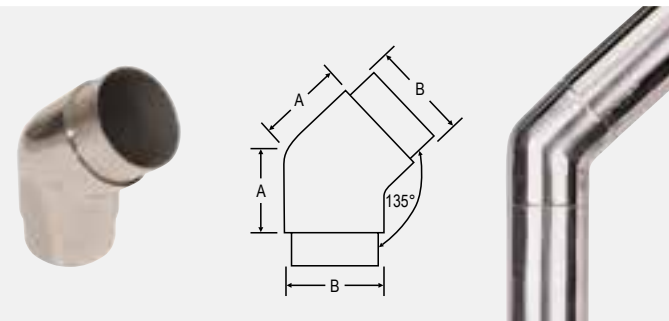
Code	Tube Ø	Wall	A	B	C	Wgt
HR-15349E	1.5"	1.5	41	38.1	29	225g
HR-20349E	2"	1.5	60	50.8	24	460g
HR-PR-20349E	2"	1.5	57	50.8	39	490g



### FLUSH JOINER "ADJUSTABLE TEE" AISI 316

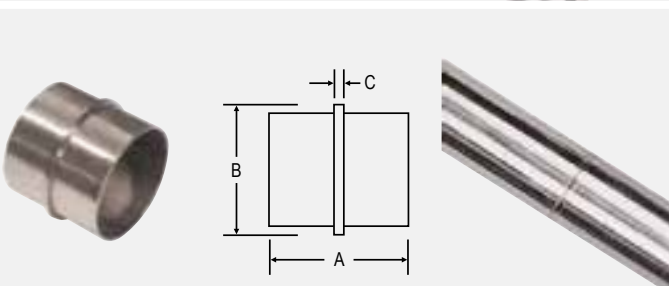
- Flexible joiner used for stairway handrails
- Adjusts from 90° to 180°

Code	Tube Ø	Wall	B	Wgt
HR-2061A	2"	1.5	50.8	805g
HR-PR-2061A	2"	1.5	50.8	883g



### FLUSH JOINER "135°" AISI 316

Code	Tube Ø	Wall	A	B	Wgt
HR-1003E	1"	1.5	22	25.4	89g
HR-1503E	1.5"	1.5	41	38.1	273g
HR-2003E	2"	1.5	47	50.8	424g
HR-PR-2003E	2"	1.5	43	50.8	428g

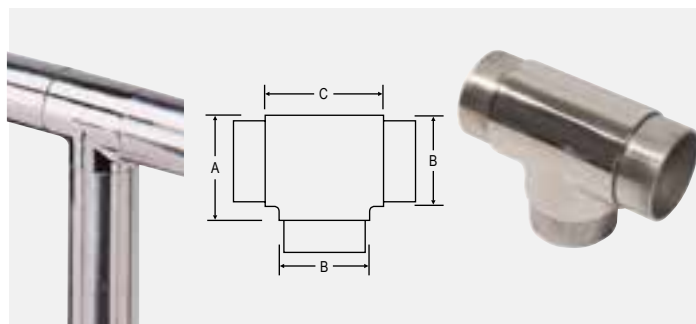


### FLUSH JOINER "IN-LINE" AISI 316

Code	Tube Ø	Wall	A	B	C	Finish	Wgt
HR-1004E	1"	1.5	45	25.4	5	Mirror	46g
HR-1504E	1.5"	1.5	51	38.1	3	Mirror	114g
HR-2004E	2"	1.5	54	50.8	4	Mirror	122g
HR-PR-2004E	2"	1.5	60	50.8	3.5	Mirror	164g
HR-S-2004E	2"	1.5	54	50.8	4	Satin	122g

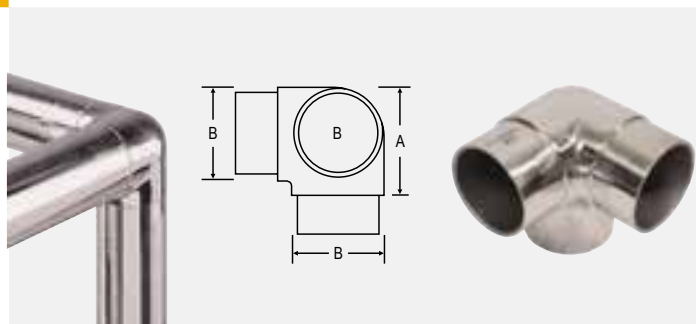
**FLUSH JOINER "TEE" AISI 316**

Code	Tube Ø	Wall	A	B	C	Wgt
HR-1005E	1"	1.5	36	25.4	51	155g
HR-1505E	1.5"	1.5	51	38.1	60	306g
HR-2005E	2"	1.5	57	50.8	63	387g
HR-PR-2005E	2"	1.5	57	50.8	67	504g



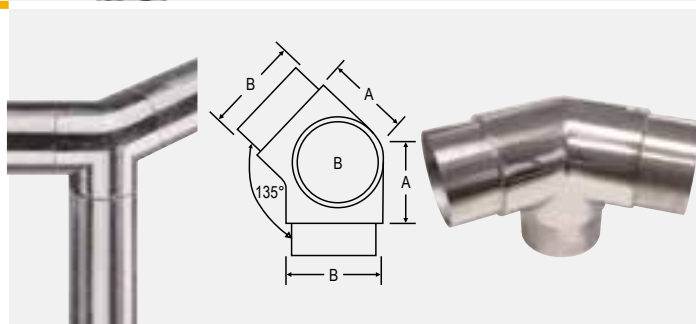
**FLUSH JOINER "90° TEE" AISI 316**

Code	Tube Ø	Wall	A	B	Finish	Wgt
HR-1006E	1"	1.5	32	25.4	Mirror	149g
HR-1506E	1.5"	1.5	51	38.1	Mirror	301g
HR-2006E	2"	1.5	62	50.8	Mirror	382g
HR-PR-2006E	2"	1.5	55	50.8	Mirror	440g
HR-S-2006E	2"	1.5	62	50.8	Satin	382g



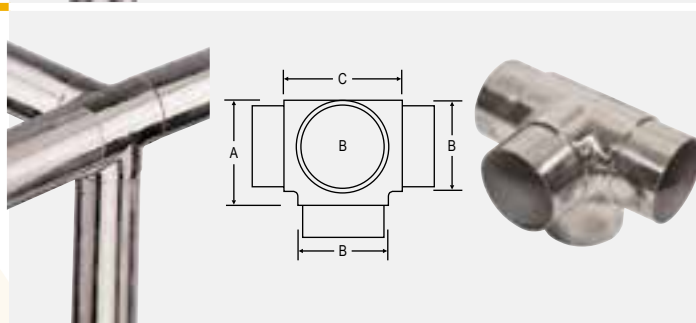
**FLUSH JOINER "135° TEE" AISI 316**

Code	Tube Ø	Wall	A	B	Wgt
HR-1507E	1.5"	1.5	41	38.1	240g
HR-2007E	2"	1.5	62	50.8	379g
HR-PR-2007E	2"	1.5	55	50.8	500g



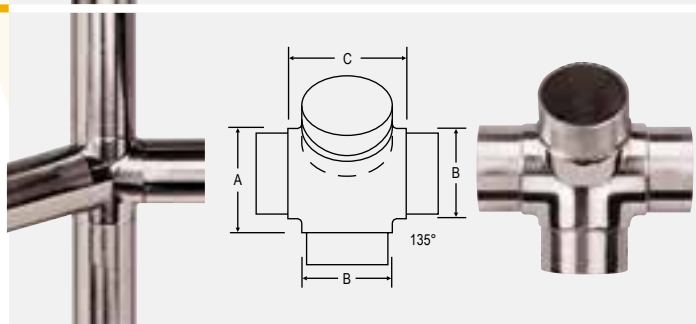
**FLUSH JOINER "4-WAY TEE" AISI 316**

Code	Tube Ø	Wall	A	B	C	Wgt
HR-2008E	2"	1.5	62	50.8	74	471g
HR-PR-2008E	2"	1.5	57	50.8	65	480g



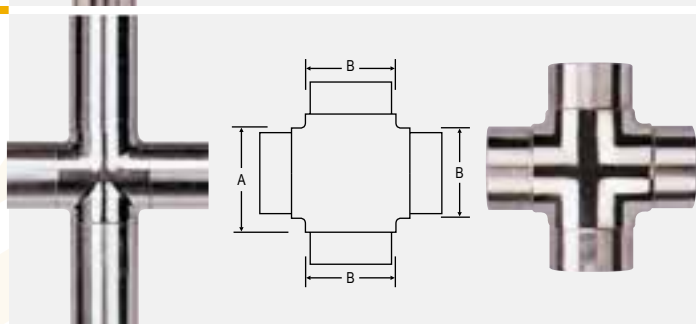
**FLUSH JOINER 135° "STAR" AISI 316**

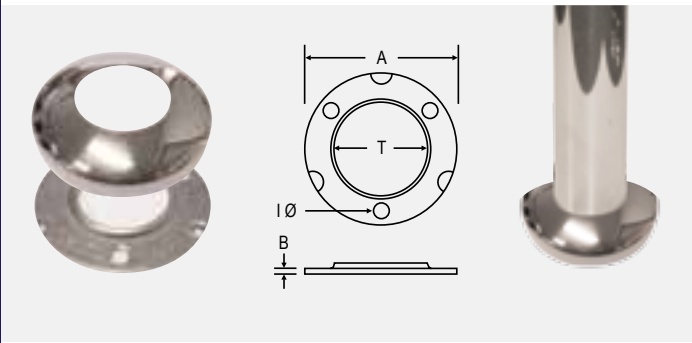
Code	Tube Ø	Wall	A	B	C	Wgt
HR-2009E	2"	1.5	62	50.8	74	444g
HR-PR-2009E	2"	1.5	57	50.8	65	528g



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

Code	Tube Ø	Wall	A	B	C	Wgt
HR-1510E	1.5"	1.5	50	38.1	60	415g
HR-2010E	2"	1.5	62	50.8	73	441g
HR-PR-2010E	2"	1.5	58	50.8	66	507g

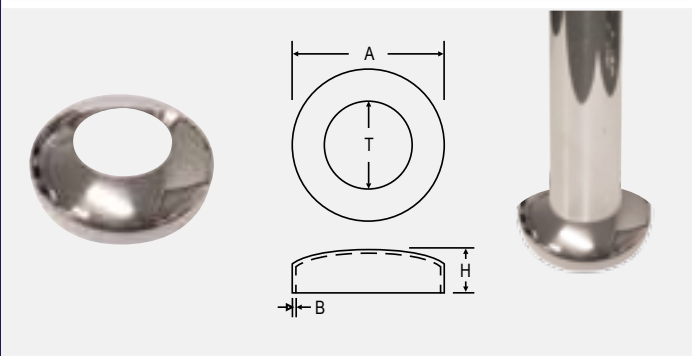




### ROUND BASE PLATE W/COVER (WELD) AISI 316

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

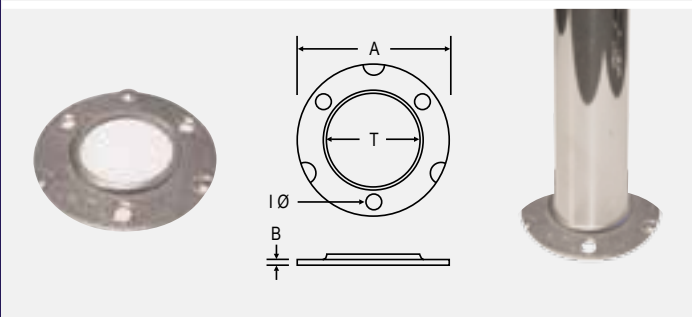
Code	Tube Ø	A	B	I	T	Wgt
HR-1001A	1"	65	2.0	6.5	25.5	72g
HR-1501A	1.5"	80	2.0	6.5	38.3	100g
HR-2001A	2"	100	3.0	8.5	51.0	188g
HR-PR-2001A	2"	100	3.0	8.5	51.0	208g



### ROUND COVER PLATE ONLY AISI 316

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

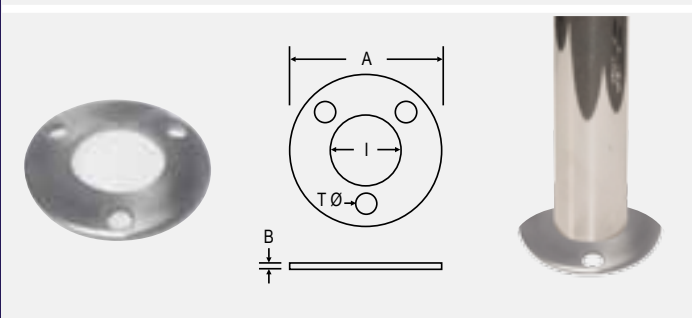
Code	Tube Ø	A	B	H	T	Finish	Wgt
HR-1001A-C	1"	67	0.8	15	25.8	Mirror	39g
HR-1501A-C	1.5"	82	0.8	17	38.4	Mirror	62g
HR-2001A-C	2"	102	0.8	26	51.2	Mirror	75g
HR-PR-2001A-C	2"	102	0.8	26	51.2	Mirror	75g
HR-S-2001A-C	2"	102	0.8	26	51.2	Satin	75g



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

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

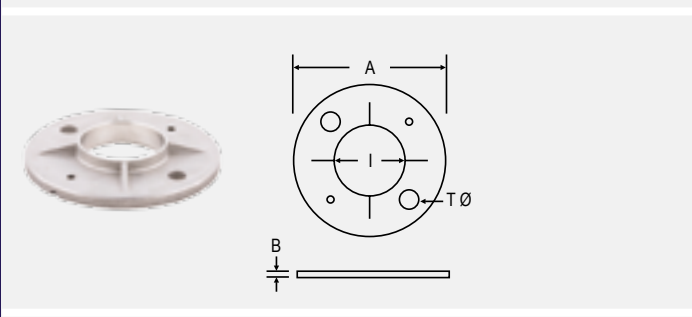
Code	Tube Ø	A	B	I	T	Wgt
HR-1001A-B	1"	65	2	6.5	25.5	44g
HR-1501A-B	1.5"	80	2	6.5	38.3	59g
HR-2001A-B	2"	100	3	8.5	51	134g
HR-PR-2001A-B	2"	100	3	8.5	51	120g



### 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 (HR-2001A-C)
- This item must be welded

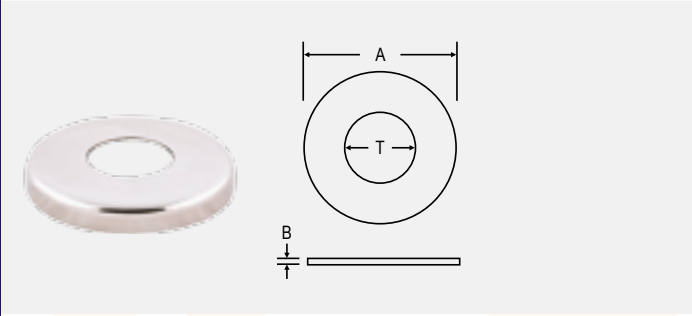
Code	Tube Ø	A	B	I	T	Wgt
HR-2001D	2"	100	6	51	8.5	257g



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

- 4 hole base plate for commercial and structural applications
- Satin Surface finish
- Large cover plate also available (HR-2001A-HDCP)
- This item must be welded

Code	Tube Ø	A	B	I	T	Wgt
HR-2001A-HDBP	2"	120	8	51	11	380g



### LARGE ROUND COVER PLATE ONLY AISI 316

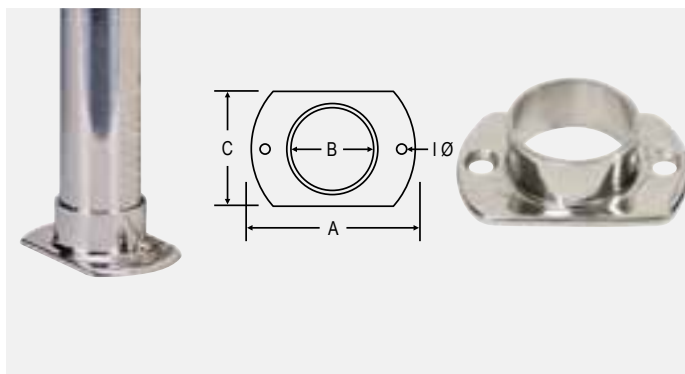
- Large flat cover plate to suit 4 hole heavy duty base plate (HR-2001-HDBP)
- Only available in mirror polish

Code	Tube Ø	A	B	T	Wgt
HR-2001A-HDCP	2"	127	1.6	51	170g

**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

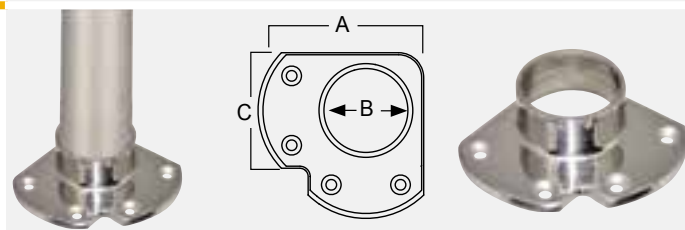
Code	Tube Ø	A	B	C	I	Finish	Wgt
HR-1014A	1"	70	25.4	39	5	Mirror	94g
HR-1514A	1.5"	75	38.1	57	5	Mirror	141g
HR-2014A	2"	102	50.8	70	6.5	Mirror	250g
HR-PR-2014A	2"	102	50.8	70	8.5	Mirror	254g
HR-S-2014A	2"	102	50.8	70	6.5	Satin	250g



**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
HR-2014L	2"	101	50.8	70	335g
HR-PR-2014L	2"	101	50.8	70	339g

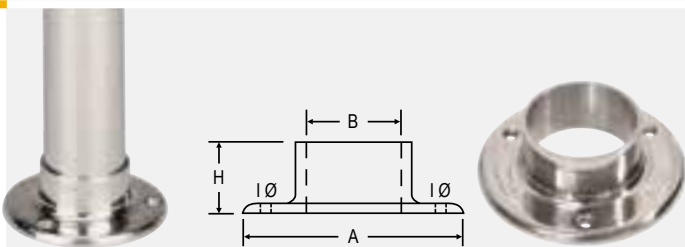


**ROUND BASE PLATE/FLANGE AISI 316**

- 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	Finish	Wgt
HR-1016A*	1"	70	25.4	25	5	Mirror	129g
HR-1516A	1.5"	76	38.1	25	5	Mirror	162g
HR-2016A	2"	102	50.8	33	8.5	Mirror	309g
HR-PR-2016A	2"	102	50.8	33	6.5	Mirror	300g
HR-S-2016A	2"	102	50.8	33	8.5	Satin	309g

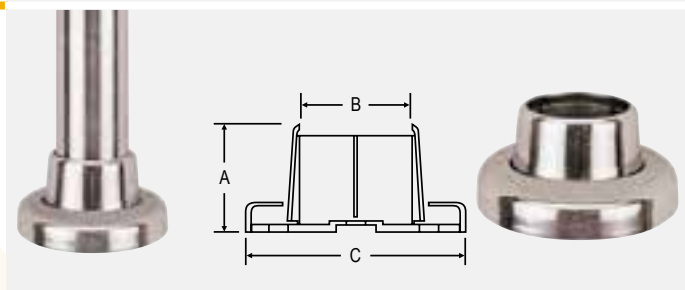
\* N.B. HR-1016A only has two holes – not three



**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

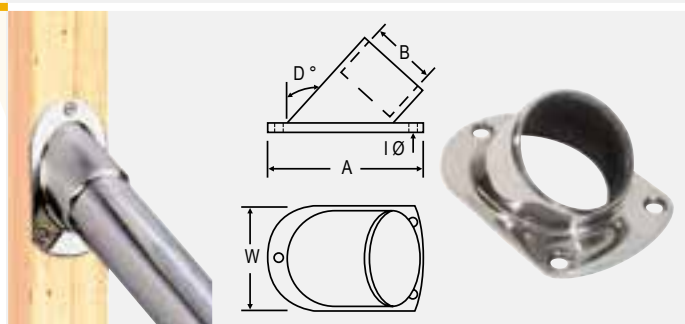
Code	Tube Ø	A	B	C	Wgt
HR-1099A	1"	35	25.4	65	149g
HR-1599A	1.5"	45	38.1	82	310g
HR-2099A	2"	48	50.8	101	492g
HR-PR-2099A	2"	48	50.8	101	492g



**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

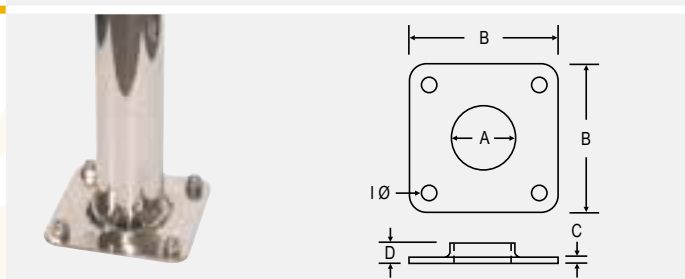
Code	Tube Ø	D	A	B	W	I	Wgt
HR-1515B	1.5"	32°	97	38.1	64	6.5	189g
HR-1515C	1.5"	37°	97	38.1	64	6.5	189g
HR-2015A	2"	45°	130	50.8	70	6.5	298g
HR-2015C	2"	37°	110	50.8	70	7	298g
HR-PR-2015A	2"	45°	130	50.8	70	7	298g
HR-PR-2015C	2"	37°	110	50.8	70	6	260g

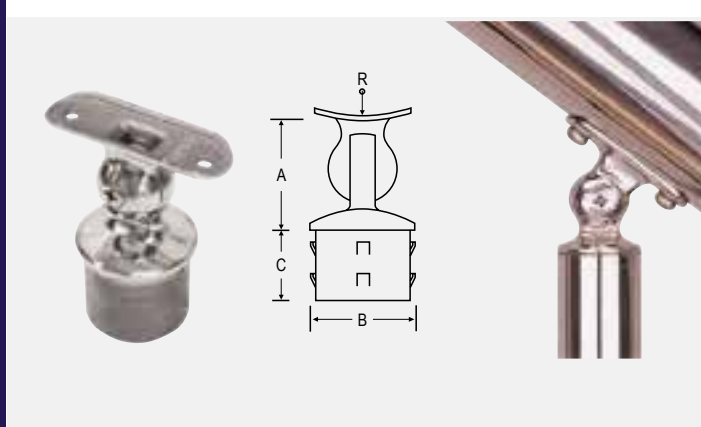


**SQUARE BASE PLATE HEAVY DUTY (WELD) AISI 304**

- 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
HR-1402S	1.5"	38.4	110	3	17	10.5	260g
HR-2002S	2"	51	110	4	19	10.5	330g

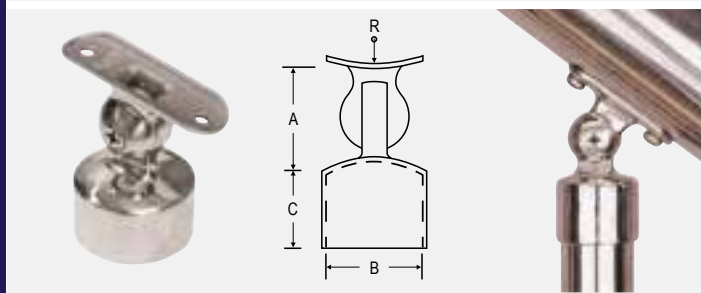




### ADJ. RAIL SUPPORT RADIUSED "INTERNAL FIT" AISI 316

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

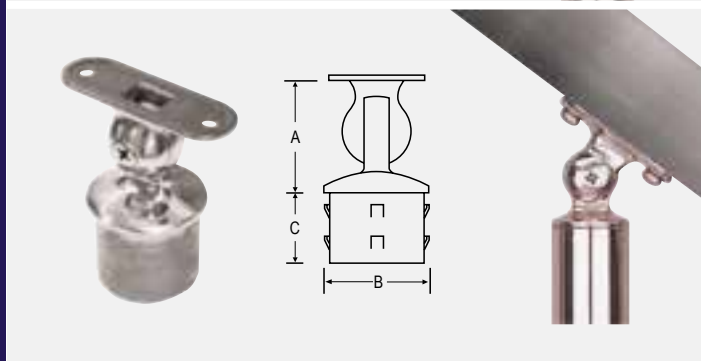
Code	Tube Ø	Wall	A	B	C	I	R	Finish	Wgt
HR-10315A-1.5	1"	1.5	32	25.4	19	4	1.5"	Mirror	67g
HR-10315A-2	1"	1.5	32	25.4	19	4	2"	Mirror	63g
HR-15315A-1.5	1.5"	1.5	41	38.1	28	5	1.5"	Mirror	178g
HR-15315A-2	1.5"	1.5	41	38.1	28	5	2"	Mirror	162g
HR-20315A	2"	1.5	51	50.8	39	5	2"	Mirror	297g
HR-PR-20315A	2"	1.5	51	50.8	38	5	2"	Mirror	314g
HR-S-20315A	2"	1.5	51	50.8	39	5	2"	Satin	297g



### 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

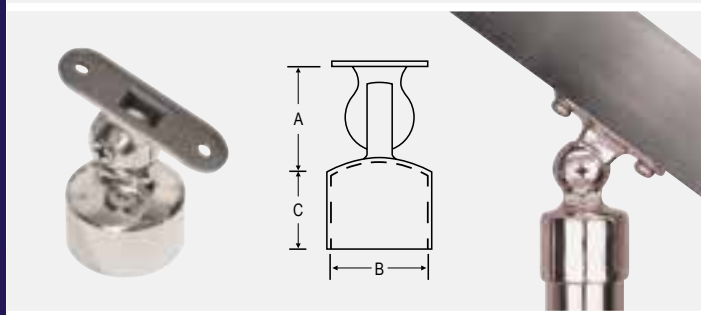
Code	Tube Ø	Wall	A	B	C	I	R	Wgt
HR-10316A-2	1"	1.5	32	25.4	21	4	2"	68g
HR-20316A	2"	1.5	51	50.8	27	5	2"	300g
HR-PR-20316A	2"	1.5	51	50.8	30	5	2"	317g



### 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

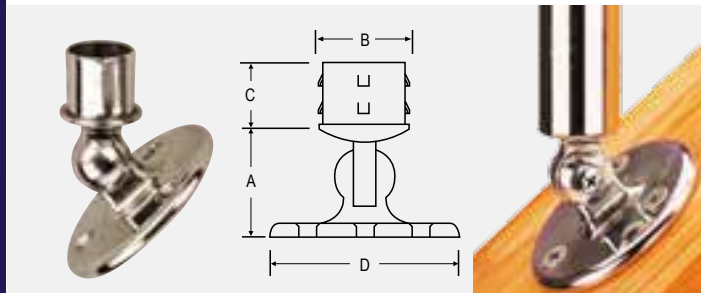
Code	Tube Ø	Wall	A	B	C	I	Finish	Wgt
HR-10315AP	1"	1.5	32	25.4	19	4	Mirror	67g
HR-15315AP	1.5"	1.5	39	38.1	28	5	Mirror	156g
HR-20315AP	2"	1.5	50	50.8	40	5	Mirror	305g
HR-PR-20315AP	2"	1.5	52	50.8	38	5	Mirror	307g
HR-S-20315AP	2"	1.5	50	50.8	40	5	Satin	305g



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

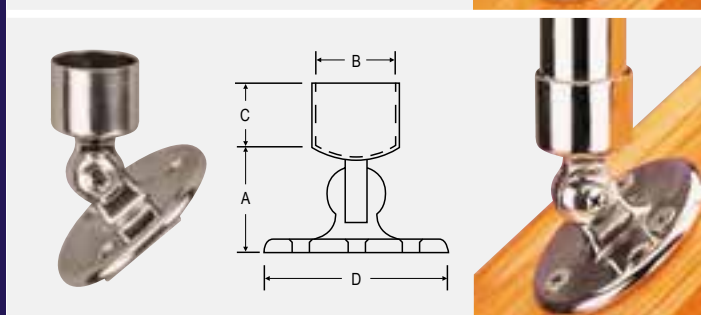
- Fully adj. handrail support for fixing stairway posts to angled flat handrails
- Internal ribs negate the need for welding or a true end cut of the tube

Code	Tube Ø	Wall	A	B	C	I	Wgt
HR-20316AP	2"	1.5	51	50.8	28	5	300g
HR-PR-20316AP	2"	1.5	51	50.8	30	5	302g



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

Code	Tube Ø	Wall	A	B	C	D	I	Wgt
HR-15315AC	1.5"	1.5	46	38.1	29	76	6	219g
HR-20315AC	2"	1.5	55	50.8	42	102	6	470g
HR-PR-20315AC	2"	1.5	55	50.8	42	102	6	490g



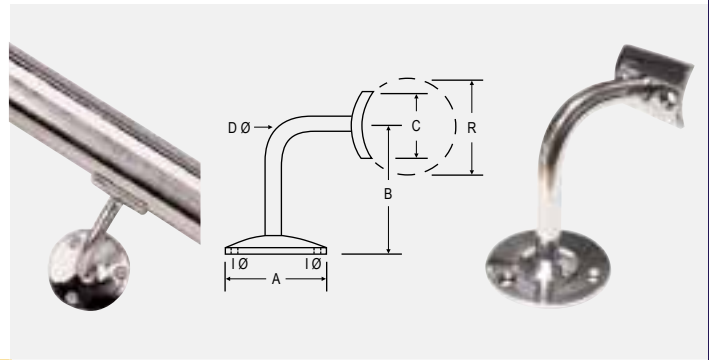
### ADJ. RAIL SUPPORT ROUND BASE "EXTERNAL FIT" AISI 316

Code	Tube Ø	Wall	A	B	C	D	I	Wgt
HR-20316AC	2"	1.5	51	50.8	28	101	6	470g
HR-PR-20316AC	2"	1.5	51	50.8	28	101	6	489g

**HANDRAIL SUPPORT "RADIUSED" AISI 316**

- 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

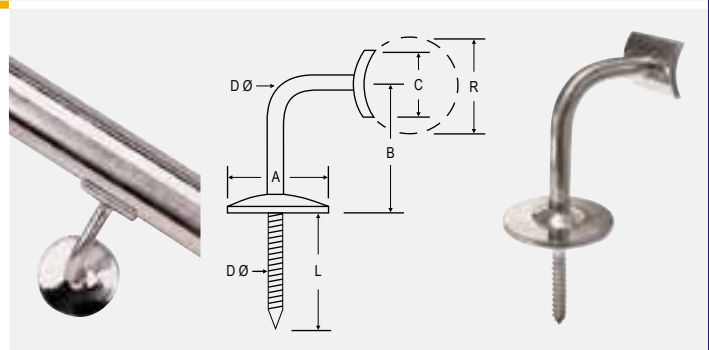
Code	A	B	C	D	I	R	Finish	Wgt
HR-1528A	63	85	31	12	5.5	1.5"	Mirror	235g
HR-2028A	63	85	31	12	5.5	2"	Mirror	235g
HR-PR-2028A	63	85	31	12	5.5	2"	Mirror	242g
HR-S-2028A	63	85	31	12	5.5	2"	Satin	235g



**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

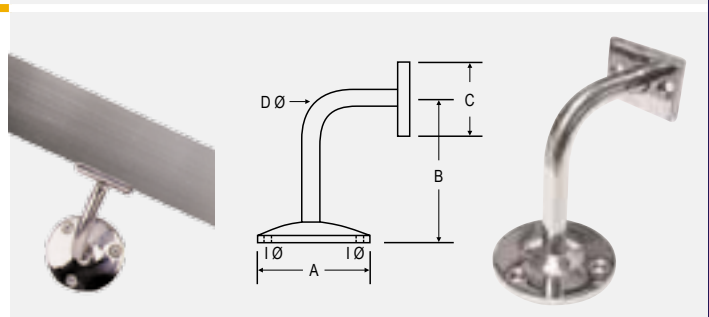
Code	A	B	C	D	I	L	R	Finish	Wgt
HR-1528A-S	63	85	31	12	5.5	57	1.5"	Mirror	235g
HR-2028A-S	63	85	31	12	5.5	60	2"	Mirror	235g
HR-PR-2028A-S	63	85	31	12	5.5	57	2"	Mirror	242g
HR-S-2028A-S	63	85	31	12	5.5	60	2"	Satin	235g



**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

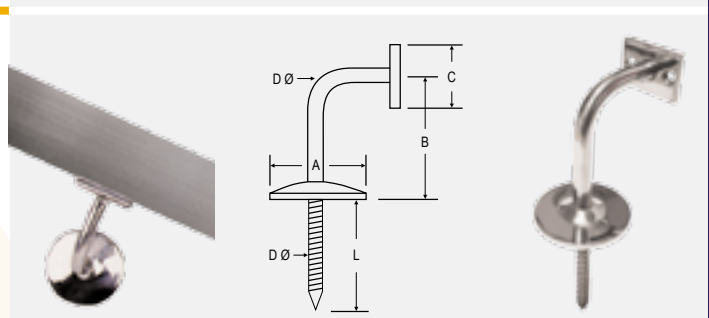
Code	A	B	C	D	I	Finish	Wgt
HR-2029A	63	85	31	12	5.5	Mirror	245g
HR-PR-2029A	63	85	31	12	5.5	Mirror	252g
HR-S-2029A	63	85	31	12	5.5	Satin	245g



**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

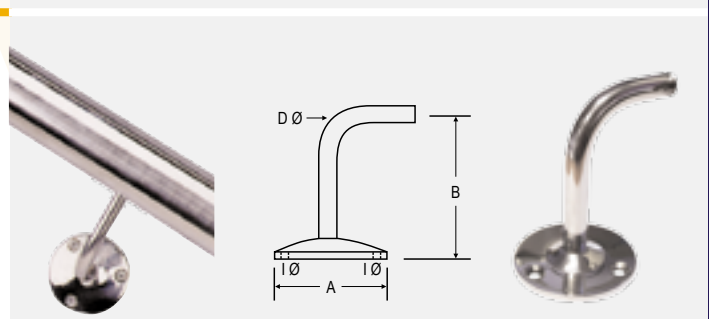
Code	A	B	C	D	I	L	Wgt
HR-2029A-S	63	85	31	12	5.5	60	255g
HR-PR-2029A-S	63	85	31	12	5.5	57	262g



**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

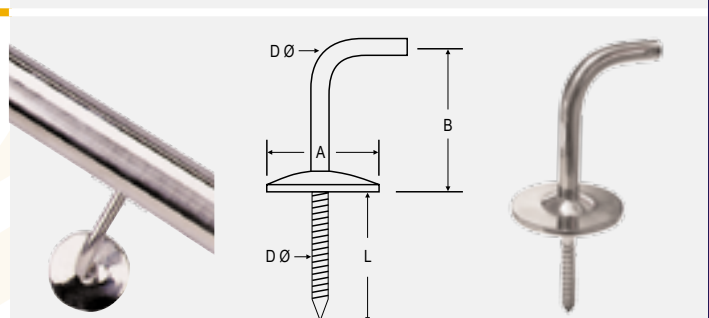
Code	A	B	D	I	Wgt
HR-2028A-B	63	85	12	5.5	204g



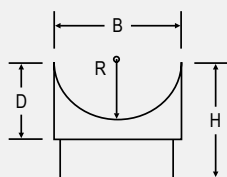
**H/RAIL SUPP. W/- COACH SCREW W/OUT TOP AISI 316**

- 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
HR-2028A-S-B	63	85	12	60	230g



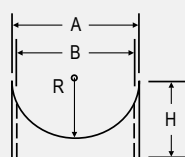
• See page 75 for glass handrail supports



### 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

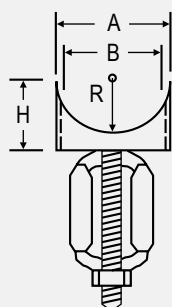
Code	Tube Ø	Wall	B	D	H	R	Finish	Wgt
HR-1027A-1	1"	1.5	25.4	13	30	1"	Mirror	33g
HR-1027A-1.5	1"	1.5	25.4	8	30	1.5"	Mirror	38g
HR-1027A-2	1"	1.5	25.4	13	30	2"	Mirror	39g
HR-1527A-1.5	1.5"	1.5	38.1	16	40	1.5"	Mirror	89g
HR-1527A-2	1.5"	1.5	38.1	21	46	2"	Mirror	93g
HR-2027A	2"	1.5	50.8	29	55	2"	Mirror	147g
HR-PR-2027A	2"	1.5	50.8	29	54	2"	Mirror	166g
HR-S-2027A	2"	1.5	50.8	29	55	2"	Satin	147g



### 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

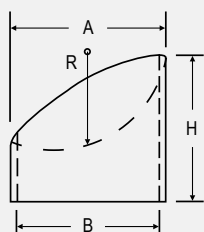
Code	Tube Ø	A	B	H	R	Wgt
HR-10313A-2	1"	28.5	25.8	17	2"	22g
HR-15313A-1.5	1.5"	43	39	30	1.5"	52g
HR-15313A-2	1.5"	43	39	25	2"	45g
HR-20313A	2"	56	51.5	38	2"	96g
HR-PR-20313A	2"	56	51.5	40	2"	107g



### 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

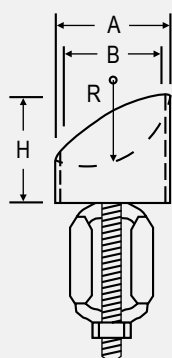
Code	Tube Ø	A	B	H	R	Wgt
HR-10313AL-2	1"	28.5	25.8	17	2"	41g
HR-15313AL-2	1.5"	43	39	25	2"	96g
HR-20313AL	2"	56	51.5	38	2"	188g



### 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
HR-10314A-2	1"	28.5	25.8	32	2"	34g
HR-20314A	2"	56	51.5	62	2"	183g



### 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

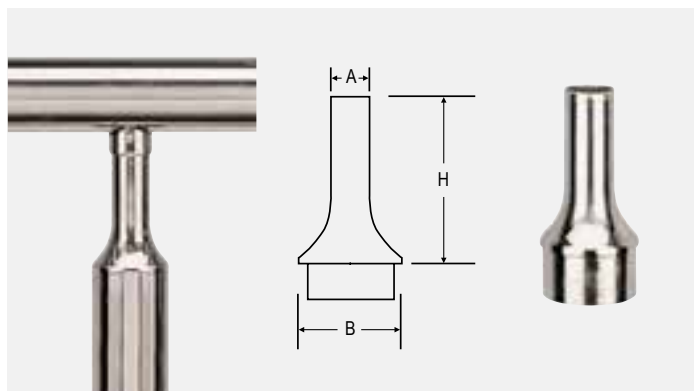
Code	Tube Ø	A	B	H	R	Wgt
HR-10314AL-2	1"	28.5	25.8	32	2"	120g
HR-15314AL-2	1.5"	42	38.8	44	2"	180g
HR-20314AL	2"	56	51.5	62	2"	200g



**POST REDUCER "TAPERED" AISI 316**

- Flush fitting slimline post top reducer for a decorative look
- Use with HR-10314AL-2 or HR-1027A-2 to join to horizontal h/rail or HR-10314AL-2 to a stairway h/rail
- If using a timber top rail use a HR-1014A

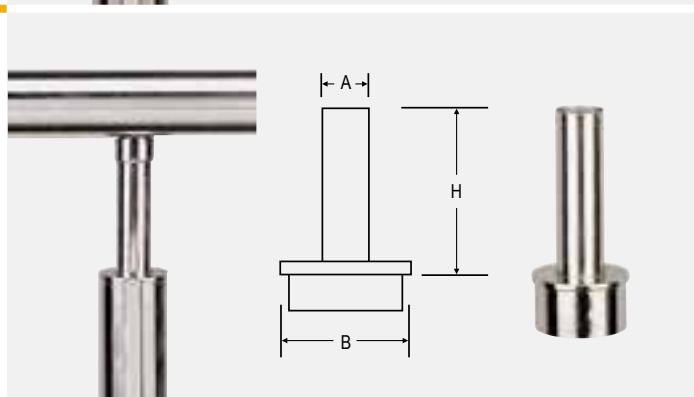
Code	Tube Ø	Wall	A	B	H	Wgt
HR-1520A	1.5"	1.5	19	38.1	68	111g
HR-2020A	2"	1.5	25.4	50.8	85	145g



**POST REDUCER "FLAT" AISI 316**

- Flush fitting slimline post top reducer for a decorative look
- Use with HR-10314AL-2 or HR-1027A-2 to join to horizontal h/rail or HR-10314AL-2 to a stairway h/rail
- If using a timber top rail use a HR-1014A

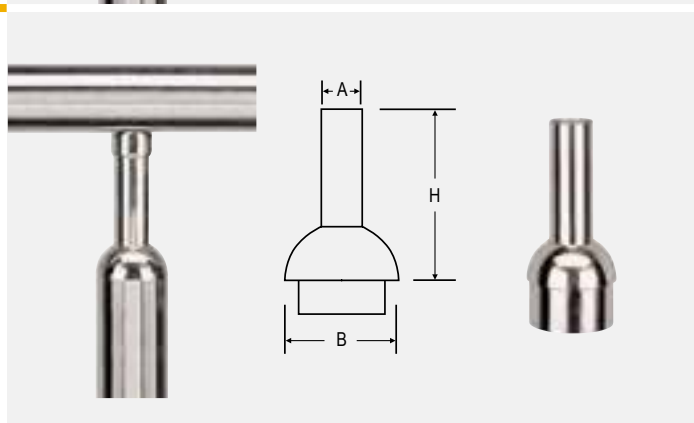
Code	Tube Ø	Wall	A	B	H	Wgt
HR-1522A	1.5"	1.5	19	38.1	89	72g
HR-2022A	2"	1.5	25.4	50.8	93	193g



**POST REDUCER "DOME" AISI 316**

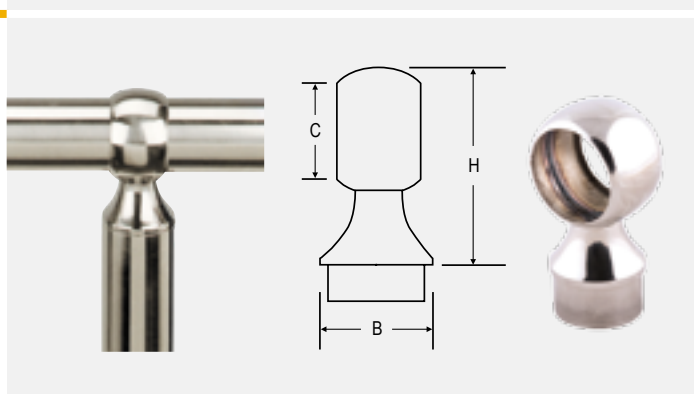
- Flush fitting slimline post top reducer for a decorative look
- Use with HR-10314AL-2 or HR-1027A-2 to join to horizontal h/rail or HR-10314AL-2 to a stairway h/rail
- If using a timber top rail use a HR-1014A

Code	Tube Ø	Wall	A	B	H	Wgt
HR-1512A	1.5"	1.5	19	38.1	90	106g
HR-2012A	2"	1.5	25.4	50.8	92	172g



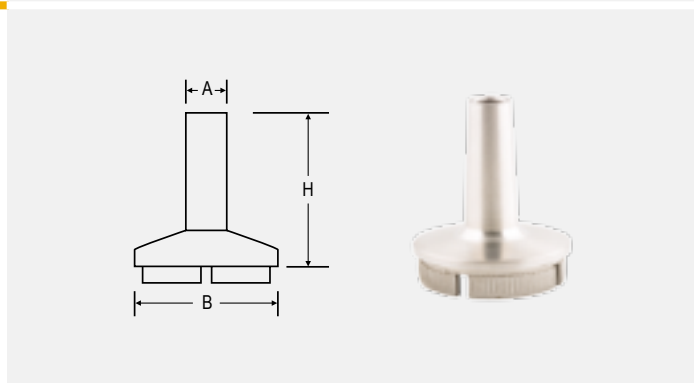
**PERPENDICULAR JOINER THROUGH RING AISI316**

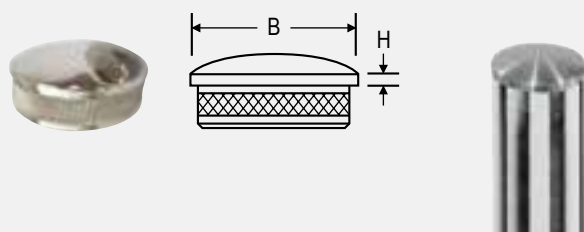
Code	Tube Ø	Wall	B	C	H	Wgt
HR-2013A	2"	1.5	50.8	50.8	93	173g



**POST REDUCER TAPERED AISI316**

Code	Tube Ø	Wall	A	B	H	Finish	Wgt
HR-2032A	2"	1.5	14	50.8	50	Mirror	127g
HR-S-1533A	1.5"	1.5	10.5	25.4	41	Satin	60g
HR-S-2033A	2"	1.5	14	50.8	50	Satin	127g

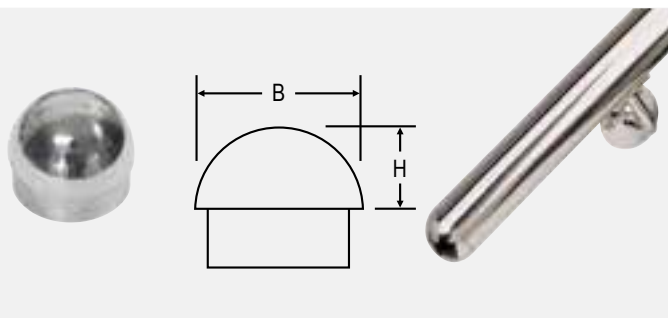




### END CAP "SELF GRIP" AISI 316

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

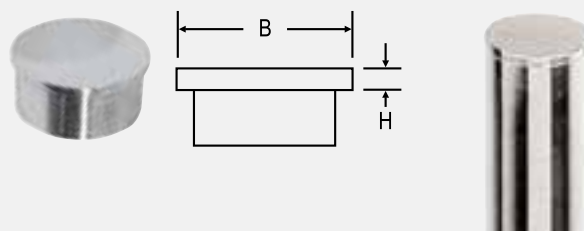
Code	Tube Ø	Wall	B	H	Finish	Wgt
HR-1517A	1.5"	1.5	38.1	2.5	Mirror	60g
HR-2017A	2"	1.5	50.8	2.5	Mirror	73g
HR-PR-2017A	2"	1.5	50.8	2.5	Mirror	88g
HR-S-2017A	2"	1.5	50.8	2.5	Satin	73g



### END CAP "DOME" AISI 316

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

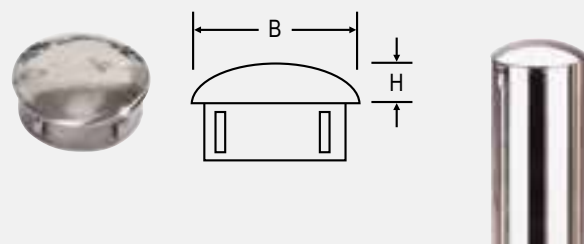
Code	Tube Ø	Wall	B	H	Wgt
HR-1018A	1"	1.5	25.4	13	24g
HR-1518A	1.5"	1.5	38.1	18	85g
HR-2018A	2"	1.5	50.8	26	146g
HR-PR-2018A	2"	1.5	50.8	26	163g



### END CAP "FLAT" AISI 316

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

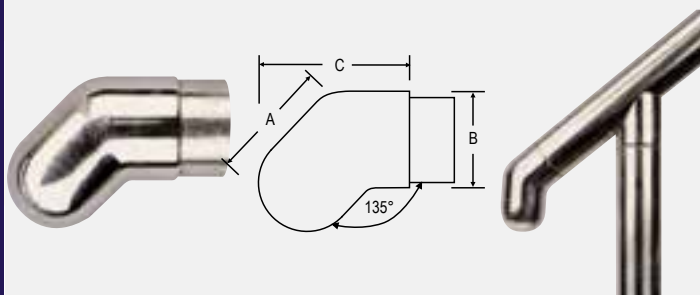
Code	Tube Ø	Wall	B	H	Finish	Wgt
HR-1019A	1"	1.5	25.4	2.3	Mirror	24g
HR-1519A	1.5"	1.5	38.1	3.8	Mirror	70g
HR-2019A	2"	1.5	50.8	4	Mirror	94g
HR-PR-2019A	2"	1.5	50.8	4.5	Mirror	126g
HR-S-2019A	2"	1.5	50.8	4	Satin	94g



### 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

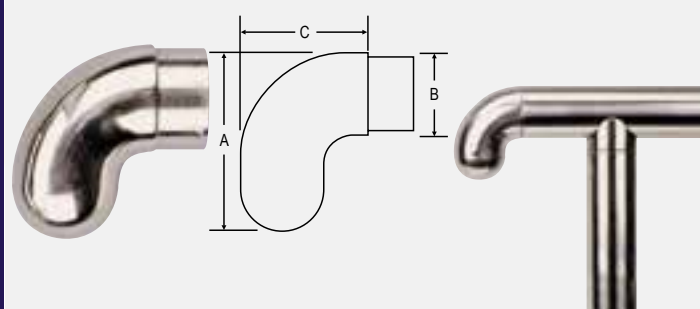
Code	Tube Ø	Wall	B	H	Wgt
HR-1030A	1"	1.5	25.4	4	7g
HR-1530A	1.5"	1.5	38.1	5	15g
HR-2030A	2"	1.5	50.8	9	20g
HR-PR-2030A	2"	1.5	50.8	9	24g



### HANDRAIL END "45°" AISI 316

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

Code	Tube Ø	Wall	A	B	C	Wgt
HR-1525A	1.5"	1.5	45	38.1	80	264g
HR-2025A	2"	1.5	68	50.8	75	318g
HR-PR-2025A	2"	1.5	71	50.8	81	393g



### HANDRAIL END "90°" AISI 316

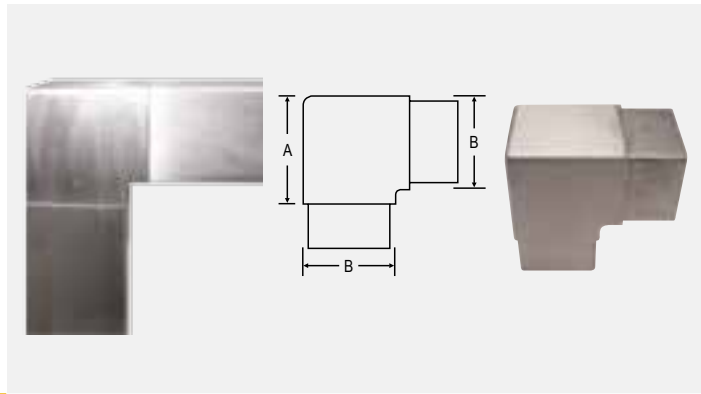
- A 90° cast handrail end mainly used for stairway handrail terminations

Code	Tube Ø	Wall	A	B	C	Wgt
HR-2026A	2"	1.5	90	50.8	66	361g
HR-PR-2026A	2"	1.5	89	50.8	68	384g

**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

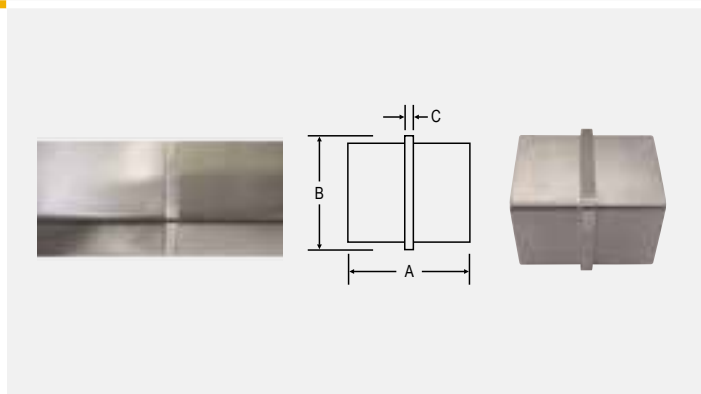
Code	Tube Ø	Wall	A	B	Finish	Wgt
HR-SM-2002	2"	1.5	63	50.8	Mirror	655g
HR-SS-2002	2"	1.5	63	50.8	Satin	655g



**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

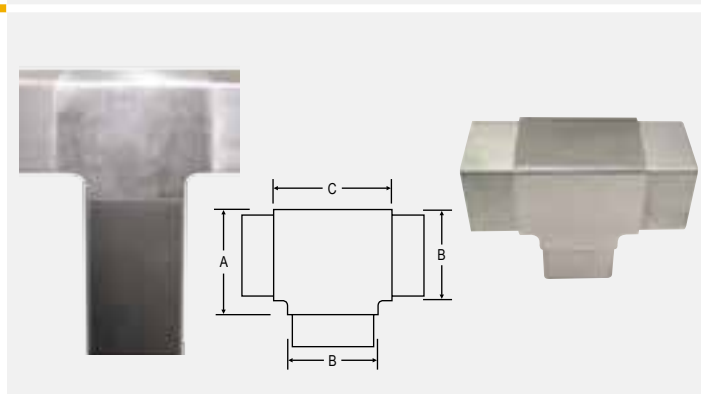
Code	Tube Ø	Wall	A	B	C	Finish	Wgt
HR-SM-2004	2"	1.5	66	50.8	6.0	Mirror	254g
HR-SS-2004	2"	1.5	66	50.8	6.0	Satin	254g



**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

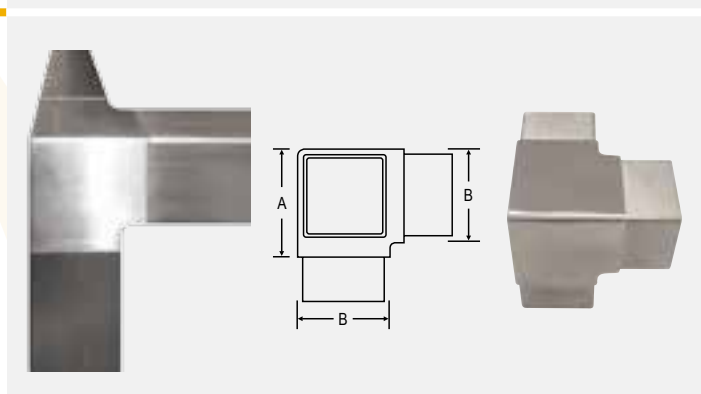
Code	Tube Ø	Wall	A	B	C	Finish	Wgt
HR-SM-2005	2"	1.5	63	50.8	75	Mirror	785g
HR-SS-2005	2"	1.5	63	50.8	75	Satin	785g



**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

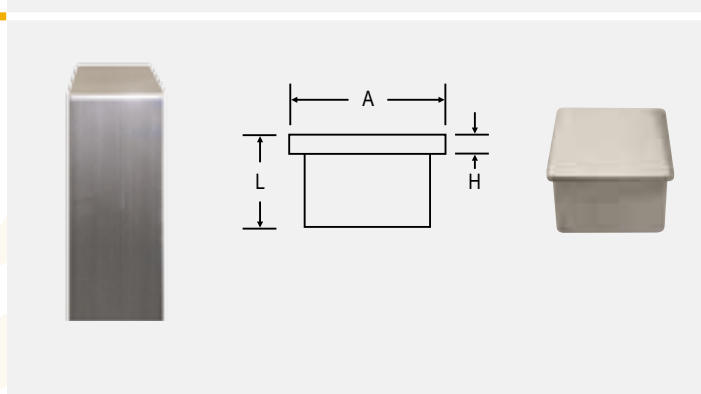
Code	Tube Ø	Wall	A	B	Finish	Wgt
HR-SM-2006	2"	1.5	63	50.8	Mirror	752g
HR-SS-2006	2"	1.5	63	50.8	Satin	752g

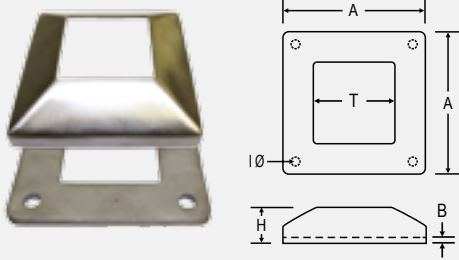


**END CAP "FLAT" AISI 316**

- 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	Tube Ø	Wall	A	H	L	Finish	Wgt
HR-SM-2019	2"	1.5	50.8	3.0	33	Mirror	156g
HR-SS-2019	2"	1.5	50.8	3.0	33	Satin	156g

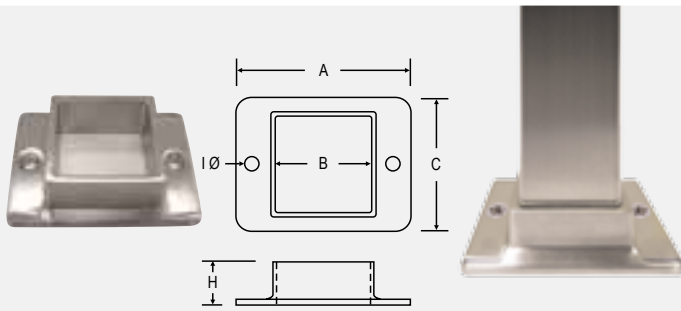




### SQUARE BASE PLATE W/ COVER (WELD) AISI 316

- 4 Hole base plate - mill finish
- This item must be welded
- Available with mirror or satin cover plate

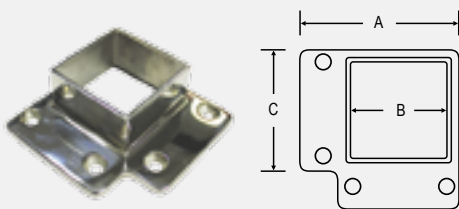
Code	Tube Ø	A	B	H	I	T	Finish	Wgt
HR-SM-2001A	2"	103	5.5	25	8	51.3	Mirror	442g
HR-SS-2001A	2"	103	5.5	25	8	51.3	Satin	442g



### 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

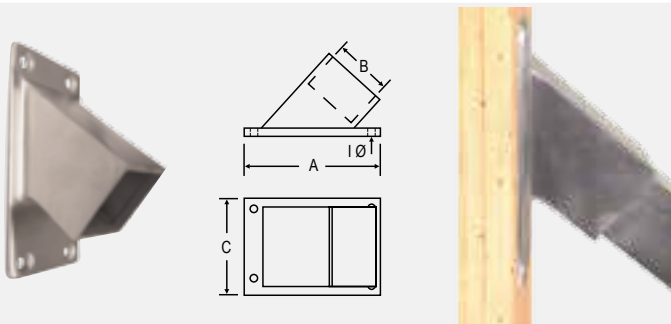
Code	Tube Ø	Wall	A	B	C	H	I	Finish	Wgt
HR-SM-2014	2"	1.5	116	50.8	80	30	8.0	Mirror	445g
HR-SS-2014	2"	1.5	116	50.8	80	30	8.0	Satin	445g



### CORNER BASE PLATE / FLANGE AISI316

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

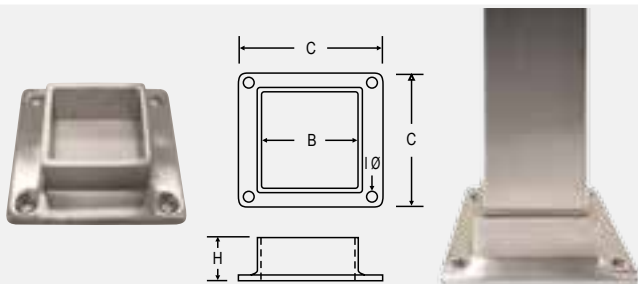
Code	Tube Ø	A	B	C	Finish	Wgt
HR-SM-2014L	2"	97	51.3	73	Mirror	306g
HR-SS-2014L	2"	97	51.3	73	Satin	306g



### 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

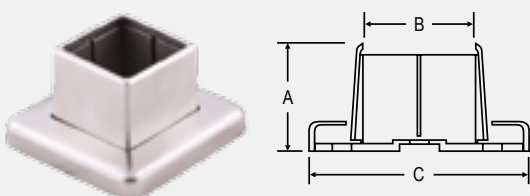
Code	Tube Ø	Wall	A	B	C	I	Finish	Wgt
HR-SM-2015	2"	1.5	155	51.5	80	8.0	Mirror	690g
HR-SS-2015	2"	1.5	155	51.5	80	8.0	Satin	690g



### 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	Tube Ø	Wall	A	B	C	H	I	Finish	Wgt
HR-SM-2016	2"	1.5	100	50.8	100	30	8.0	Mirror	498g
HR-SS-2016	2"	1.5	100	50.8	100	30	8.0	Satin	498g



### SQUARE ADJUSTABLE HEAVY DUTY BASE PLATE

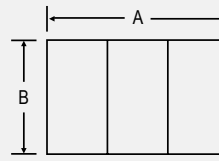
- Height adjustable concealed fixing heavy duty base plate
- Self holding fins that grip onto the outside of the tube

Code	Tube Ø	A	B	C	Finish	Wgt
HR-SM-2099	2"	58	51	105	Mirror	763g
HR-SS-2099	2"	58	51	105	Satin	763g

**PERPENDICULAR JOINER "FLUSH FITTING" AISI316**

- Use with small flange blind rivet nut or pop rivet to fit to underneath of top rail
- Mill finish for use with either polish tube as this fitting is completely concealed.

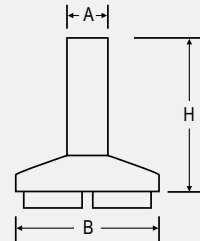
Code	Tube Ø	Wall	A	B	Wgt
HR-SS-2027	2"	1.5	47.4	31	129g



**SQUARE RAIL CONVERTOR WELD ON AISI 316**

- Flush fit into upright post, weld on top

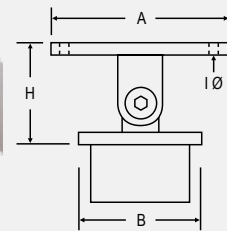
Code	Tube Ø	Wall	A	B	H	Finish	Wgt
HR-SM-2033	2"	1.5	13.5	50.8	52	Mirror	116g
HR-SS-2033	2"	1.5	13.5	50.8	52	Satin	116g



**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

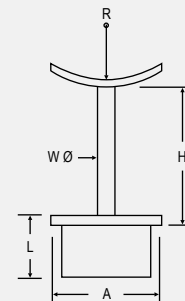
Code	Tube Ø	Wall	A	B	H	I	Finish	Wgt
HR-SM-315AP	2"	1.5	66	50.8	50	6.0	Mirror	375g
HR-SS-315AP	2"	1.5	66	50.8	50	6.0	Satin	375g



**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

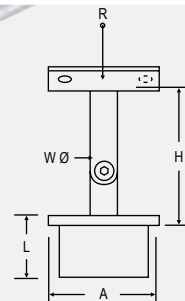
Code	Tube Ø	Wall	A	H	L	R	W	Finish	Wgt
HR-SM-2020	2"	1.5	50.8	66	33	2"	12	Mirror	254g
HR-SS-2020	2"	1.5	50.8	66	33	2"	12	Satin	254g



**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

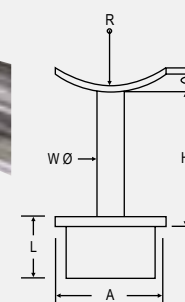
Code	Tube Ø	Wall	A	H	L	R	W	Finish	Wgt
HR-SM-2021	2"	1.5	50.8	66	33	2"	16	Mirror	293g
HR-SS-2021	2"	1.5	50.8	66	33	2"	16	Satin	293g

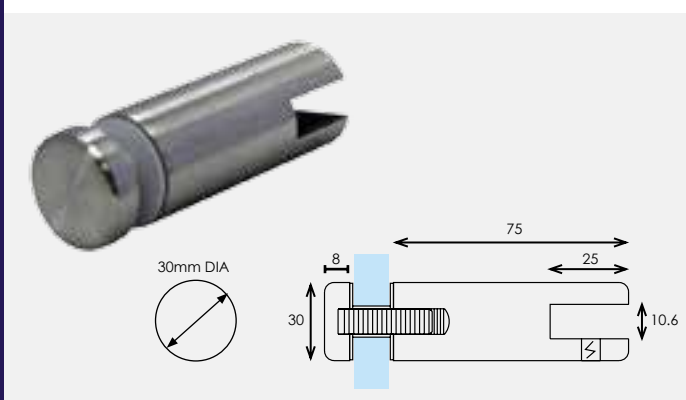


**POST REDUCER SQUARE - ROUND "90° CORNER" AISI 316**

- **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	Tube Ø	Wall	A	H	L	R	W	Finish	Wgt
HR-SM-2022	2"	1.5	50.8	66	33	2"	12	Mirror	309g
HR-SS-2022	2"	1.5	50.8	66	33	2"	12	Satin	309g

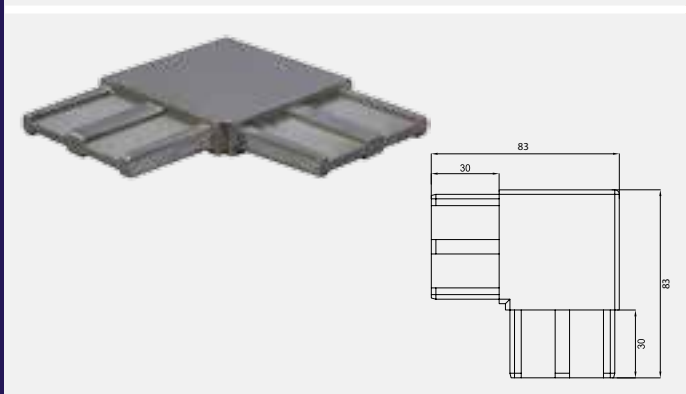




### 50 X 10MM RAIL CONNECTOR - 316 GRADE

- 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.

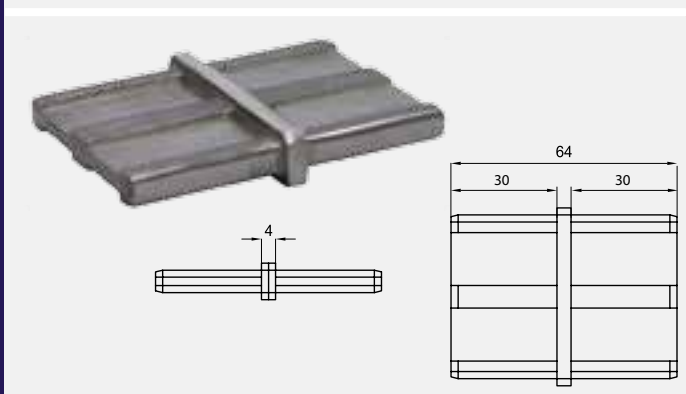
Code	Description	Finish
HR-5010-P-RC	50 x 10mm Rail Connector	Polish
HR-5010-S-RC	50 x 10mm Rail Connector	Satin



### 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
HR-5010-P-90J	50 x 10mm 90deg Joiner	Polish
HR-5010-S-90J	50 x 10mm 90deg Joiner	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

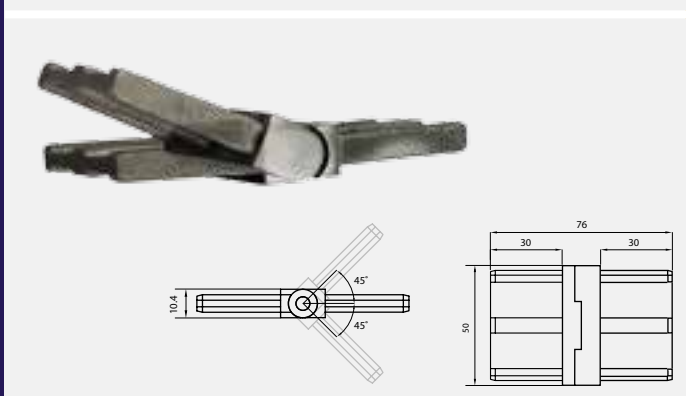
Code	Description	Finish
HR-5010-P-IJ	50 x 10mm Inline Joiner	Polish
HR-5010-S-IJ	50 x 10mm Inline Joiner	Satin



### 50 X 10MM HORIZONTAL SWIVEL JOINER

- Variable angle horizontal joiner - easy to use tap in fitting
- Adjustable from 90 - 270 degrees
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill / tap tube for joining strength

Code	Description	Finish
HR-5010-P-AHJ	50 x 10mm Adjustable Horizontal Joiner	Polish
HR-5010-S-AHJ	50 x 10mm Adjustable Horizontal 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

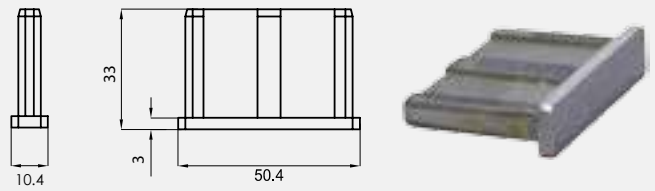
Code	Description	Finish
HR-5010-P-AVJ	50 x 10mm Adjustable Vertical Joiner	Polish
HR-5010-S-AVJ	50 x 10mm Adjustable Vertical Joiner	Satin

## 50 X 10 RECTANGLE FITTINGS

### 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

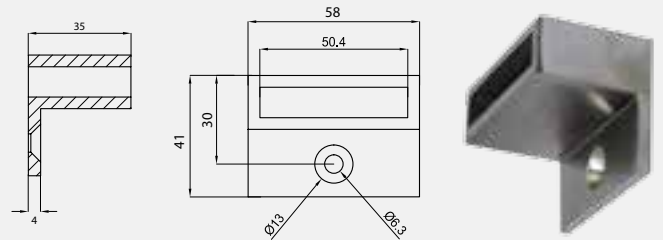
Code	Description	Finish
HR-5010-P-EC	50 x 10mm End Cap	Polish
HR-5010-S-EC	50 x 10mm End Cap	Satin



### 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
HR-5010-P-WP	50 x 10mm Wall Plate	Polish
HR-5010-S-WP	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
HR-5010-P-BP	50 x 10mm Base Plate	Polish
HR-5010-S-BP	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
HR-5010-P-IPR	50 x 10mm Perpendicular Joiner - 2" Radius Top	Polish
HR-5010-S-IPR	50 x 10mm Perpendicular Joiner - 2" Radius Top	Satin

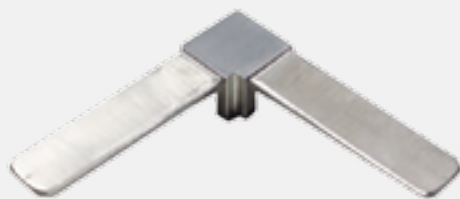


### 50 X 10MM PERPENDICULAR JOINER - FLAT TOP - 316 GRADE

- 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
HR-5010-IPF	50 x 10mm Perpendicular Joiner - Flat Top	N/A





### 25 X 21MM "U" CHANNEL 90 DEGREE JOINER

- 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
HR-2521-P-90J	25 x 21mm 90deg Joiner	Polish
HR-2521-S-90J	25 x 21mm 90deg Joiner	Satin



### 25 X 21MM "U" CHANNEL INLINE JOINER

- 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
HR-2521-P-IJ	25 x 21mm In-line Joiner	Polish
HR-2521-S-IJ	25 x 21mm In-line Joiner	Satin



### 25 X 21MM "U" CHANNEL HORIZONTAL SWIVEL JOINER

- Variable angle horizontal joiner - easy to use tap in fitting
- From straight rail achieve up to 45 degrees left or right angled joining
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill / tap tube for joining strength

Code	Description	Finish
HR-2521-P-AHJ	25 x 21mm Adjustable Horizontal Joiner	Polish
HR-2521-S-AHJ	25 x 21mm Adjustable Horizontal Joiner	Satin



### 25 X 21MM "U" CHANNEL VERTICAL SWIVEL JOINER

- Variable angle vertical joiner - easy to use tap in fitting
- From straight rail achieve up to 45 degrees upwards or downwards
- Stainless Steel 316gr - High Polish or Satin finish
- Epoxy glue, weld or drill / tap tube for joining strength

Code	Description	Finish
HR-2521-P-AVJ	25 x 21mm Adjustable Vertical Joiner	Polish
HR-2521-S-AVJ	25 x 21mm Adjustable Vertical Joiner	Satin



**25 X 21MM "U" CHANNEL WALL PLATE**

- Bracket can be fixed onto wall or post
- 25 x 21mm 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
HR-2521-P-WP	25 x 21mm Wall Plate	Polish
HR-2521-S-WP	25 x 21mm Wall Plate	Satin



**25 X 21MM "U" CHANNEL SLOTTED END CAP**

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

Code	Description	Finish
HR-2521-P-SEC	25 x 21mm Slotted End Cap	Polish
HR-2521-S-SEC	25 x 21mm Slotted End Cap	Satin



**25 X 21MM "U" CHANNEL END CAP**

- 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

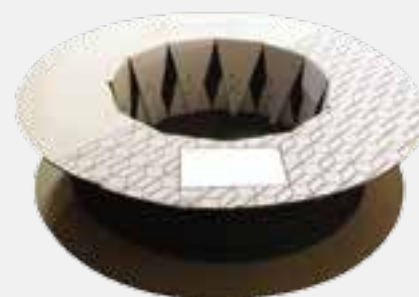
Code	Description	Finish
HR-2521-P-EC	25 x 21mm End Cap	Polish
HR-2521-S-EC	25 x 21mm End Cap	Satin



**25 X 21MM "U" CHANNEL GLAZING RUBBER**

- Assists in the installation of "U" Channel to 12mm Glass - Use in conjunction with silicone
- Thin profile rubber - provides for a tight fit
- Provides barrier between glass edge and stainless steel rail

Code	Description
HR-2521-R-30	25 x 21mm Glazing Rubber - 12mm Glass

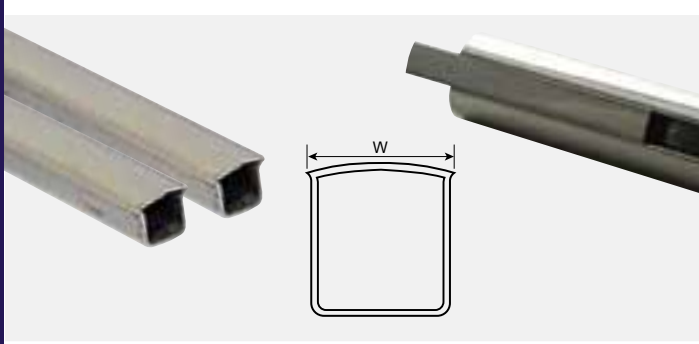


**BOSTIK V60 GLAZING SILICONE**

- Architectural grade high performance glazing silicone
- Neutral cure sealant specially formulated; skins quickly & provides long term performance
- Seals water tight - UV and weather resistant

Code	Size
BV60	300 gram tube

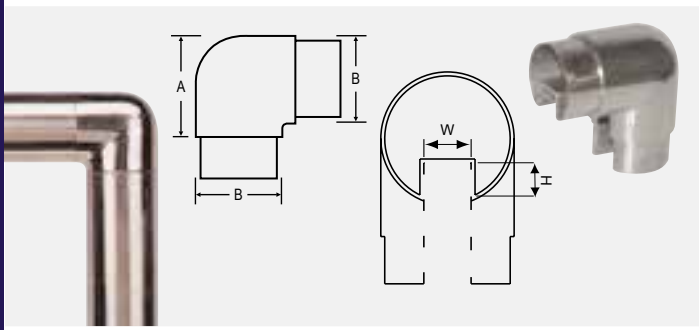




### ROUND SLOTTED TUBE BLANKING STRIP AISI 316

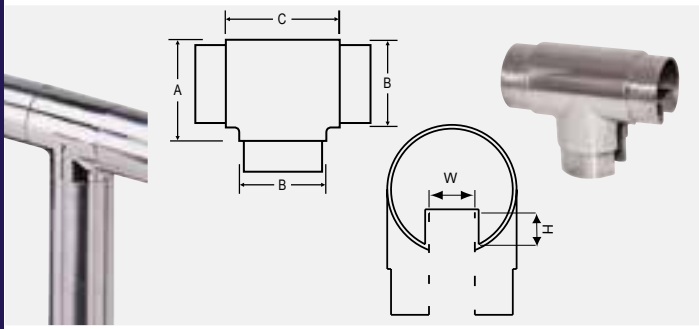
- Cut to size and fill in any gaps to complete handrails

Code	Tube Ø	Suit Slot	Wall	Polish	Lgth	W	Wgt
RT-P-BS-2M	2"	15	1.5	600g	2mtr	15	1.5kg



### FLUSH JOINER "90°" AISI 316

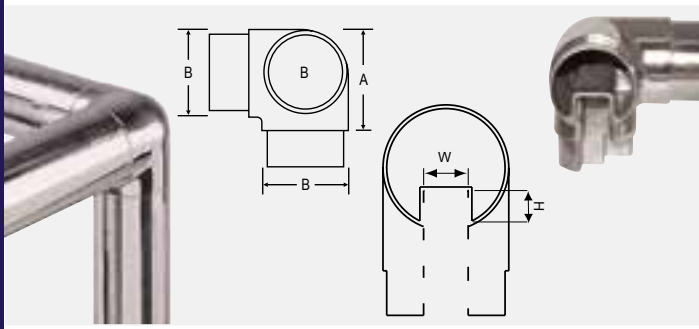
Code	Tube Ø	Wall	A	B	H	W	Wgt
HR-RSST-2002	2"single slot	1.5	63	50.8	15	18	505g



### FLUSH JOINER "TEE" AISI 316

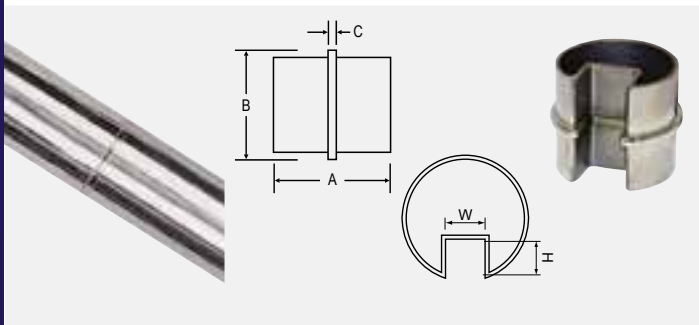
- Bottom section suits double slotted tube
- Top section suits single slotted tube

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



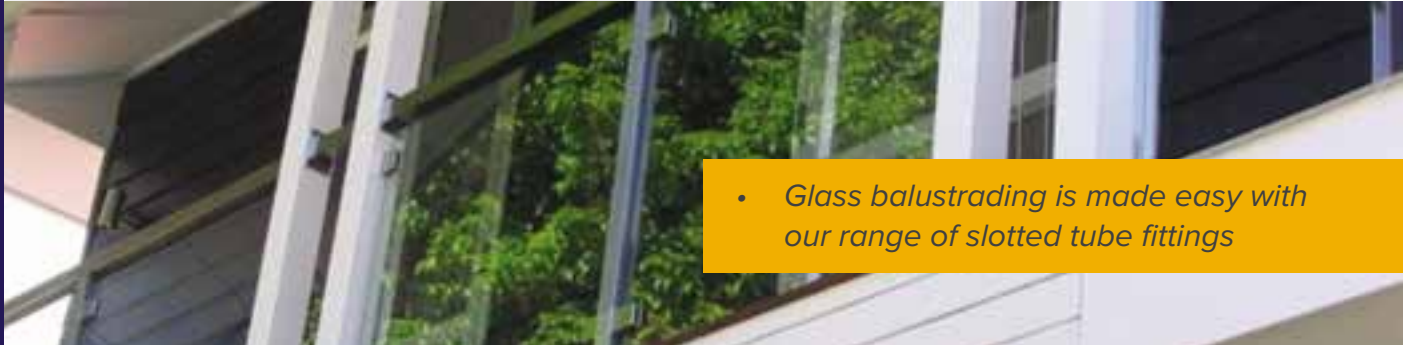
### FLUSH JOINER "90° TEE" AISI 316

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



### FLUSH JOINER "IN LINE" AISI 316

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



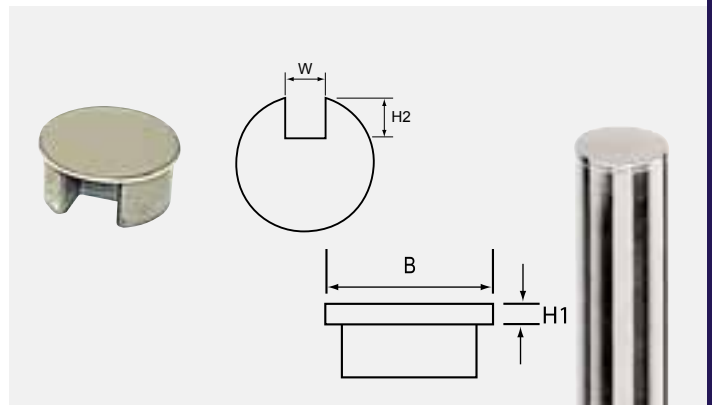
- Glass balustrading is made easy with our range of slotted tube fittings

## SLOTTED FITTINGS

### END CAP "FLAT" AISI 316

• Use for handrail ends or freestanding post tops

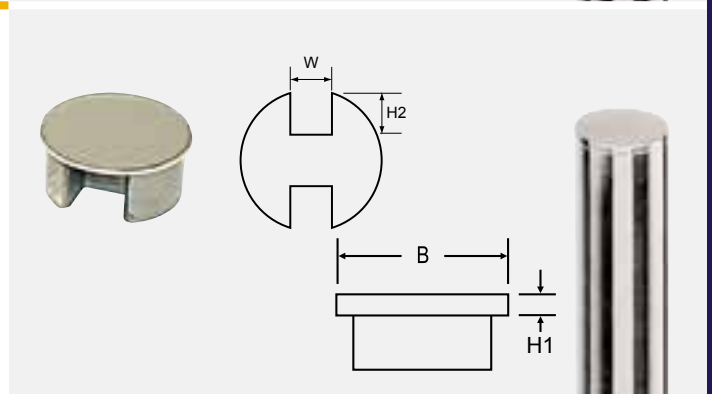
Code	Tube Ø	Wall	B	H1	H2	W	Wgt
HR-RSST-2019	2" single slot	1.5	50.8	3.0	15	18	95g



### END CAP "FLAT" AISI 316

• Use for handrail ends or freestanding post tops

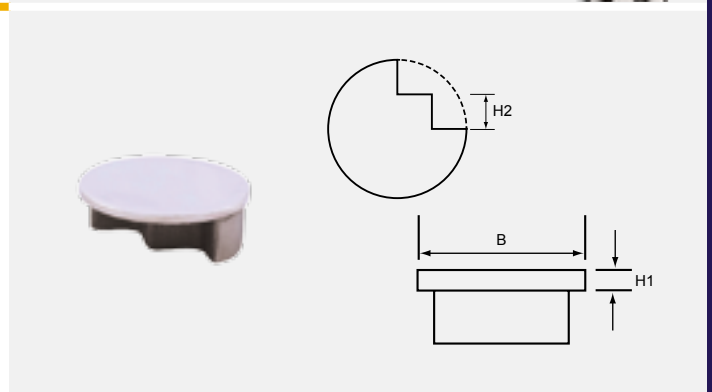
Code	Tube Ø	Wall	B	H1	H2	W	Wgt
HR-RDST-2019	2" dbl slot	1.5	50.8	3.0	15	18	113g



### END CAP "FLAT" - CORNER - AISI316

• Use for freestanding corner post tops

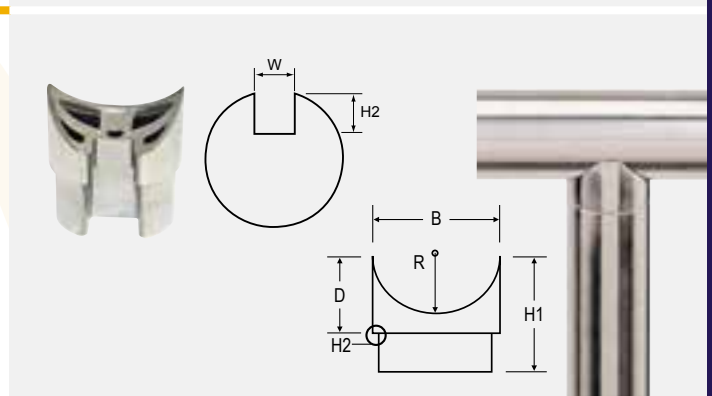
Code	Tube	Wall	B	H1	H2	Wgt
HR-RCST-2019	2" 90deg slot	1.5	50.8	3	15	89g



### 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

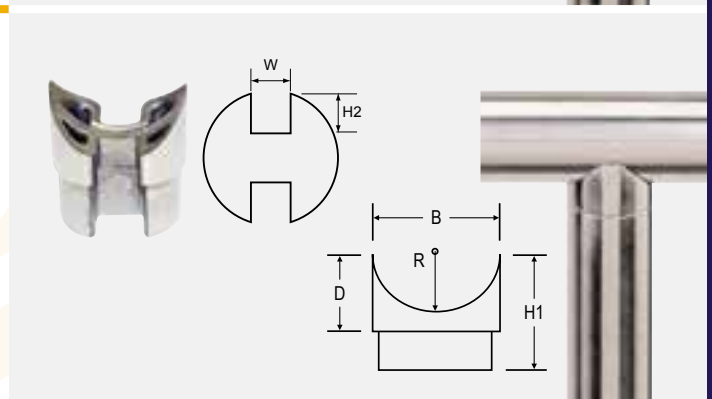
Code	Tube Ø	Wall	B	D	H1	H2	W	R	Wgt
HR-RSST-2027	2" single slot	1.5	50.8	31	54	15	18	2"	151g

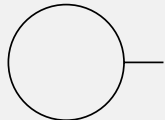


### PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

• 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
HR-RDST-2027	2" dbl slot	1.5	50.8	30	53	15	2"	18	195g





End Post



## 2" ROUND END POST WITH SADDLES

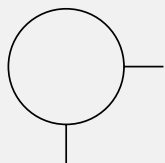
- 2" Round mirror End post with a 3 hole welded Round base plate (HR-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 11 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

### Top

BP-RES-6-2016A	HR-2016A
BP-RES-6-2014A	HR-2014A
BP-RES-6-20315AP	HR-20315AP
BP-RES-6-20315A	HR-20315A
BP-RES-6-2027A	HR-2027A
BP-RES-6-2002E	HR-2002E
BP-RES-6-2020A	HR-2020A
BP-RES-6-2019A	HR-2019A
BP-RES-6-2001E	HR-2001E
BP-RES-6-2022A	HR-2022A
BP-RES-6-2006E	HR-2006E
BP-RES-6-2005E	HR-2005E

Blank custom post refer to page 63



Corner Post



## 2" ROUND CORNER POST WITH SADDLES

- 2" Round mirror Corner post with a 3 hole welded Round base plate (HR-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 22 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

### Top

BP-RCS-6-2016A	HR-2016A
BP-RCS-6-2014A	HR-2014A
BP-RCS-6-2014L	HR-2014L
BP-RCS-6-2006E	HR-2006E
BP-RCS-6-2019A	HR-2019A
BP-RCS-6-2027A	HR-2027A
BP-RCS-6-20315A	HR-20315A
BP-RCS-6-20315AP	HR-20315AP

Blank custom post refer to page 63

## BASE PLATES AND TOP FIXINGS



HR-2016A



HR-2014A



HR-20315AP



HR-20315A



HR-2027A



HR-2002E

## ROUND WIRE BALUSTRADE POSTS WITH SADDLES

### 2" ROUND END POST WITH SADDLES

- 2" Round mirror End post with a 3 hole welded Round base plate with cover (HR-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 11 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
------	-----

BP-RES-1-2016A	HR-2016A
BP-RES-1-2014A	HR-2014A
BP-RES-1-20315AP	HR-20315AP
BP-RES-1-20315A	HR-20315A
BP-RES-1-2027A	HR-2027A
BP-RES-1-2002E	HR-2002E
BP-RES-1-2020A	HR-2020A
BP-RES-1-2019A	HR-2019A
BP-RES-1-2001E	HR-2001E
BP-RES-1-2022A	HR-2022A
BP-RES-1-2006E	HR-2006E
BP-RES-1-2005E	HR-2005E

Blank custom post refer to page 63

### 2" ROUND CORNER POST WITH SADDLES

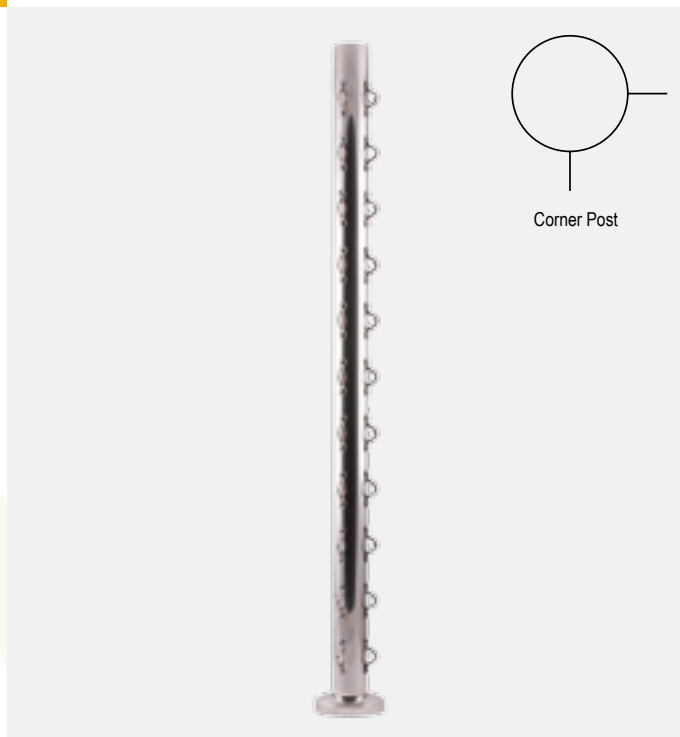
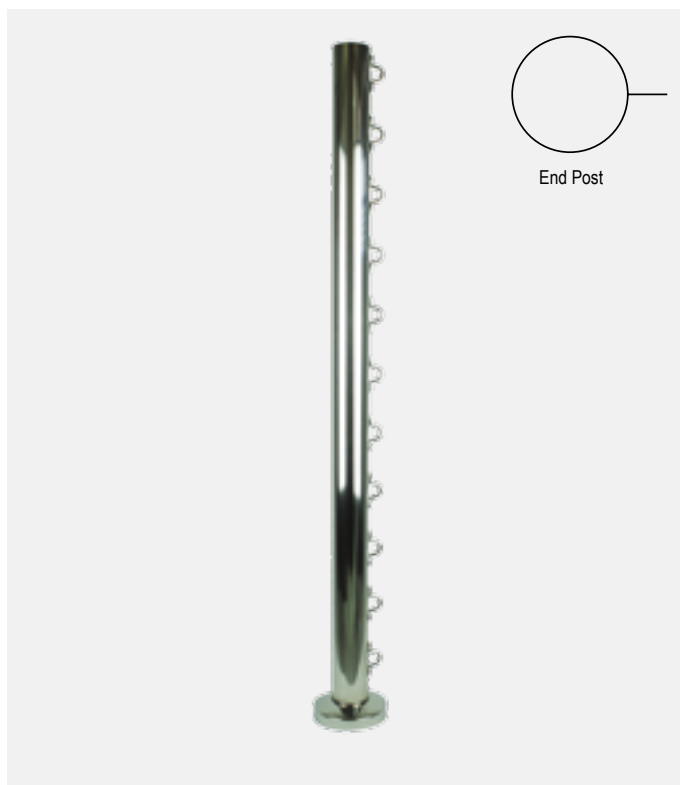
- 2" Round mirror Corner post with a 3 hole welded Round base plate with cover (HR-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 22 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

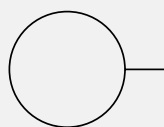
Code	Top
------	-----

BP-RCS-1-2016A	HR-2016A
BP-RCS-1-2014A	HR-2014A
BP-RCS-1-2014L	HR-2014L
BP-RCS-1-2006E	HR-2006E
BP-RCS-1-2019A	HR-2019A
BP-RCS-1-2027A	HR-2027A
BP-RCS-1-20315A	HR-20315A
BP-RCS-1-20315AP	HR-20315AP

Blank custom post refer to page 63

### BASE PLATES AND TOP FIXINGS





End Post

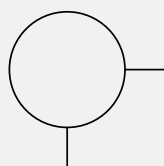


## 2" ROUND END POST WITH NUTSERTS

- 2" Round mirror End post with a 3 hole welded Round base plate (HR-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 11 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
BP-REN-6-2016A	HR-2016A
BP-REN-6-2014A	HR-2014A
BP-REN-6-20315AP	HR-20315AP
BP-REN-6-20315A	HR-20315A
BP-REN-6-2027A	HR-2027A
BP-REN-6-2002E	HR-2002E
BP-REN-6-2020A	HR-2020A
BP-REN-6-2019A	HR-2019A
BP-REN-6-2001E	HR-2001E
BP-REN-6-2022A	HR-2022A
BP-REN-6-2006E	HR-2006E
BP-REN-6-2005E	HR-2005E

Blank custom post refer to page 63



Corner Post



## 2" ROUND CORNER POST WITH NUTSERTS

- 2" Round mirror End post with a 3 hole welded Round base plate (HR-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 22 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
BP-RCN-6-2016A	HR-2016A
BP-RCN-6-2014A	HR-2014A
BP-RCN-6-2014L	HR-2014L
BP-RCN-6-2006E	HR-2006E
BP-RCN-6-2019A	HR-2019A
BP-RCN-6-2027A	HR-2027A
BP-RCN-6-20315A	HR-20315A
BP-RCN-6-20315AP	HR-20315AP

Blank custom post refer to page 63

## BASE PLATES AND TOP FIXINGS



HR-2016A



HR-2014A



HR-20315AP



HR-20315A



HR-2027A



HR-2002E

### 2" ROUND END POST WITH NUTSERTS

- 2" Round mirror End post with a 3 hole welded Round base plate with cover (HR-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 11 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
BP-REN-1-2016A	HR-2016A
BP-REN-1-2014A	HR-2014A
BP-REN-1-20315AP	HR-20315AP
BP-REN-1-20315A	HR-20315A
BP-REN-1-2027A	HR-2027A
BP-REN-1-2002E	HR-2002E
BP-REN-1-2020A	HR-2020A
BP-REN-1-2019A	HR-2019A
BP-REN-1-2001E	HR-2001E
BP-REN-1-2022A	HR-2022A
BP-REN-1-2006E	HR-2006E
BP-REN-1-2005E	HR-2005E

Blank custom post refer to page 63

### 2" ROUND CORNER POST WITH NUTSERTS

- 2" Round mirror Corner post with a 3 hole welded Round base plate with cover (HR-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 22 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

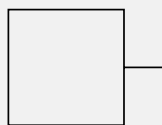
Code	Top
BP-RCN-1-2016A	HR-2016A
BP-RCN-1-2014A	HR-2014A
BP-RCN-1-2014L	HR-2014L
BP-RCN-1-20315AP	HR-20315AP
BP-RCN-1-2006E	HR-2006E
BP-RCN-1-2019A	HR-2019A
BP-RCN-1-2027A	HR-2027A
BP-RCN-1-20315A	HR-20315A

Blank custom post refer to page 63



### BASE PLATES AND TOP FIXINGS





End Post

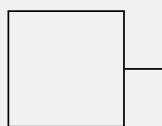


## END POST

- 2" Square End post with a 4 hole welded base plate (HR-SM-2016 / HR-SS-2016)
- Posts designed 960mm in height to the underside on the top rail
- 11 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMES-6-2016	HR-SM-2016	Mirror
BP-SMES-6-2014	HR-SM-2014	Mirror
BP-SMES-6-2002	HR-SM-2002	Mirror
BP-SMES-6-315AP	HR-SM-315AP	Mirror
BP-SMES-6-2021	HR-SM-2021	Mirror
BP-SMES-6-2020	HR-SM-2020	Mirror
BP-SMES-6-2027	HR-SM-2027	Mirror
BP-SMES-6-2019	HR-SM-2019	Mirror
BP-SSES-6-2016	HR-SS-2016	Satin
BP-SSES-6-2014	HR-SS-2014	Satin
BP-SSES-6-2002	HR-SS-2002	Satin
BP-SSES-6-315AP	HR-SS-315AP	Satin
BP-SSES-6-2021	HR-SS-2021	Satin
BP-SSES-6-2020	HR-SS-2020	Satin
BP-SSES-6-2027	HR-SS-2027	Satin
BP-SSES-6-2019	HR-SS-2019	Satin

Blank custom post refer to page 63



Corner Post



## CORNER POST

- 2" Square Corner post with a 4 hole welded base plate (HR-SM-2016 / HR-SS-2016)
- Posts designed 960mm in height to the underside on the top rail
- 22 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMCS-6-2016	HR-SM-2016	Mirror
BP-SMCS-6-2014	HR-SM-2014	Mirror
BP-SMCS-6-2006	HR-SM-2006	Mirror
BP-SMCS-6-2022	HR-SM-2022	Mirror
BP-SMCS-6-315AP	HR-SM-315AP	Mirror
BP-SMCS-6-2027	HR-SM-2027	Mirror
BP-SMCS-6-2019	HR-SM-2019	Mirror
BP-SSCS-6-2016	HR-SS-2016	Satin
BP-SSCS-6-2014	HR-SS-2014	Satin
BP-SSCS-6-2006	HR-SS-2006	Satin
BP-SSCS-6-2022	HR-SS-2022	Satin
BP-SSCS-6-315AP	HR-SS-315AP	Satin
BP-SSCS-6-2027	HR-SS-2027	Satin
BP-SSCS-6-2019	HR-SS-2019	Satin

Blank custom post refer to page 63

## BASE PLATES AND TOP FIXINGS



HR-SM-2016  
HR-SS-2016



HR-SM-2014  
HR-SS-2014



HR-SM-2002  
HR-SS-2002



HR-SM-2006  
HR-SS-2006



HR-SM-2022  
HR-SS-2022



## SQUARE WIRE BALUSTRADE POSTS WITH NUTSERTS

### END POST

- 2" Square End post with a 4 hole welded base plate (HR-SM-2016 / HR-SS-2016)
- Posts designed 960mm in height to the underside on the top rail
- 11 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMEN-6-2016	HR-SM-2016	Mirror
BP-SMEN-6-2014	HR-SM-2014	Mirror
BP-SMEN-6-2002	HR-SM-2002	Mirror
BP-SMEN-6-315AP	HR-SM-315AP	Mirror
BP-SMEN-6-2021	HR-SM-2021	Mirror
BP-SMEN-6-2020	HR-SM-2020	Mirror
BP-SMEN-6-2027	HR-SM-2027	Mirror
BP-SMEN-6-2019	HR-SM-2019	Mirror
BP-SSEN-6-2016	HR-SS-2016	Satin
BP-SSEN-6-2014	HR-SS-2014	Satin
BP-SSEN-6-2002	HR-SS-2002	Satin
BP-SSEN-6-315AP	HR-SS-315AP	Satin
BP-SSEN-6-2021	HR-SS-2021	Satin
BP-SSEN-6-2020	HR-SS-2020	Satin
BP-SSEN-6-2027	HR-SS-2027	Satin
BP-SSEN-6-2019	HR-SS-2019	Satin

Blank custom post refer to page 63

### CORNER POST

- 2" Square Corner post with a 4 hole welded base plate (HR-SM-2016 / HR-SS-2016)
- Posts designed 960mm in height to the underside on the top rail
- 22 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMCN-6-2016	HR-SM-2016	Mirror
BP-SMCN-6-2014	HR-SM-2014	Mirror
BP-SMCN-6-2006	HR-SM-2006	Mirror
BP-SMCN-6-2022	HR-SM-2022	Mirror
BP-SMCN-6-315AP	HR-SM-315AP	Mirror
BP-SMCN-6-2027	HR-SM-2027	Mirror
BP-SMCN-6-2019	HR-SM-2019	Mirror
BP-SSCN-6-2016	HR-SS-2016	Satin
BP-SSCN-6-2014	HR-SS-2014	Satin
BP-SSCN-6-2006	HR-SS-2006	Satin
BP-SSCN-6-2022	HR-SS-2022	Satin
BP-SSCN-6-315AP	HR-SS-315AP	Satin
BP-SSCN-6-2027	HR-SS-2027	Satin
BP-SSCN-6-2019	HR-SS-2019	Satin

Blank custom post refer to page 63

### BASE PLATES AND TOP FIXINGS



HR-SM-315AP  
HR-SS-315AP



HR-SM-2021  
HR-SS-2021



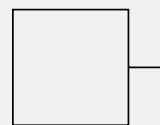
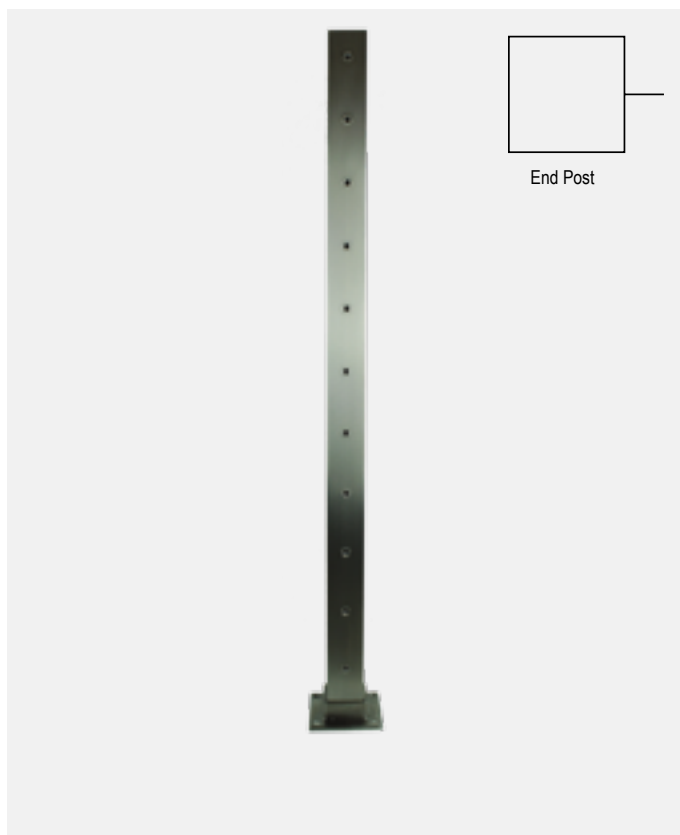
HR-SM-2020  
HR-SS-2020



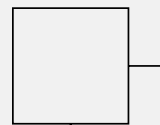
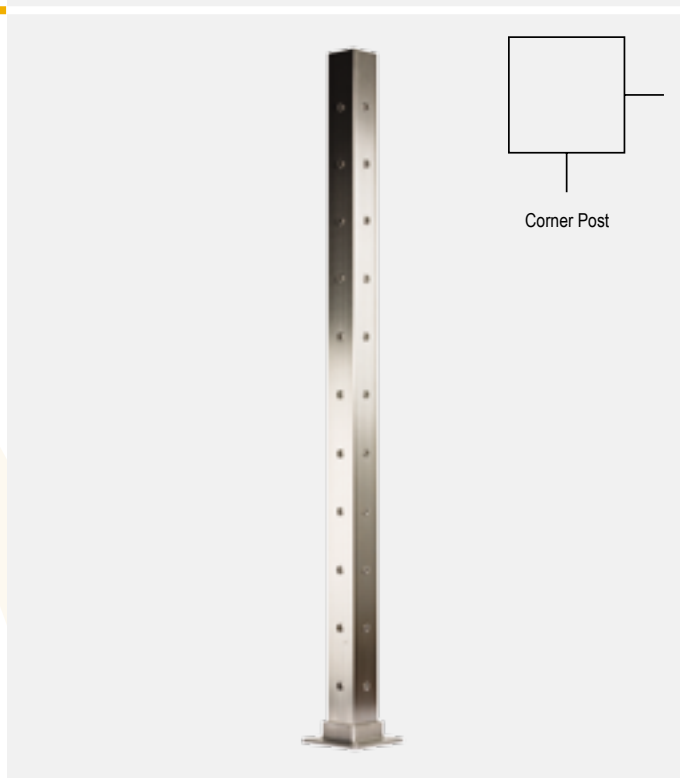
HR-SM-2027  
HR-SS-2027



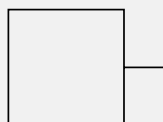
HR-SM-2019  
HR-SS-2019



End Post



Corner Post



End Post

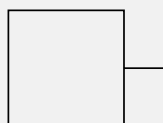


## END POST

- 2" Square End post with a 4 hole welded base plate and cover (HR-SM-2001A / HR-SS-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 11 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMES-1-2016	HR-SM-2016	Mirror
BP-SMES-1-2014	HR-SM-2014	Mirror
BP-SMES-1-2002	HR-SM-2002	Mirror
BP-SMES-1-315AP	HR-SM-315AP	Mirror
BP-SMES-1-2021	HR-SM-2021	Mirror
BP-SMES-1-2020	HR-SM-2020	Mirror
BP-SMES-1-2027	HR-SM-2027	Mirror
BP-SMES-1-2019	HR-SM-2019	Mirror
BP-SSES-1-2016	HR-SS-2016	Satin
BP-SSES-1-2014	HR-SS-2014	Satin
BP-SSES-1-2002	HR-SS-2002	Satin
BP-SSES-1-315AP	HR-SS-315AP	Satin
BP-SSES-1-2021	HR-SS-2021	Satin
BP-SSES-1-2020	HR-SS-2020	Satin
BP-SSES-1-2027	HR-SS-2027	Satin
BP-SSES-1-2019	HR-SS-2019	Satin

Blank custom post refer to page 63



Corner Post



## CORNER POST

- 2" Square End post with a 4 hole welded base plate and cover (HR-SM-2001A / HR-SS-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 22 saddles (5mm) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMCS-1-2016	HR-SM-2016	Mirror
BP-SMCS-1-2014	HR-SM-2014	Mirror
BP-SMCS-1-2006	HR-SM-2006	Mirror
BP-SMCS-1-2022	HR-SM-2022	Mirror
BP-SMCS-1-315AP	HR-SM-315AP	Mirror
BP-SMCS-1-2027	HR-SM-2027	Mirror
BP-SMCS-1-2019	HR-SM-2019	Mirror
BP-SSCS-1-2016	HR-SS-2016	Satin
BP-SSCS-1-2014	HR-SS-2014	Satin
BP-SSCS-1-2006	HR-SS-2006	Satin
BP-SSCS-1-2022	HR-SS-2022	Satin
BP-SSCS-1-315AP	HR-SS-315AP	Satin
BP-SSCS-1-2027	HR-SS-2027	Satin
BP-SSCS-1-2019	HR-SS-2019	Satin

Blank custom post refer to page 63

## BASE PLATES AND TOP FIXINGS



HR-SM-2016  
HR-SS-2016



HR-SM-2014  
HR-SS-2014



HR-SM-2002  
HR-SS-2002



HR-SM-2006  
HR-SS-2006



HR-SM-2022  
HR-SS-2022

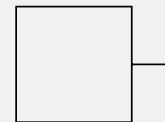
## SQUARE WIRE BALUSTRADE POSTS WITH NUTSERTS

### END POST

- 2" Square End post with a 4 hole welded base plate and cover (HR-SM-2001A / HR-SS-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 11 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMEN-1-2016	HR-SM-2016	Mirror
BP-SMEN-1-2014	HR-SM-2014	Mirror
BP-SMEN-1-2002	HR-SM-2002	Mirror
BP-SMEN-1-315AP	HR-SM-315AP	Mirror
BP-SMEN-1-2021	HR-SM-2021	Mirror
BP-SMEN-1-2020	HR-SM-2020	Mirror
BP-SMEN-1-2027	HR-SM-2027	Mirror
BP-SMEN-1-2019	HR-SM-2019	Mirror
BP-SSEN-1-2016	HR-SS-2016	Satin
BP-SSEN-1-2014	HR-SS-2014	Satin
BP-SSEN-1-2002	HR-SS-2002	Satin
BP-SSEN-1-315AP	HR-SS-315AP	Satin
BP-SSEN-1-2021	HR-SS-2021	Satin
BP-SSEN-1-2020	HR-SS-2020	Satin
BP-SSEN-1-2027	HR-SS-2027	Satin
BP-SSEN-1-2019	HR-SS-2019	Satin

Blank custom post refer to page 63



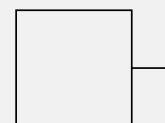
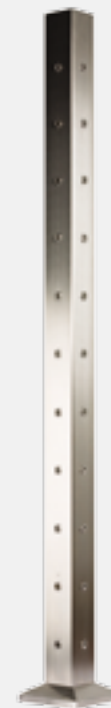
End Post

### CORNER POST

- 2" Square End post with a 4 hole welded base plate and cover (HR-SM-2001A / HR-SS-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 22 Nutserts (M6) spaced at 80mm centres
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top	Polish
BP-SMCN-1-2016	HR-SM-2016	Mirror
BP-SMCN-1-2014	HR-SM-2014	Mirror
BP-SMCN-1-2006	HR-SM-2006	Mirror
BP-SMCN-1-2022	HR-SM-2022	Mirror
BP-SMCN-1-315AP	HR-SM-315AP	Mirror
BP-SMCN-1-2027	HR-SM-2027	Mirror
BP-SMCN-1-2019	HR-SM-2019	Mirror
BP-SSCN-1-2016	HR-SS-2016	Satin
BP-SSCN-1-2014	HR-SS-2014	Satin
BP-SSCN-1-2006	HR-SS-2006	Satin
BP-SSCN-1-2022	HR-SS-2022	Satin
BP-SSCN-1-315AP	HR-SS-315AP	Satin
BP-SSCN-1-2027	HR-SS-2027	Satin
BP-SSCN-1-2019	HR-SS-2019	Satin

Blank custom post refer to page 63



Corner Post

### BASE PLATES AND TOP FIXINGS



HR-SM-315AP  
HR-SS-315AP



HR-SM-2021  
HR-SS-2021



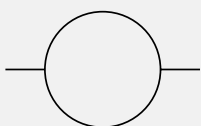
HR-SM-2020  
HR-SS-2020



HR-SM-2027  
HR-SS-2027



HR-SM-2019  
HR-SS-2019



Intermediate Post



### 2" ROUND INTERMEDIATE POST

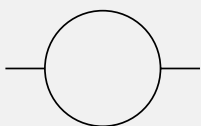
- 2" Round Mirror Corner post with a 3 hole welded Round base plate (HR-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 11 holes (8mm) each side to allow fitting through
- Can be custom made as requested
- Your choice of corresponding top fixing

#### Code

#### Top

BP-RI-6-2016A	HR-2016A
BP-RI-6-2014A	HR-2014A
BP-RI-6-20315AP	HR-20315AP
BP-RI-6-20315A	HR-20315A
BP-RI-6-2027A	HR-2027A
BP-RI-6-2002E	HR-2002E
BP-RI-6-2001E	HR-2001E
BP-RI-6-2019A	HR-2019A
BP-RI-6-2005E	HR-2005E

Blank custom post refer to page 63



Intermediate Post



### 2" ROUND INTERMEDIATE POST

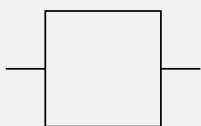
- 2" Round Mirror Corner post with a 3 hole welded Round base plate with cover (HR-2001A)
- Posts designed 960mm in height to the underside on the top rail
- 11 holes (8mm) each side to allow fitting through
- Can be custom made as requested
- Your choice of corresponding top fixing

#### Code

#### Top

BP-RI-1-2016A	HR-2016A
BP-RI-1-2014A	HR-2014A
BP-RI-1-20315AP	HR-20315AP
BP-RI-1-20315A	HR-20315A
BP-RI-1-2027A	HR-2027A
BP-RI-1-2002E	HR-2002E
BP-RI-1-2001E	HR-2001E
BP-RI-1-2019A	HR-2019A
BP-RI-1-2005E	HR-2005E

Blank custom post refer to page 63



Intermediate Post



### 2" SATIN SQUARE INTERMEDIATE POST

- 2" Square Satin Corner post with a 4 hole welded base plate (HR-SS-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 11 holes (8mm) each side to allow fitting through
- Can be custom made as requested
- Your choice of corresponding top fixing

#### Code

#### Top

BP-SSI-6-2016	HR-SS-2016
BP-SSI-6-2014	HR-SS-2014
BP-SSI-6-315AP	HR-SS-315AP
BP-SSI-6-2027	HR-SS-2027
BP-SSI-6-2020	HR-SS-2020
BP-SSI-6-2002	HR-SS-2002
BP-SSI-6-2005	HR-SS-2005
BP-SSI-6-2021	HR-SS-2021
BP-SSI-6-2019	HR-SS-2019

Blank custom post refer to page 63

**2" MIRROR SQUARE INTERMEDIATE POST**

- 2" Square Satin Corner post with a 4 hole welded base plate (HR-SM-2001)
- Posts designed 960mm in height to the underside on the top rail
- 11 holes (8mm) each side to allow fitting through
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
BP-SMI-1-2016	HR-SM-2016
BP-SMI-1-2014	HR-SM-2014
BP-SMI-1-315AP	HR-SM-315AP
BP-SMI-1-2027	HR-SM-2027
BP-SMI-1-2020	HR-SM-2020
BP-SMI-1-2002	HR-SM-2002
BP-SMI-1-2005	HR-SM-2005
BP-SM1-1-2021	HR-SM-2021
BP-SM1-1-2019	HR-SM-2019

Blank custom post refer to page 63

**2" SATIN SQUARE INTERMEDIATE POST**

- 2" Square Satin Corner post with a 4 hole welded base plate (HR-SS-2001)
- Posts designed 960mm in height to the underside on the top rail
- 11 holes (8mm) each side to allow fitting through
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
BP-SSI-1-2016	HR-SS-2016
BP-SSI-1-2014	HR-SS-2014
BP-SSI-1-315AP	HR-SS-315AP
BP-SSI-1-2027	HR-SS-2027
BP-SSI-1-2020	HR-SS-2020
BP-SSI-1-2002	HR-SS-2002
BP-SSI-1-2005	HR-SS-2005
BP-SSI-1-2021	HR-SS-2021
BP-SSI-1-2019	HR-SS-2019

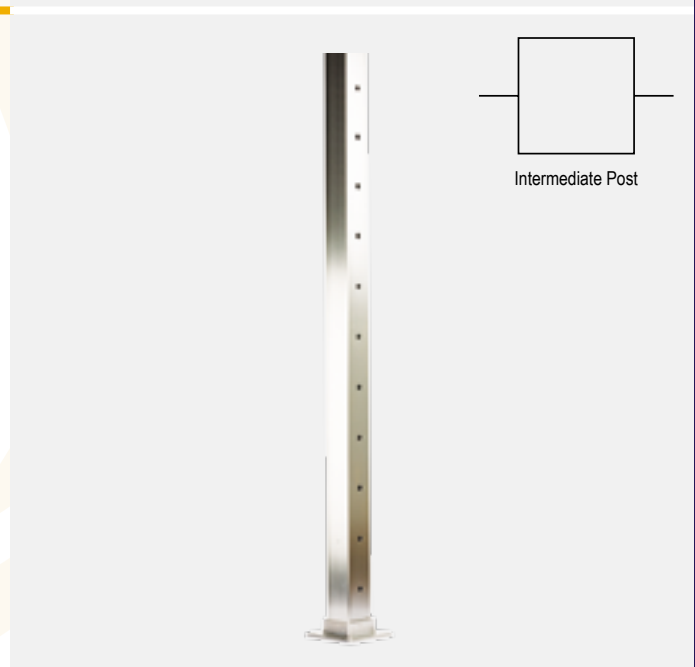
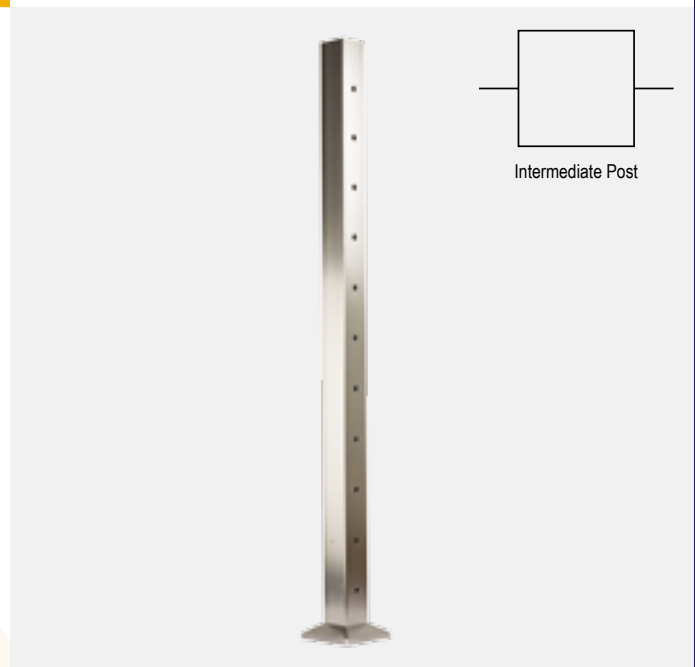
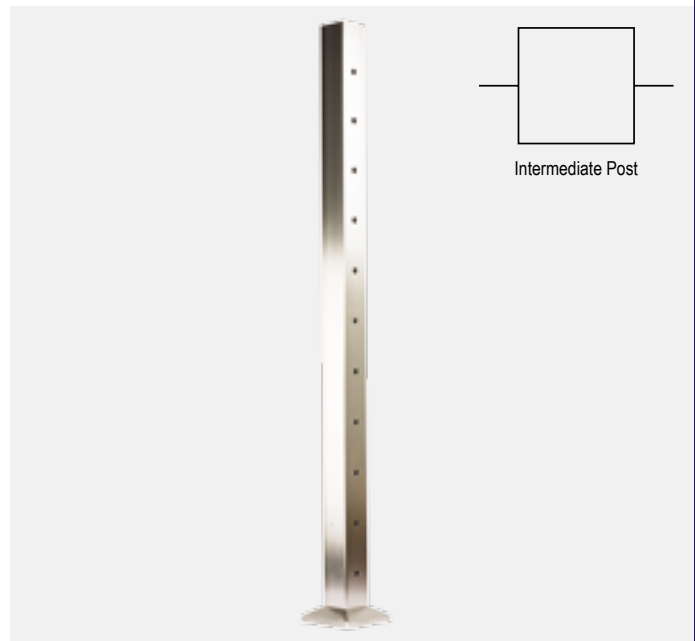
Blank custom post refer to page 63

**2" MIRROR SQUARE INTERMEDIATE POST**

- 2" Square Satin Corner post with a 4 hole welded base plate (HR-SM-2016A)
- Posts designed 960mm in height to the underside on the top rail
- 11 holes (8mm) each side to allow fitting through
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
BP-SMI-6-2016	HR-SM-2016
BP-SMI-6-2014	HR-SM-2014
BP-SMI-6-315AP	HR-SM-315AP
BP-SMI-6-2027	HR-SM-2027
BP-SMI-6-2020	HR-SM-2020
BP-SMI-6-2002	HR-SM-2002
BP-SMI-6-2005	HR-SM-2005
BP-SM1-6-2021	HR-SM-2021
BP-SM1-6-2019	HR-SM-2019

Blank custom post refer to page 63





### 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	Top
INT5010	960	50	10	80	8	Flat
INT5010-R	950	50	10	80	8	2" R



### 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

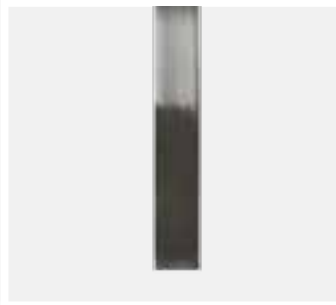
Code	H	D	W	C	d Ø
IPFLAT505	960	50	5	80	8



### 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

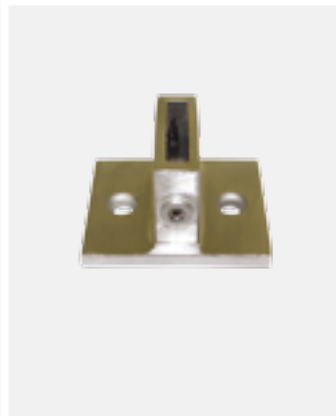
Code	H	D	W	C	d Ø
IPFLAT255	960	25	5	80	8



### 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 BLANK POST

- Posts are made to a 1mtr in height with a welded base plate
- No top fixings supplied – ordered separately

Code	Base
BP-RB-1	HR-2001A
BP-RB-6	HR-2016A



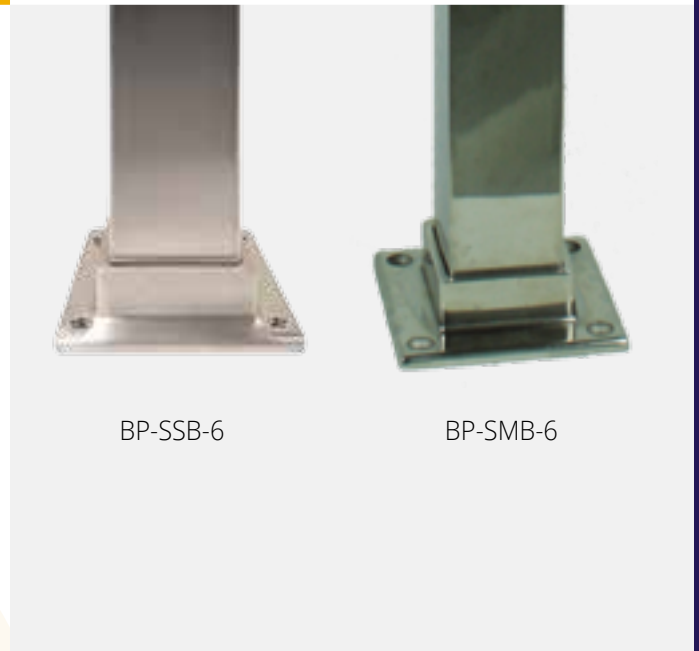
BP-RB-1

BP-RB-6

### 2" SQUARE BLANK POST

- Posts are made to a 1mtr in height with a welded base plate
- No top fixings supplied – ordered separately

Code	Base	Finish
BP-SSB-6	HR-SS-2016	Satin
BP-SMB-6	HR-SM-2016	Mirror



BP-SSB-6

BP-SMB-6

### 2" SQUARE BLANK POST

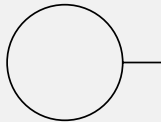
- Posts are made 1Mtr in height with a welded base plate and cover
- No top fixings supplied – ordered separately.

Code	Base	Finish
BP-SSB-1	HR-SS-2001	Satin
BP-SMB-1	HR-SM-2001	Mirror





HR2016A



End Post



### 2" ROUND END POST

- 2" Round polished stainless tube with a base plate and cover welded (HR-2001A)
- Posts designed to suit a 1mtr high handrail
- Post has 2 glass clamps attached (MGC-311)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-RE-1-2016A	HR-2016A
GBP-RE-1-2014A	HR-2014A
GBP-RE-1-20315AP	HR-20315AP
GBP-RE-1-20315A	HR-20315A
GBP-RE-1-2027A	HR-2027A
GBP-RE-1-2002E	HR-2002E
GBP-RE-1-2020A	HR-2020A
GBP-RE-1-2019A	HR-2019A
GBP-RE-1-2001E	HR-2001E
GBP-RE-1-2022A	HR-2022A
GBP-RE-1-2006E	HR-2006E
GBP-RE-1-2005E	HR-2005E

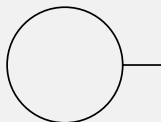
Blank custom post refer to page 63



HR2014A



HR20315AP



Corner Post



### 2" ROUND CORNER POST

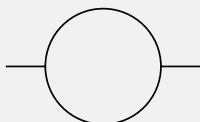
- 2" Round polished stainless tube with a base plate and cover welded (HR-2001A)
- posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-311)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-RC-1-2016A	HR-2016A
GBP-RC-1-2014A	HR-2014A
GBP-RC-1-2014L	HR-2014L
GBP-RC-1-20315AP	HR-20315AP
GBP-RC-1-2006E	HR-2006E
GBP-RC-1-2019A	HR-2019A
GBP-RC-1-2027A	HR-2027A
GBP-RC-1-20315A	HR-20315A

Blank custom post refer to page 63



HR20315A



Intermediate Post



### 2" ROUND INTERMEDIATE POST

- 2" Round polished stainless tube with a base plate and cover welded (HR-2001A)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-311)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-RI-1-2016A	HR-2016A
GBP-RI-1-2014A	HR-2014A
GBP-RI-1-20315AP	HR-20315AP
GBP-RI-1-20315A	HR-20315A
GBP-RI-1-2027A	HR-2027A
GBP-RI-1-2002E	HR-2002E
GBP-RI-1-2001E	HR-2001E
GBP-RI-1-2019A	HR-2019A
GBP-RI-1-2005E	HR-2005E

Blank custom post refer to page 63



HR2027A



HR2002E



**2" ROUND END POST**

- 2" Round polished stainless tube with a welded base plate (HR-2016A)
- Posts designed to suit a 1mtr high handrail
- Post has 2 glass clamps attached (MGC-311)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-RE-6-2016A	HR-2016A
GBP-RE-6-2014A	HR-2014A
GBP-RE-6-20315AP	HR-20315AP
GBP-RE-6-20315A	HR-20315A
GBP-RE-6-2027A	HR-2027A
GBP-RE-6-2002E	HR-2002E
GBP-RE-6-2020A	HR-2020A
GBP-RE-6-2019A	HR-2019A
GBP-RE-6-2001E	HR-2001E
GBP-RE-6-2022A	HR-2022A
GBP-RE-6-2006E	HR-2006E
GBP-RE-6-2005E	HR-2005E

Blank custom post refer to page 63

**2" ROUND CORNER POST**

- 2" Round polished stainless tube with a base plate and cover welded (HR-2016A)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-311)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-RC-6-2016A	HR-2016A
GBP-RC-6-2014A	HR-2014A
GBP-RC-6-2014L	HR-2014L
GBP-RC-6-20315AP	HR-20315AP
GBP-RC-6-2006E	HR-2006E
GBP-RC-6-2019A	HR-2019A
GBP-RC-6-2027A	HR-2027A
GBP-RC-6-20315A	HR-20315A

Blank custom post refer to page 63

**2" ROUND INTERMEDIATE POST**

- 2" Round polished stainless tube with a base plate and cover welded (HR-2016A)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-311)
- Can be custom made as requested
- Your choice of corresponding top fixing

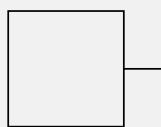
Code	Top
GBP-RI-6-2016A	HR-2016A
GBP-RI-6-2014A	HR-2014A
GBP-RI-6-20315AP	HR-20315AP
GBP-RI-6-20315A	HR-20315A
GBP-RI-6-2027A	HR-2027A
GBP-RI-6-2002E	HR-2002E
GBP-RI-6-2001E	HR-2001E
GBP-RI-6-2019A	HR-2019A
GBP-RI-6-2005E	HR-2005E

Blank custom post refer to page 63





HR-SS-2016



End Post



## 2" SATIN SQUARE END POST

- 2" Square Satin stainless tube with a welded base plate (HR-SS-2016A)
- Posts designed to suit a 1mtr high handrail
- Post has 2 glass clamps attached (SGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

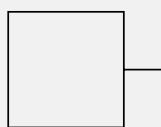
### Top

GBP-SSE-6-2016	HR-SS-2016
GBP-SSE-6-2014	HR-SS-2014
GBP-SSE-6-315AP	HR-SS-315AP
GBP-SSE-6-2002	HR-SS-2002
GBP-SSE-6-2020	HR-SS-2020
GBP-SSE-6-2027	HR-SS-2027
GBP-SSE-6-2006	HR-SS-2006
GBP-SSE-6-2019	HR-SS-2019
GBP-SSE-6-2005	HR-SS-2005

Blank custom post refer to page 63



HR-SS-2014



Corner Post



## 2" SATIN SQUARE CORNER POST

- 2" Square Satin stainless tube with a welded base plate (HR-SS-2016A)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (SGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

### Top

GBP-SSC-6-2016	HR-SS-2016
GBP-SSC-6-2014	HR-SS-2014
GBP-SSC-6-315AP	HR-SS-315AP
GBP-SSC-6-2006	HR-SS-2006
GBP-SSC-6-2022	HR-SS-2022
GBP-SSC-6-2027	HR-SS-2027
GBP-SSC-6-2019	HR-SS-2019

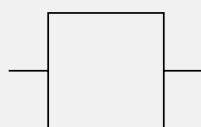
Blank custom post refer to page 63



HR-SS-315AP



HR-SS-2002



Intermediate Post



## 2" SATIN SQUARE INTERMEDIATE POST

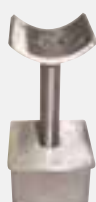
- 2" Square Satin stainless tube with a welded base plate (HR-SS-2016A)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (SGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

### Top

GBP-SSI-6-2016	HR-SS-2016
GBP-SSI-6-2014	HR-SS-2014
GBP-SSI-6-315AP	HR-SS-315AP
GBP-SSI-6-2027	HR-SS-2027
GBP-SSI-6-2020	HR-SS-2020
GBP-SSI-6-2019	HR-SS-2019
GBP-SSI-6-2005	HR-SS-2005

Blank custom post refer to page 63



HR-SS-2020

**2" SATIN SQUARE END POST**

- 2" Square satin stainless tube with a welded base plate and cover (HR-SS-2001).
- Posts designed to suit a 1mtr high handrail
- Post has 2 glass clamps attached (SGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-SSE-1-2016	HR-SS-2016
GBP-SSE-1-2014	HR-SS-2014
GBP-SSE-1-315AP	HR-SS-315AP
GBP-SSE-1-2002	HR-SS-2002
GBP-SSE-1-2020	HR-SS-2020
GBP-SSE-1-2027	HR-SS-2027
GBP-SSE-1-2006	HR-SS-2006
GBP-SSE-1-2019	HR-SS-2019
GBP-SSE-1-2005	HR-SS-2005

Blank custom post refer to page 63

**2" SATIN SQUARE CORNER POST**

- 2" Square satin stainless tube with a welded base plate and cover (HR-SS-2001)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (SGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-SSC-1-2016	HR-SS-2016
GBP-SSC-1-2014	HR-SS-2014
GBP-SSC-1-315AP	HR-SS-315AP
GBP-SSC-1-2006	HR-SS-2006
GBP-SSC-1-2022	HR-SS-2022
GBP-SSC-1-2027	HR-SS-2027
GBP-SSC-1-2019	HR-SS-2019

Blank custom post refer to page 63

**2" SATIN SQUARE INTERMEDIATE POST**

- 2" Square satin stainless tube with a welded base plate and cover (HR-SS-2001)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (SGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

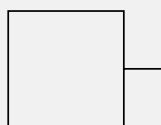
Code	Top
GBP-SSI-1-2016	HR-SS-2016
GBP-SSI-1-2014	HR-SS-2014
GBP-SSI-1-315AP	HR-SS-315AP
GBP-SSI-1-2027	HR-SS-2027
GBP-SSI-1-2020	HR-SS-2020
GBP-SSI-1-2019	HR-SS-2019
GBP-SSI-1-2005	HR-SS-2005

Blank custom post refer to page 63





HR-SM-2016



End Post



## 2" MIRROR SQUARE END POST

- 2" Square Mirror stainless tube with a welded base plate (HR-SM-2016)
- Posts designed to suit a 1mtr high handrail
- Post has 2 glass clamps attached (MGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

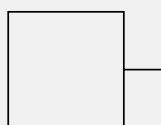
### Top

GBP-SME-6-2016	HR-SM-2016
GBP-SME-6-2014	HR-SM-2014
GBP-SME-6-315AP	HR-SM-315AP
GBP-SME-6-2002	HR-SM-2002
GBP-SME-6-2020	HR-SM-2020
GBP-SME-6-2027	HR-SM-2027
GBP-SME-6-2006	HR-SM-2006
GBP-SME-6-2019	HR-SM-2019
GBP-SME-6-2005	HR-SM-2005

Blank custom post refer to page 63



HR-SM-2014



Corner Post



## 2" MIRROR SQUARE CORNER POST

- 2" Square Mirror stainless tube with a welded base plate (HR-SM-2016)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

### Top

GBP-SMC-6-2016	HR-SM-2016
GBP-SMC-6-2014	HR-SM-2014
GBP-SMC-6-315AP	HR-SM-315AP
GBP-SMC-6-2006	HR-SM-2006
GBP-SMC-6-2022	HR-SM-2022
GBP-SMC-6-2027	HR-SM-2027
GBP-SMC-6-2019	HR-SM-2019

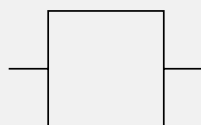
Blank custom post refer to page 63



HR-SM-315AP



HR-SM-2002



Intermediate Post



## 2" MIRROR SQUARE INTERMEDIATE POST

- 2" Square Mirror stainless tube with a welded base plate (HR-SM-2016)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

### Code

### Top

GBP-SMI-6-2016	HR-SM-2016
GBP-SMI-6-2014	HR-SM-2014
GBP-SMI-6-315AP	HR-SM-315AP
GBP-SMI-6-2027	HR-SM-2027
GBP-SMI-6-2020	HR-SM-2020
GBP-SMI-6-2019	HR-SM-2019
GBP-SMI-6-2005	HR-SM-2005



HR-SM-2020

**2" MIRROR SQUARE END POST**

- 2" Square satin stainless tube with a welded base plate and cover (HR-SM-2001)
- Posts designed to suit a 1mtr high handrail
- Post has 2 glass clamps attached (MGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-SME-1-2016	HR-SM-2016
GBP-SME-1-2014	HR-SM-2014
GBP-SME-1-315AP	HR-SM-315AP
GBP-SME-1-2002	HR-SM-2002
GBP-SME-1-2020	HR-SM-2020
GBP-SME-1-2027	HR-SM-2027
GBP-SME-1-2006	HR-SM-2006
GBP-SME-1-2019	HR-SM-2019
GBP-SME-1-2005	HR-SM-2005

Blank custom post refer to page 63

**2" MIRROR SQUARE CORNER POST**

- 2" Square satin stainless tube with a welded base plate and cover (HR-SM-2001)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-SMC-1-2016	HR-SM-2016
GBP-SMC-1-2014	HR-SM-2014
GBP-SMC-1-315AP	HR-SM-315AP
GBP-SMC-1-2006	HR-SM-2006
GBP-SMC-1-2022	HR-SM-2022
GBP-SMC-1-2027	HR-SM-2027
GBP-SMC-1-2019	HR-SM-2019

Blank custom post refer to page 63

**2" MIRROR SQUARE INTERMEDIATE POST**

- 2" Square satin stainless tube with a welded base plate and cover (HR-SM-2001)
- Posts designed to suit a 1mtr high handrail
- Post has 4 glass clamps attached (MGC-200)
- Can be custom made as requested
- Your choice of corresponding top fixing

Code	Top
GBP-SMI-1-2016	HR-SM-2016
GBP-SMI-1-2014	HR-SM-2014
GBP-SMI-1-315AP	HR-SM-315AP
GBP-SMI-1-2027	HR-SM-2027
GBP-SMI-1-2020	HR-SM-2020
GBP-SMI-1-2019	HR-SM-2019
GBP-SMI-1-2005	HR-SM-2005

Blank custom post refer to page 63





### 2" ROUND POOL FENCE POST WITH BASE PLATE & COVER

- Posts made 1250mm high with a welded base plate (HR-2001A)
- Has glass clamps to suit 12mm glass (MGC-321)
- Please advise if you require a specific post height or positioning of the glass clamps

Code	Top	Position
PP-REP-1-2019	HR-2019A	End
PP-RCP-1-2019	HR-2019A	Corner
PP-RIP-1-2019	HR-2019A	Intermediate



### 2" ROUND POOL FENCE POST WITH BASE PLATE

- Posts made 1250mm high with a welded base plate (HR-20016A)
- Has glass clamps to suit 12mm glass (MGC-321)
- Please advise if you require a specific post height or positioning of the glass clamps

Code	Top	Position
PP-REP-6-2019	HR-2019A	End
PP-RCP-6-2019	HR-2019A	Corner
PP-RIP-6-2019	HR-2019A	Intermediate



### 2" ROUND POOL FENCE FOR CORE DRILLING WITH COVER PLATE

- Posts are made 1350mm high to suit core drill installation with a cover plate supply (HR-2001A-C)
- Has glass clamps to suit 12mm glass (MGC-321)
- Please advise if you require a specific post height or positioning of the glass clamps

Code	Top	Position
PP-REP-C-2019	HR-2019A	End
PP-RCP-C-2019	HR-2019A	Corner
PP-RIP-C-2019	HR-2019A	Intermediate

### BASE PLATES AND TOP FIXINGS



HR-2019A



HR-2001A



HR2016A



HR-2001A-C

**2" SQUARE POOL FENCE POST WITH BASE PLATE & COVER**

- Posts made 1250mm high with a welded base plate and cover (HR-SM-2001A)
- Has glass clamps to suit 12mm glass (MGC-200)
- Please advise if you require a specific post height or positioning of the glass clamps.

Code	Top	Position
PP-SMEP-1-2019	HR-SM-2019A	End
PP-SMCP-1-2019	HR-SM-2019A	Corner
PP-SMIP-1-2019	HR-SM-2019A	Intermediate



**2" SQUARE POOL FENCE POST WITH BASE PLATE**

- Posts made 1250m high with a welded base plate (HR-SM-2016)
- Has glass clamps to suit 12mm glass (MGC-200)
- Please advise if you require a specific post height or positioning of the glass clamps

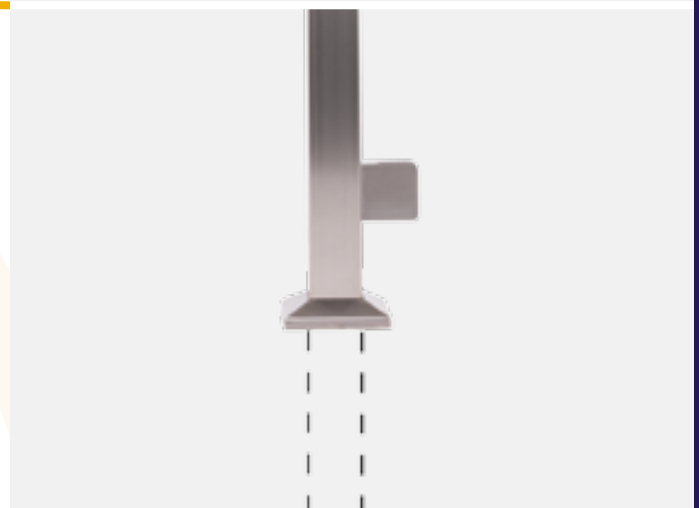
Code	Top	Position
PP-SMEP-6-2019	HR-SM-2019	End
PP-SMCP-6-2019	HR-SM-2019	Corner
PP-SMIP-6-2019	HR-SM-2019	Intermediate



**2" SQUARE POOL FENCE FOR CORE DRILLING WITH COVER PLATE**

- Posts are made 1350mm high to suit core drill installation with a cover plate supply (HR-SM-2001A-C)
- Has glass clamps to suit 12mm glass (MGC-200)
- Please advise if you require a specific post height or positioning of the glass clamps

Code	Top	Position
PP-SMEP-C-2019	HR-SM-2019	End
PP-SMCP-C-2019	HR-SM-2019	Corner
PP-SMIP-C-2019	HR-SM-2019	Intermediate



**BASE PLATES AND TOP FIXINGS**



HR-SM-2019

HR-SM-2001A

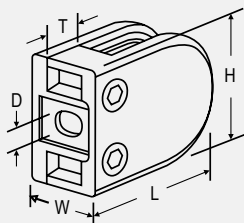
HR-SM-2016A

HR-SM-2001A-C



SGC-310  
MGC-310

SGC-311  
MGC-311



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

- All size gaskets are included with clamps
- Fix to posts with blind rivet nuts and cap screws (see page 90)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

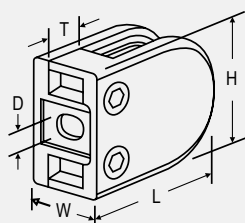
Code	Finish	Suit Glass	Suit Post	H	L	W	T	D	Sold
MGC-310	M	6.0, 8.0, 10.0	Sq/Flat	45	63	26	16	9.0	Each
SGC-310	S	6.0, 8.0, 10.0	Sq/Flat	45	63	26	16	9.0	Each
MGC-311	M	6.0, 8.0, 10.0	2" Round	45	63	26	16	9.0	Each
SGC-311	S	6.0, 8.0, 10.0	2" Round	45	63	26	16	9.0	Each
MGC-PR-310	M	6.0, 8.0, 10.0	Sq/Flat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



SGC-320  
MGC-320

SGC-321  
MGC-321



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

- All size gaskets are included with clamps
- Fix to posts with blind rivet nuts and cap screws (see page 90)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

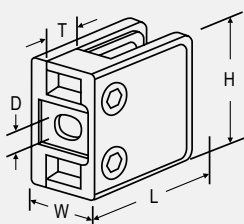
Code	Finish	Suit Glass	Suit Post	H	L	W	T	D	Wgt
MGC-320	M	8.0, 10.0, 12.0	Sq/Flat	55	60	32	16	9.0	405g
SGC-320	S	8.0, 10.0, 12.0	Sq/Flat	55	60	32	16	9.0	405g
MGC-321	M	8.0, 10.0, 12.0	2" Round	55	60	32	16	9.0	405g
SGC-321	S	8.0, 10.0, 12.0	2" Round	55	60	32	16	9.0	405g

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



SGC-200  
MGC-200

SGC-201  
MGC-201



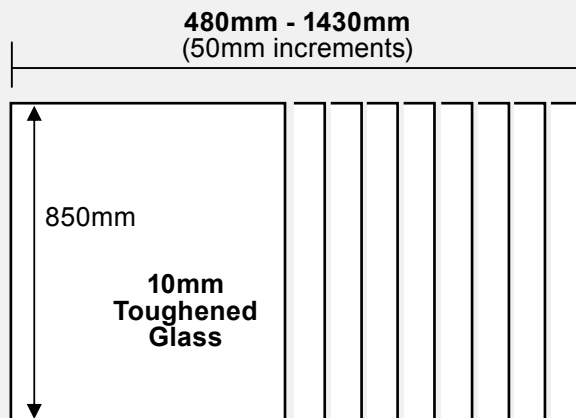
### GLASS CLAMP - LARGE SQUARE TYPE AISI 316 MIRROR (M) OR SATIN (S)

- All size gaskets are included with clamps
- Fix to posts with blind rivet nuts and cap screws (see page 90)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

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



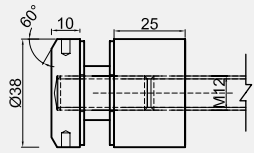


**10MM GLASS BALUSTRADING PANELS**

• 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

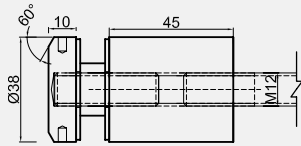




### STAINLESS STEEL STANDOFF PINS

- 38mm Diameter x 25mm Body Length

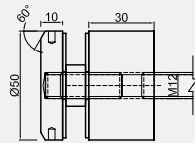
Code	Material	Finish
GSP-3825-S	316gr Stainless Steel	Satin
GSP-3825-P	316gr Stainless Steel	Polish



### STAINLESS STEEL STANDOFF PINS

- 38mm Diameter x 45mm Body Length

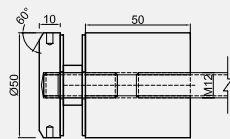
Code	Material	Finish
GSP-3845-S	316gr Stainless Steel	Satin
GSP-3845-P	316gr Stainless Steel	Polish



### STAINLESS STEEL STANDOFF PINS

- 50mm Diameter x 30mm Body Length

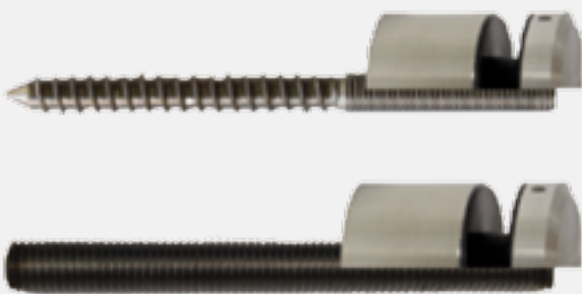
Code	Material	Finish
GSP-5030-S	316gr Stainless Steel	Satin
GSP-5030-P	316gr Stainless Steel	Polish



### 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-ROD-120	M12 Threaded Rod 120mm Long
GSP-TOOL	Tightening Tool to suit 38mm & 50mm Standoff Pins

**STAINLESS STEEL OFFSET HANDRAIL SQUARE FIXED BRACKETS 316GR**

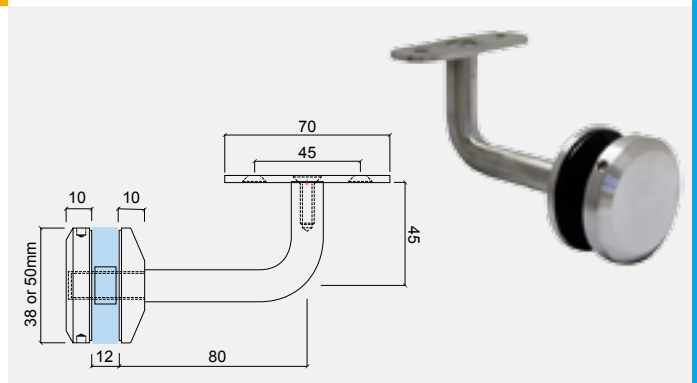
Code	Description	Finish
GOH-SFB-R-P	Radius Top suits 2" Diameter Tube	Polish
GOH-SFB-R-S	Radius Top suits 2" Diameter Tube	Satin
GOH-SFB-F-P	Flat Top	Polish
GOH-SFB-F-S	Flat Top	Satin



**STAINLESS STEEL OFFSET HANDRAIL ROUND FIXED BRACKETS 316GR**

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

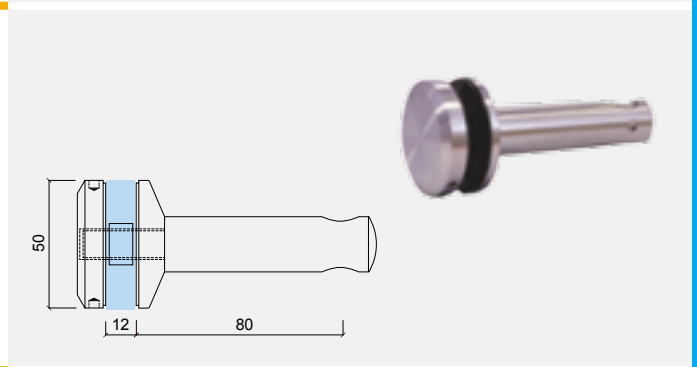
Code	Cap Size	Finish
GOH-RFB-38-P	38mm	Polish
GOH-RFB-38-S	38mm	Satin
GOH-RFB-50-P	50mm	Polish
GOH-RFB-50-S	50mm	Satin



**STAINLESS STEEL OFFSET HANDRAIL HORIZONTAL ADJUSTABLE BRACKETS 316GR**

- Must be used with vertical stem piece – ordered separately

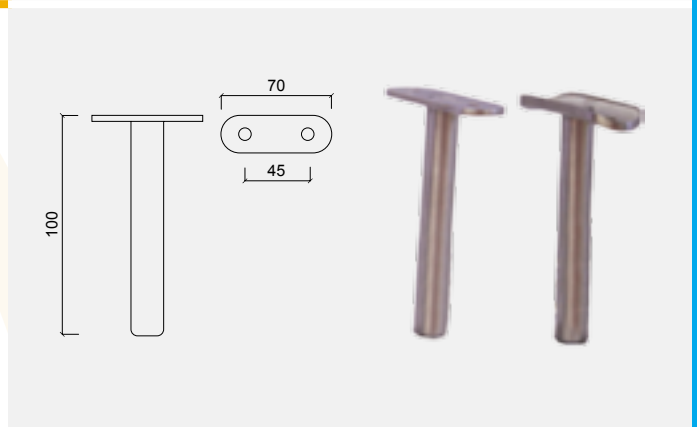
Code	Cap Size	Finish
GOH-ABH-38-P	38mm	Polish
GOH-ABH-38-S	38mm	Satin
GOH-ABH-50-P	50mm	Polish
GOH-ABH-50-S	50mm	Satin



**STAINLESS STEEL OFFSET HANDRAIL VERTICAL FIXED STEM**

- Must be used with horizontal bracket
- Suits Flat top, 1.5" and 2" Round tube

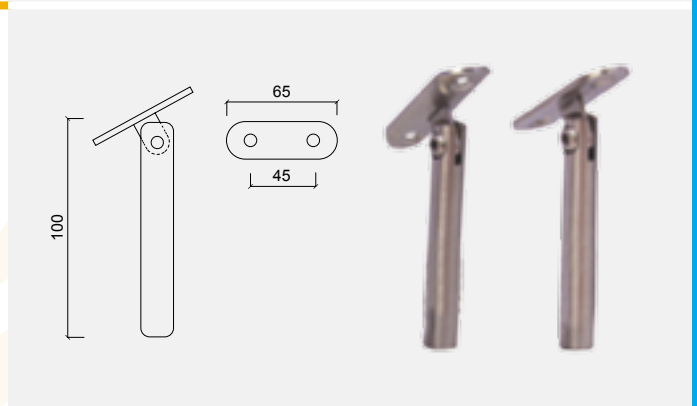
Code	Description	Finish
GOH-ABV-FS-P	Fixed Stem	Polish
GOH-ABV-FS-S	Fixed Stem	Satin

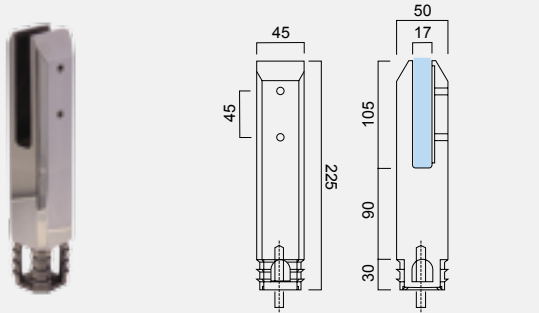


**STAINLESS STEEL OFFSET HANDRAIL VERTICAL ADJUSTABLE STEM**

- Adjustable (Stairs) Tops - 316grade
- Suits Flat top, 1.5" and 2" Round tube
- Must be used in conjunction with horizontal bracket

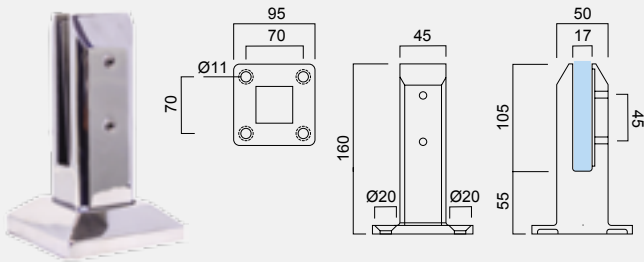
Code	Description	Finish
GOH-ABV-AS-P	Adjustable Stem	Polish
GOH-ABV-AS-S	Adjustable Stem	Satin





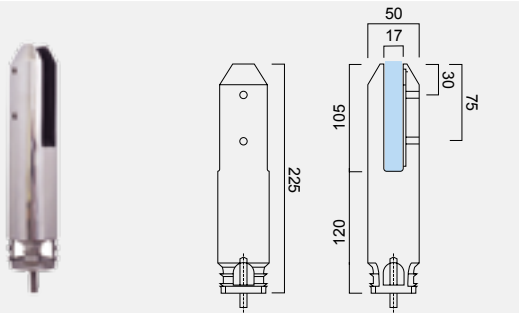
### STAINLESS STEEL SQUARE CORE DRILL SPIGOTS

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



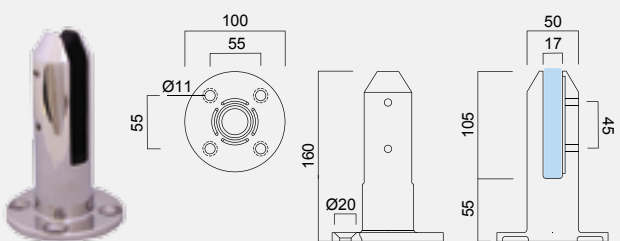
### STAINLESS STEEL SQUARE BASE PLATE SPIGOTS

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-RBP-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-GSHESG-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

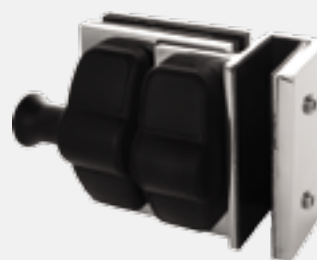
## GLASS TO GLASS LATCHES

Code	Material	Finish
GL-GG-P	316gr Stainless Steel and Black Polymer	Polish
GL-GG-S	316gr Stainless Steel and Black Polymer	Satin
GL-GG-SS-P	316gr Stainless Steel	Polish
GL-GG-SS-S	316gr Stainless Steel	Satin



## GLASS TO GLASS 90DEG EXTERNAL FIT LATCHES

Code	Material	Finish
GL-GG90E-P	316gr Stainless Steel and Black Polymer	Polish
GL-GG90E-S	316gr Stainless Steel and Black Polymer	Satin



## GLASS TO GLASS 90DEG INTERNAL FIT LATCHES

Code	Material	Finish
GL-GG90I-P	316gr Stainless Steel and Black Polymer	Polish
GL-GG90I-S	316gr Stainless Steel and Black Polymer	Satin



## GLASS TO ROUND POST LATCHES

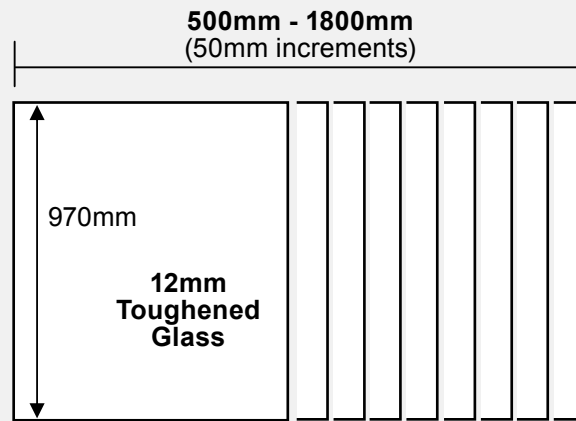
Code	Material	Finish
GL-GR-SS-P	316gr Stainless Steel	Polish
GL-GR-SS-S	316gr Stainless Steel	Satin



## GLASS TO WALL / SQUARE POST LATCHES

Code	Material	Finish
GL-GS-P	316gr Stainless Steel & Black Polymer	Polish
GL-GS-S	316gr Stainless Steel & Black Polymer	Satin
GL-GS-SS-P	316gr Stainless Steel	Polish
GL-GS-SS-S	316gr Stainless Steel	Satin





### 12MM GLASS BALUSTRADING PANELS - 970MM HIGH

- Below panels require 2 spigots per panel
- Use in conjunction with stainless steel spigots (page 76) and U Channel (page 48/49) or Slotted tube (page 50/51) top rail fittings

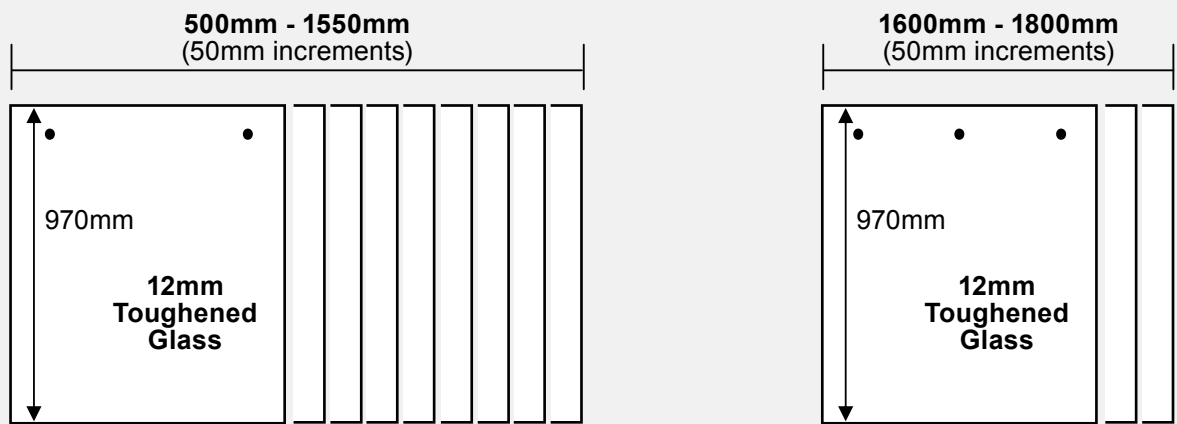
#### Suggested Spigot Placement

Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Spigot	Centre of Spigot to Centre of Spigot	Edge of Glass to Centre of Spigot	Glass Weight Kgs
G970U-0500	12mm	970mm	500mm	0.49	150mm	200mm	150mm	15Kg
G970U-0550	12mm	970mm	550mm	0.53	150mm	250mm	150mm	16Kg
G970U-0600	12mm	970mm	600mm	0.58	150mm	300mm	150mm	17Kg
G970U-0650	12mm	970mm	650mm	0.63	150mm	350mm	150mm	19Kg
G970U-0700	12mm	970mm	700mm	0.68	150mm	400mm	150mm	20Kg
G970U-0750	12mm	970mm	750mm	0.73	150mm	450mm	150mm	22Kg
G970U-0800	12mm	970mm	800mm	0.78	150mm	500mm	150mm	23Kg
G970U-0850	12mm	970mm	850mm	0.82	150mm	550mm	150mm	25Kg
G970U-0900	12mm	970mm	900mm	0.87	150mm	600mm	150mm	26Kg
G970U-0950	12mm	970mm	950mm	0.92	150mm	650mm	150mm	28Kg
G970U-1000	12mm	970mm	1000mm	0.97	150mm	700mm	150mm	29Kg
G970U-1050	12mm	970mm	1050mm	1.02	200mm	650mm	200mm	31Kg
G970U-1100	12mm	970mm	1100mm	1.07	200mm	700mm	200mm	32Kg
G970U-1150	12mm	970mm	1150mm	1.12	200mm	750mm	200mm	33Kg
G970U-1200	12mm	970mm	1200mm	1.16	200mm	800mm	200mm	35Kg
G970U-1250	12mm	970mm	1250mm	1.21	200mm	850mm	200mm	36Kg
G970U-1300	12mm	970mm	1300mm	1.26	200mm	900mm	200mm	38Kg
G970U-1350	12mm	970mm	1350mm	1.31	200mm	950mm	200mm	39Kg
G970U-1400	12mm	970mm	1400mm	1.36	200mm	1000mm	200mm	41Kg
G970U-1450	12mm	970mm	1450mm	1.41	200mm	1050mm	200mm	42Kg
G970U-1500	12mm	970mm	1500mm	1.46	200mm	1100mm	200mm	44Kg
G970U-1550	12mm	970mm	1550mm	1.50	200mm	1150mm	200mm	45Kg

- Below panels require 3 spigots per panel

#### Suggested Spigot Placement

Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Spigot	Centre of Spigot to Centre of Spigot	Centre of Spigot to Centre of Spigot	Edge of Glass to Centre of Spigot	Glass Weight Kgs
G970U-1600	12mm	970mm	1600mm	1.55	200mm	600mm	600mm	200mm	47Kg
G970U-1650	12mm	970mm	1650mm	1.60	200mm	625mm	625mm	200mm	48Kg
G970U-1700	12mm	970mm	1700mm	1.65	200mm	650mm	650mm	200mm	49Kg
G970U-1750	12mm	970mm	1750mm	1.70	200mm	675mm	675mm	200mm	51Kg
G970U-1800	12mm	970mm	1800mm	1.75	200mm	700mm	700mm	200mm	52Kg



**12MM GLASS BALUSTRADING PANELS - 970MM HIGH**

- Below panels require 2 spigots and handrail brackets per panel
- Use in conjunction with stainless steel spigots (page 76) and offset handrail fittings (page 46/47 & 75)
- 2 x 20mm holes in glass

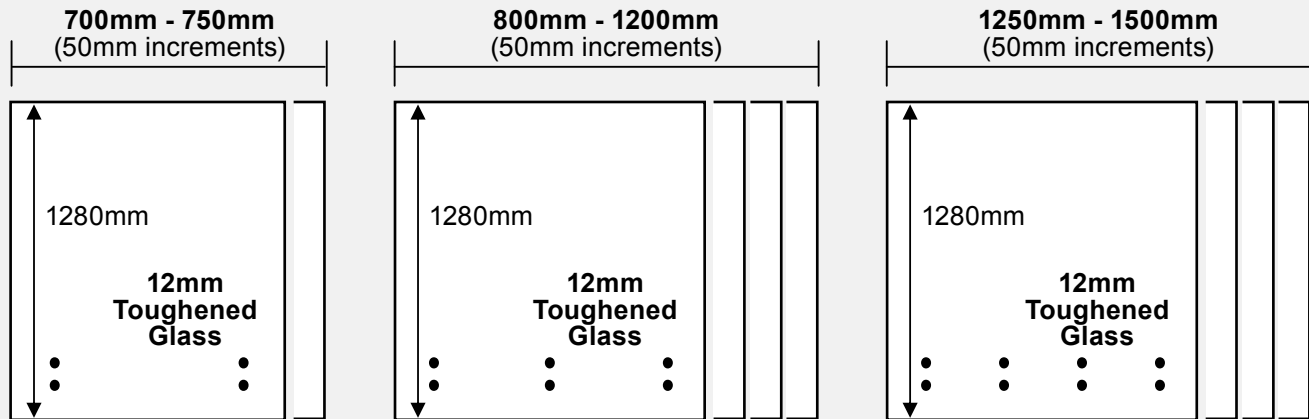
**Suggested Spigot Placement**

Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Spigot	Centre of Spigot to Centre of Spigot	Edge of Glass to Centre of Spigot	Glass Weight Kgs
G970D-0500	12mm	970mm	500mm	0.49	150mm	200mm	150mm	15Kg
G970D-0550	12mm	970mm	550mm	0.53	150mm	250mm	150mm	16Kg
G970D-0600	12mm	970mm	600mm	0.58	150mm	300mm	150mm	17Kg
G970D-0650	12mm	970mm	650mm	0.63	150mm	350mm	150mm	19Kg
G970D-0700	12mm	970mm	700mm	0.68	150mm	400mm	150mm	20Kg
G970D-0750	12mm	970mm	750mm	0.73	150mm	450mm	150mm	22Kg
G970D-0800	12mm	970mm	800mm	0.78	150mm	500mm	150mm	23Kg
G970D-0850	12mm	970mm	850mm	0.82	150mm	550mm	150mm	25Kg
G970D-0900	12mm	970mm	900mm	0.87	150mm	600mm	150mm	26Kg
G970D-0950	12mm	970mm	950mm	0.92	150mm	650mm	150mm	28Kg
G970D-1000	12mm	970mm	1000mm	0.97	150mm	700mm	150mm	29Kg
G970D-1050	12mm	970mm	1050mm	1.02	200mm	650mm	200mm	31Kg
G970D-1100	12mm	970mm	1100mm	1.07	200mm	700mm	200mm	32Kg
G970D-1150	12mm	970mm	1150mm	1.12	200mm	750mm	200mm	33Kg
G970D-1200	12mm	970mm	1200mm	1.16	200mm	800mm	200mm	35Kg
G970D-1250	12mm	970mm	1250mm	1.21	200mm	850mm	200mm	36Kg
G970D-1300	12mm	970mm	1300mm	1.26	200mm	900mm	200mm	38Kg
G970D-1350	12mm	970mm	1350mm	1.31	200mm	950mm	200mm	39Kg
G970D-1400	12mm	970mm	1400mm	1.36	200mm	1000mm	200mm	41Kg
G970D-1450	12mm	970mm	1450mm	1.41	200mm	1050mm	200mm	42Kg
G970D-1500	12mm	970mm	1500mm	1.46	200mm	1100mm	200mm	44Kg
G970D-1550	12mm	970mm	1550mm	1.50	200mm	1150mm	200mm	45Kg

- Below panels require 3 spigots and handrail brackets per panel
- 3 x 20mm holes in glass

**Suggested Spigot Placement**

Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Spigot	Centre of Spigot to Centre of Spigot	Centre of Spigot to Centre of Spigot	Edge of Glass to Centre of Spigot	Glass Weight Kgs
G970D-1600	12mm	970mm	1600mm	1.55	200mm	600mm	600mm	200mm	47Kg
G970D-1650	12mm	970mm	1650mm	1.60	200mm	625mm	625mm	200mm	48Kg
G970D-1700	12mm	970mm	1700mm	1.65	200mm	650mm	650mm	200mm	49Kg
G970D-1750	12mm	970mm	1750mm	1.70	200mm	675mm	675mm	200mm	51Kg
G970D-1800	12mm	970mm	1800mm	1.75	200mm	700mm	700mm	200mm	52Kg



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

- Below panels require 4 standoff pins (page 74) per panel
- Use in conjunction with U Channel (page 48/49) or Slotted tube (page 50/51) top rail fittings
- 4 x 22mm holes in glass for standoff pins

#### Suggested Pin Hole Placement

Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Holes	Centre of Holes to Centre of Holes	Edge of Glass to Centre of Holes	Glass Weight Kgs
G1280PUH-0700	12mm	1280mm	700mm	0.90	150mm	400mm	150mm	27Kg
G1280PUH-0750	12mm	1280mm	750mm	0.96	150mm	450mm	150mm	29Kg

- Below panels require 6 standoff pins (page 74) per panel
- 6 x 22mm holes in glass for standoff pins

#### Suggested Pin Hole Placement

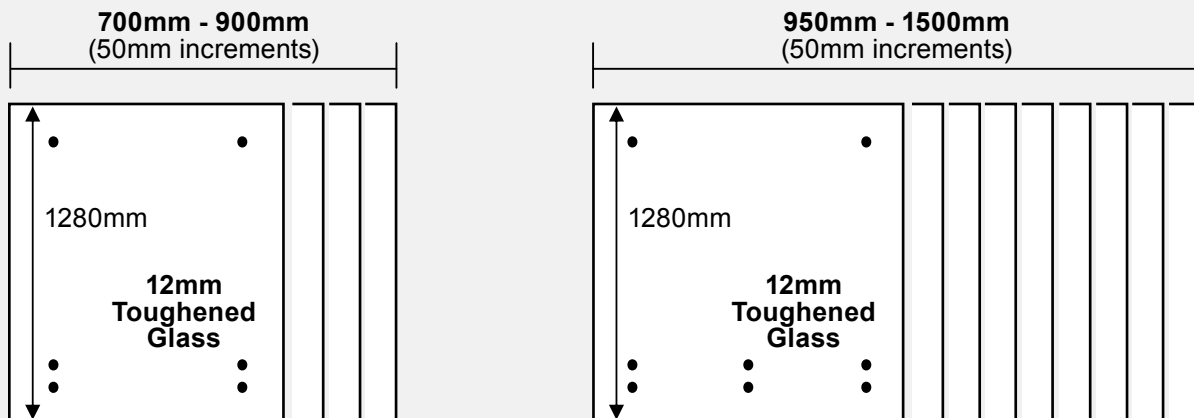
Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Holes	Centre of Holes to Centre of Holes	Centre of Holes to Centre of Holes	Edge of Glass to Centre of Holes	Glass Weight Kgs
G1280PUH-0800	12mm	1280mm	800mm	1.02	150mm	250mm	250mm	150mm	31Kg
G1280PUH-0850	12mm	1280mm	850mm	1.09	150mm	275mm	275mm	150mm	33Kg
G1280PUH-0900	12mm	1280mm	900mm	1.15	150mm	300mm	300mm	150mm	35Kg
G1280PUH-0950	12mm	1280mm	950mm	1.22	150mm	325mm	325mm	150mm	37Kg
G1280PUH-1000	12mm	1280mm	1000mm	1.28	150mm	350mm	350mm	150mm	38Kg
G1280PUH-1050	12mm	1280mm	1050mm	1.34	150mm	375mm	375mm	150mm	40Kg
G1280PUH-1100	12mm	1280mm	1100mm	1.41	150mm	400mm	400mm	150mm	42Kg
G1280PUH-1150	12mm	1280mm	1150mm	1.47	150mm	425mm	425mm	150mm	44Kg
G1280PUH-1200	12mm	1280mm	1200mm	1.54	150mm	450mm	450mm	150mm	46Kg

- Below panels require 8 standoff pins (page 74) per panel
- 8 x 22mm holes in glass for standoff pins

#### Suggested Pin Hole Placement

Code	Thickness	Height	Width	Sqm	Edge of Glass to Centre of Holes	Centre of Holes to Centre of Holes	Centre of Holes to Centre of Holes	Centre of Holes to Centre of Holes	Edge of Glass to Centre of Holes	Glass Weight Kgs
G1280PUH-1250	12mm	1280mm	1250mm	1.60	149.5mm	317mm	317mm	317mm	149.5mm	48Kg
G1280PUH-1300	12mm	1280mm	1300mm	1.66	150.5mm	333mm	333mm	333mm	150.5mm	50Kg
G1280PUH-1350	12mm	1280mm	1350mm	1.73	150mm	350mm	350mm	350mm	150mm	52Kg
G1280PUH-1400	12mm	1280mm	1400mm	1.79	149.5mm	367mm	367mm	367mm	149.5mm	54Kg
G1280PUH-1450	12mm	1280mm	1450mm	1.86	150.5mm	383mm	383mm	383mm	150.5mm	56Kg
G1280PUH-1500	12mm	1280mm	1500mm	1.92	150mm	400mm	400mm	400mm	150mm	58Kg





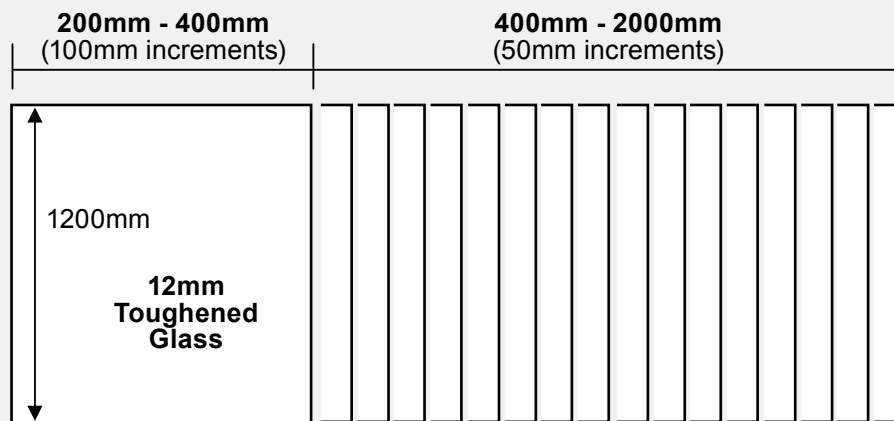
**12MM GLASS BALUSTRADING PANELS - 1280MM HIGH**

- Below panels require 4 standoff pins (page 74) and 2 offset handrail fittings (page 46/47 & 75) per panel
- 2 x 20mm holes for offset handrail fittings
- 4 x 22mm holes in glass for standoff 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	
G1280PDH-0700	12mm	1280mm	700mm	0.9	150mm	400mm	150mm	26.9Kg
G1280PDH-0750	12mm	1280mm	750mm	0.96	150mm	450mm	150mm	28.8Kg
G1280PDH-0800	12mm	1280mm	800mm	1.02	150mm	500mm	150mm	30.7Kg
G1280PDH-0850	12mm	1280mm	850mm	1.09	150mm	550mm	150mm	32.6Kg
G1280PDH-0900	12mm	1280mm	900mm	1.15	150mm	600mm	150mm	34.5Kg

- Below panels require 6 standoff pins (page 74) and 2 offset handrail fittings (page 46/47 & 75) per panel
- 2 x 20mm holes for offset handrail fittings
- 6 x 22mm holes in glass for standoff 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	
G1280PDH-0950	12mm	1280mm	950mm	1.22	150mm	325mm	325mm	36.5Kg
G1280PDH-1000	12mm	1280mm	1000mm	1.28	150mm	350mm	350mm	38.4Kg
G1280PDH-1050	12mm	1280mm	1050mm	1.34	150mm	375mm	375mm	40.3Kg
G1280PDH-1100	12mm	1280mm	1100mm	1.41	150mm	400mm	400mm	42.2Kg
G1280PDH-1150	12mm	1280mm	1150mm	1.47	150mm	425mm	425mm	44.2Kg
G1280PDH-1200	12mm	1280mm	1200mm	1.54	150mm	450mm	450mm	46.1Kg
G1280PDH-1250	12mm	1280mm	1250mm	1.6	150mm	475mm	475mm	48Kg
G1280PDH-1300	12mm	1280mm	1300mm	1.66	150mm	500mm	500mm	49.9Kg
G1280PDH-1350	12mm	1280mm	1350mm	1.73	150mm	525mm	525mm	51.8Kg
G1280PDH-1400	12mm	1280mm	1400mm	1.79	150mm	550mm	550mm	53.8Kg
G1280PDH-1450	12mm	1280mm	1450mm	1.86	150mm	575mm	575mm	55.7Kg
G1280PDH-1500	12mm	1280mm	1500mm	1.92	150mm	600mm	600mm	57.6Kg

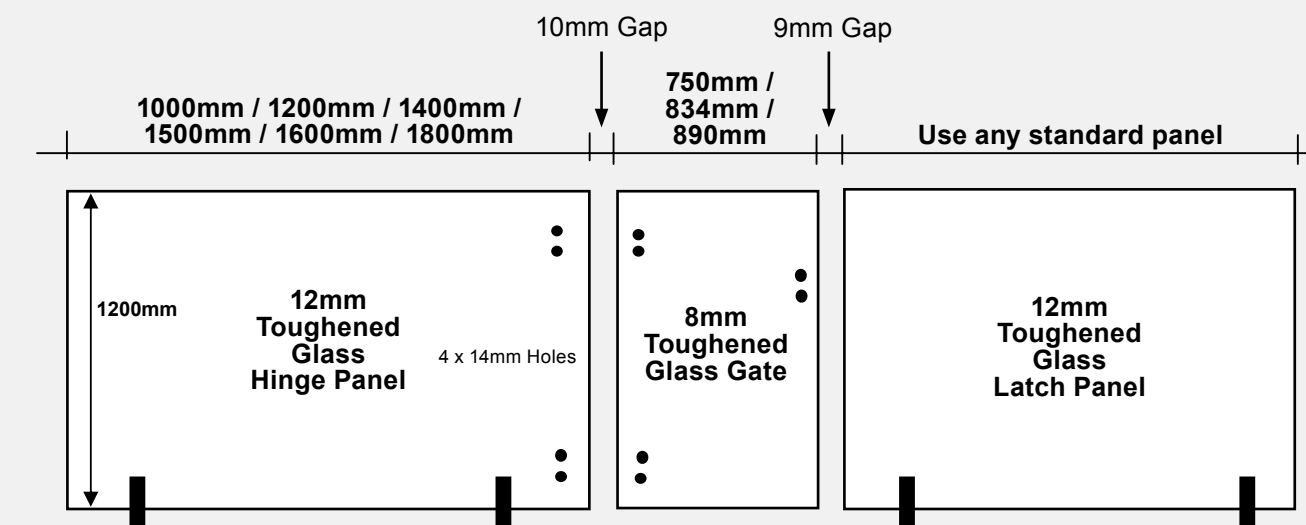
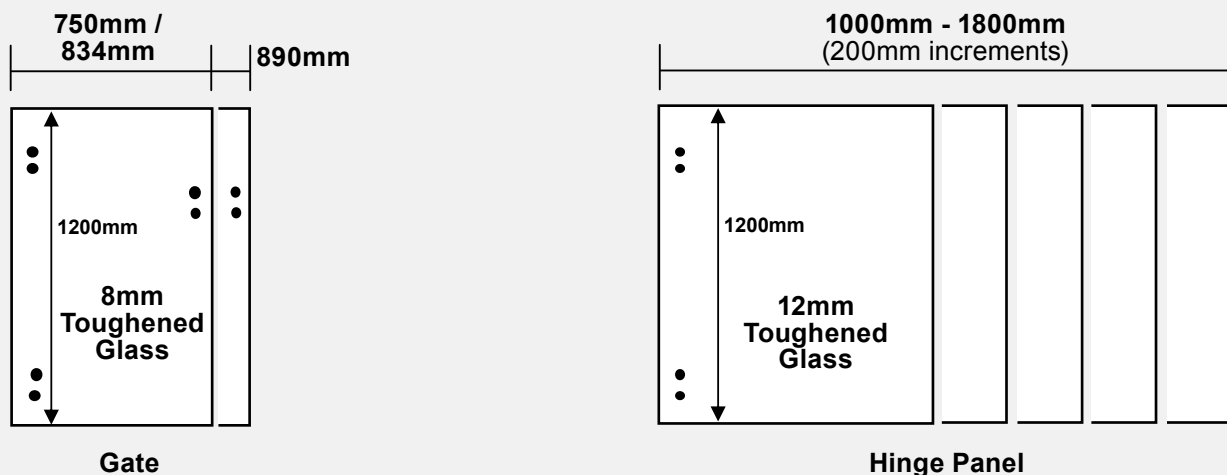


### 12MM TOUGHENED GLASS TO BE USED IN POOL FENCE APPLICATIONS

- Can be used with spigots (page 76) for frameless applications or with patch fitting glass clamps (page 72) for semi-frameless applications
- See page 70 & 71 for pre fabricated posts to suit semi-frameless pool fence applications
- Below panels require 2 spigots per panel

#### Suggested Spigot Placement

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	
G12NH-0200	12mm	1200mm	200mm	0.24	50mm	100mm	50mm	7Kg
G12NH-0300	12mm	1200mm	300mm	0.36	100mm	100mm	100mm	11Kg
G12NH-0400	12mm	1200mm	400mm	0.48	100mm	200mm	100mm	14Kg
G12NH-0450	12mm	1200mm	450mm	0.54	100mm	250mm	100mm	16Kg
G12NH-0500	12mm	1200mm	500mm	0.60	100mm	300mm	100mm	18Kg
G12NH-0550	12mm	1200mm	550mm	0.66	100mm	350mm	100mm	20Kg
G12NH-0600	12mm	1200mm	600mm	0.72	100mm	400mm	100mm	22Kg
G12NH-0650	12mm	1200mm	650mm	0.78	100mm	450mm	100mm	23Kg
G12NH-0700	12mm	1200mm	700mm	0.84	100mm	500mm	100mm	25Kg
G12NH-0750	12mm	1200mm	750mm	0.90	150mm	450mm	150mm	27Kg
G12NH-0800	12mm	1200mm	800mm	0.96	150mm	500mm	150mm	29Kg
G12NH-0850	12mm	1200mm	850mm	1.02	150mm	550mm	150mm	31Kg
G12NH-0900	12mm	1200mm	900mm	1.08	150mm	600mm	150mm	32Kg
G12NH-0950	12mm	1200mm	950mm	1.14	150mm	650mm	150mm	34Kg
G12NH-1000	12mm	1200mm	1000mm	1.20	150mm	700mm	150mm	36Kg
G12NH-1050	12mm	1200mm	1050mm	1.26	150mm	750mm	150mm	38Kg
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	1.50	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	1.80	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	2.10	250mm	1250mm	250mm	63Kg
G12NH-1800	12mm	1200mm	1800mm	2.16	300mm	1200mm	300mm	65Kg
G12NH-1850	12mm	1200mm	1850mm	2.22	300mm	1250mm	300mm	67Kg
G12NH-1900	12mm	1200mm	1900mm	2.28	300mm	1300mm	300mm	68Kg
G12NH-1950	12mm	1200mm	1950mm	2.34	300mm	1350mm	300mm	70Kg
G12NH-2000	12mm	1200mm	2000mm	2.40	300mm	1400mm	300mm	72Kg



**8MM GLASS GATES FOR POOL FENCING**

- Use in conjunction with hinge kits (page 76) and friction latch kits (page 77)
- 6 x 10mm holes for hinges and latch kits

Code	Thickness	Height	Width	Sqm	Glass Weight Kgs
G08SLG-0750	12mm	1200mm	750mm	0.90	18Kg
G08SLG-0834	12mm	1200mm	834mm	1.00	20Kg
G08SLG-0890	12mm	1200mm	890mm	1.07	21Kg

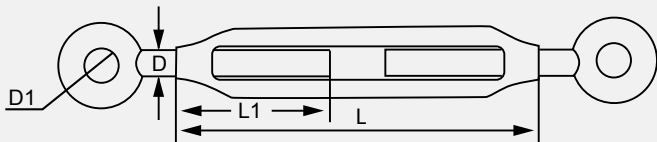
**12MM TOUGHENED GLASS HINGE PANELS FOR POOL FENCING**

- Use in conjunction with hinge kits (page 76) and glass gates above
- Below panels require 2 spigots (page 76) per panel
- 4 x 14mm holes for hinge kits

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	
G12NH-H-1000	12mm	1200mm	1000mm	1.20	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-1500	12mm	1200mm	1500mm	1.80	250mm	1000mm	250mm	54Kg
G12NH-H-1600	12mm	1200mm	1600mm	1.92	250mm	1100mm	250mm	58Kg
G12NH-H-1800	12mm	1200mm	1800mm	2.16	300mm	1200mm	300mm	65Kg



Hot Dipped Galvanised



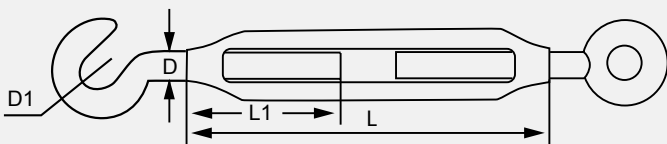
### GALVANISED FORGED TURNBUCKLE EYE & EYE

- 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 28mm.
- 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



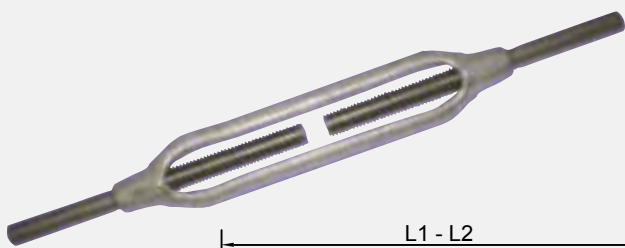
Hot Dipped Galvanised



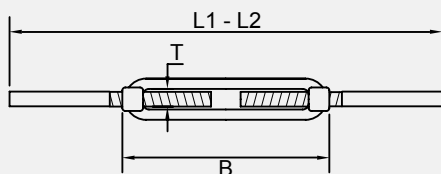
### GALVANISED FORGED TURNBUCKLE HOOK & EYE

- 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 28mm.
- 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



Hot Dipped Galvanised



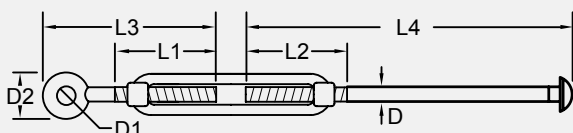
### GALVANISED FORGED TURNBUCKLE STUB – STUB

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

Code	T	L1	L2	B	Wgt
325010	10	260	362	145	0.31kg
325012	12	310	450	200	0.55kg
325016	16	370	542	252	1.1kg
325020	20	460	650	295	1.94kg
325022	22	165	250	330	3kg
325024	25	175	270	350	4kg



Hot Dipped Galvanised



### GALVANISED FORGED FENCING TURNBUCKLES

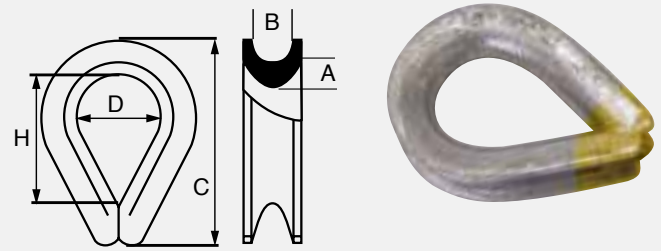
- Suitable for outdoor use in conjunction with fence posts etc for heavy duty tensioning applications.
- Manufactured from forged steel in hot dipped galvanised finish in cup head bolt and eye end fittings for intended applications.
- NOT FOR LIFTING APPLICATIONS

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

**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

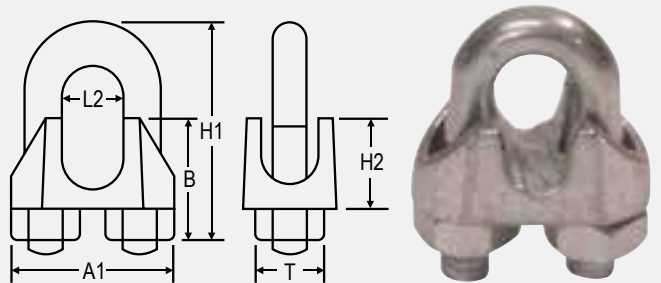
Code	Rope Ø	A	B	C	E	Wgt
BS464-06	6	4	7	25	16	0.04g
BS464-08	8	5	7.9	33	22	0.052g
BS464-10	10	5	10.3	38	25	0.08g
BS464-12	12	6	14.3	44	32	0.13g
BS464-14	14	7	15	46	38	0.15g
BS464-16	16	8	15.9	59	41	0.26g
BS464-20	20	10	21.6	75	52	0.50g
BS464-22	22	10	22.2	83	57	0.62g
BS464-24	24	11	25.4	92	64	0.9g
BS464-26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



**GALVANISED WIRE ROPE GRIP**

- An electric galvanised finish grip suitable for galvanised wire rope clamping
- Commercial Grade Wire Rope Grips
- Australian Standard Wire Rope Grips available on request
- Larger sizes available on request

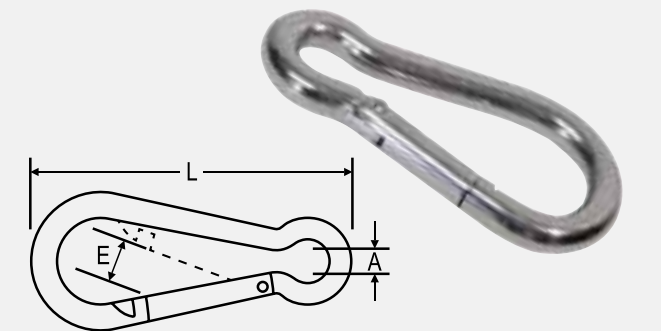
Code	Rope Ø	A1	B	H1	H2	L2	T	Wgt
301203	3.2	22	13	26	10	5.0	12.5	15g
301205	5.0	26	16	29	14	5.2	13.0	25g
301206	6.0	32	19	37	16	6.8	20.0	50g
301208	8.0	35	19	37	19	8.3	23.0	59g
301210	10.0	40	25	49	19	10.0	23.3	84g
301213	13.0	48	30	60	27	13.0	27.0	149g
301216	16.0	57	31	67	30	16.0	32.0	232g
301220	19-20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



**GALVANISED SPRING HOOK ZINC PLATED**

- Zinc plated galvanised spring hook for non rated applications

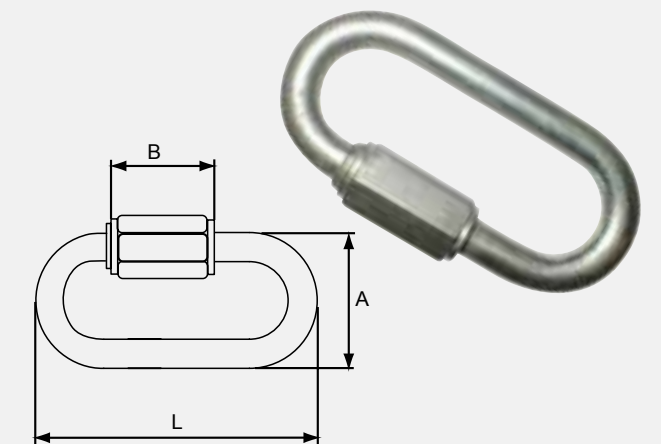
Code	Size	A	L	E	WLL	Wgt
425204	4	7	40	7	80	9g
425205	5	8	50	7	100	14g
425206	6	9	60	8	120	25g
425208	8	12	80	9	180	61g
425210	10	15	100	11	230	122g
425212	12	20	140	119	380	251g



**QUICK LINK ELECTRO-GALVANISED**

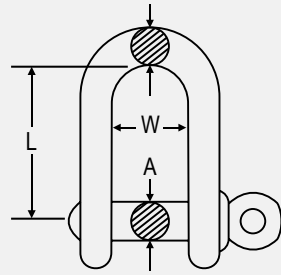
- Oval Shape • Positive Screw Lock
- Electro-Zinc plated • Not for Lifting Applications

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



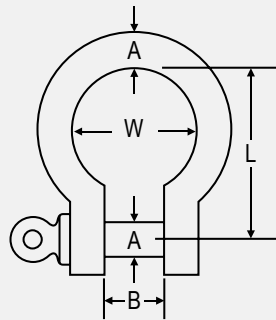
## GALVANISED "D" SHACKLE

• Hot dipped galvanized "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



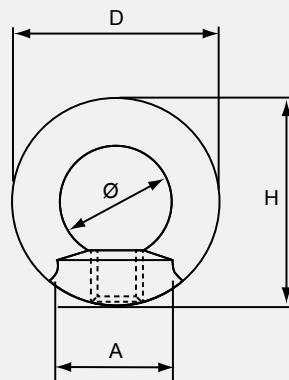
Hot Dipped Galvanised



## GALVANISED BOW SHACKLE

• Hot dipped galvanized Bow Shackle suitable for non rated applications

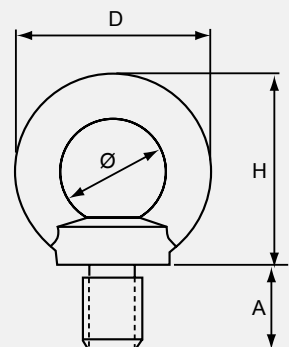
Code	A	B	L	W	Wgt
205305	5	10	19	15	16g
205306	6	13	25	18	28g
205308	8	16	32	24	52g
205310	10	19	41	20	112g
205312	12	25	51	39	183g
205316	16	32	68	48	486g
205320	20	38	80	57	844g
205322	22	85	44	66	1285g
205325	25	95	50	75	1866g



## 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

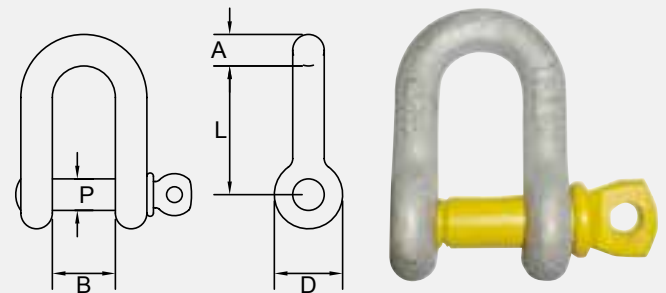
• Din standard 580 - C15 grade gold (zinc) finish, marked with identifications & WLL

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

**GOLD PIN GRADE S DEE SHACKLES**

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

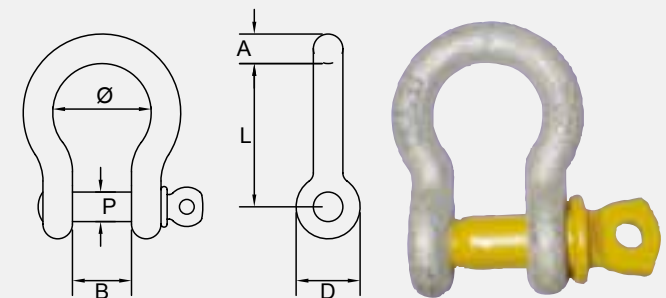
Code	A	P	B	L	D	WLL
241306	6	8	13	26	17	500
241308	8	10	14	31	22	750
241310	10	11	17	37	25	1000
241311	11	13	19	43	28	1500
241313	13	16	21	49	32	2000
241316	16	19	26	60	41	3250
241319	19	22	32	71	49	4750
241322	22	25	37	83	56	6500
241325	25	29	42	92	60	8500
241329	29	32	45	105	65	9500
241332	32	35	51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

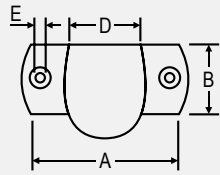


**RATCHET TIE-DOWN STRAPS**

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

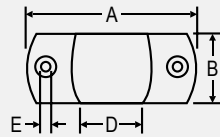
Code	Length	Width	Load Capacity
LCT0.35T*	4.5M	25mm	350Kg
LCT0.5T*	6M	35mm	500Kg
LCT1.5T	6M	35mm	1500Kg
LCT2.5T	9M	50mm	2500Kg
LCT5.0T	9M	75mm	5000Kg





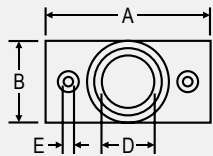
### RAIL END CAP 1" AISI 316

Code	A	B	D	E	Screw Size	Wgt
SS-391-1	72	30	25.4	5	12g	162g



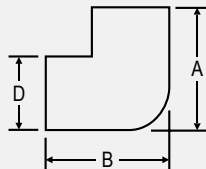
### 1" RAIL CENTRAL CAP AISI 316

Code	A	B	D	E	Screw Size	Wgt
SS-392-1	72	30	25.4	5	10g	152g



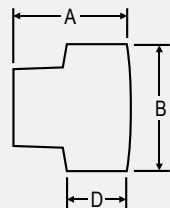
### 1" DECK TEE 90° AISI 316

Code	A	B	D	E	Screw Size	Wgt
SS-393-1	73	35	25.4	6	14g	132g



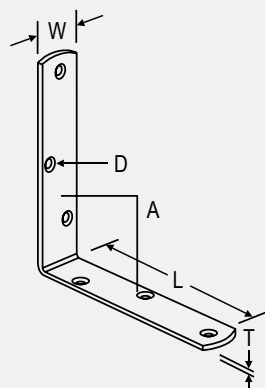
### 1" RAIL ELBOW 90° AISI 316

Code	A	B	D	Wgt
SS-394-1	50	50	25.4	167g



### 1" RAIL TEE 90° AISI 316

Code	A	B	D	Wgt
SS-395-1	55	55	25.4	189g



### CORNER STAY AISI 304

• Alternate sizes and lengths available on request

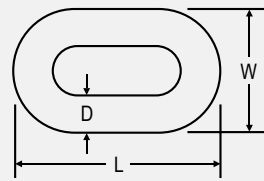
Code	A	D	L	T	W	Wgt
SS-CS-2045	90°	4.5	45	3	20	35g
SS-CS-2090	90°	4.5	90	3	20	75g
SS-CS-20120	90°	4.5	120	3	20	103g
SS-CS-2575	90°	4.5	75	3	25	81g
SS-CS-25120	90°	4.5	120	3	25	127g
SS-CS-3045	90°	4.5	45	3	30	56g
SS-CS-3090	90°	4.5	90	3	30	114g
SS-CS-30105	90°	4.5	105	3	30	139g
SS-CS-30120	90°	4.5	120	3	30	160g



**MEDIUM LINK POLISHED CHAIN AISI 316**

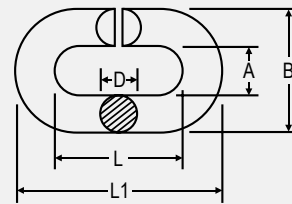
- A quality 316gr polished chain to Australian standard sizes • Sold per metre
- Mill & Tensile reports available on request
- Short link available on request
- Not suitable for lifting applications

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



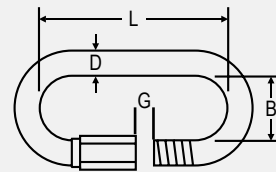
**CHAIN LINK CLIP AISI 316**

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

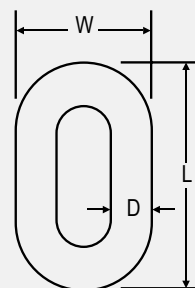


**MEDIUM LINK CHAIN HOT DIPPED GALVANISED**

- 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

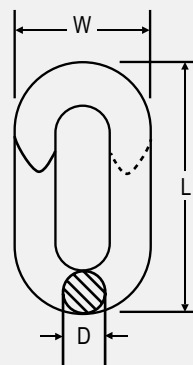
**Hot Dipped Galvanised**

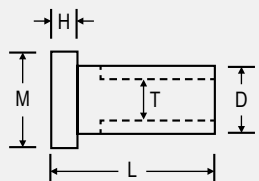


**GALVANISED CHAIN REPAIR LINK**

- 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

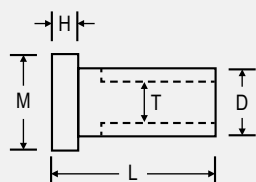




### BLIND RIVET NUT - LARGE FLANGE AISI 304

- Female threaded insert for fixing eye screws / glass clamps to post
- insert with nutsert tool (see page 96)
- for wall thickness less than 4.0mm

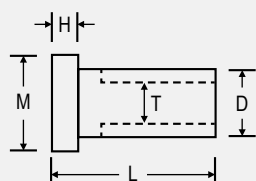
Code	T	Hand	Wall				M	Sold
			Thickness	D	H	L		
NS-SS-M05-R	M5	Right	< 4.0mm	7	1.1	13	9.5	Each
NS-SS-M06-L	M6	Left	< 4.0mm	9	1.5	16	12	Each
NS-SS-M06-R	M6	Right	< 4.0mm	9	1.5	16	12	Each
NS-SS-M08-R	M8	Right	< 4.0mm	11	1.6	18	15	Each
NS-SS-M10-R	M10	Right	< 4.0mm	12.5	2	21	16.5	Each



### BLIND RIVET NUT - LARGE FLANGE AISI 304

- Female threaded insert for fixing eye screws / glass clamps to post
- insert with nutsert tool (see page 96)
- for larger wall thickness between 4.2mm to 6.6mm

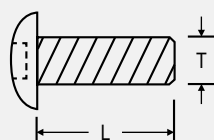
Code	T	Hand	Wall				M	Sold
			Thickness	D	H	L		
NS-SS-LG-M06-L M6	M6	Left	4.2mm to 6.6mm	10	1	18	13	Each
NS-SS-LG-M06-R M6	M6	Right	4.2mm to 6.6mm	10	1	18	13	Each



### BLIND RIVET NUT - SMALL FLANGE AISI 304

- Female threaded insert for fixing eye screws / glass clamps to post
- insert with nutsert tool (see page 96)
- for wall thickness less than 4.0mm

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



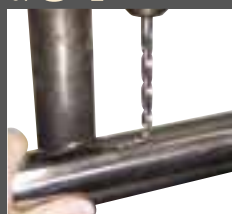
### BUTTON HEAD CAP SCREW AISI 304

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

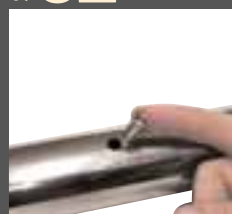
Code	T	L	Sold
BHTS-0530	M5	30.0	each
BHTS-0550	M5	52.7	each
BHTS-0620	M6	23.5	each
BHTS-0640	M6	40.0	each
BHTS-0820	M8	24.4	each
BHTS-0850	M8	54.5	each

## INSTALLATION OF BLIND RIVET NUTS

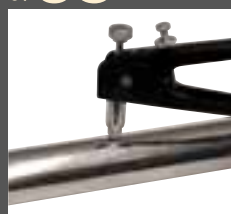
STEP 01



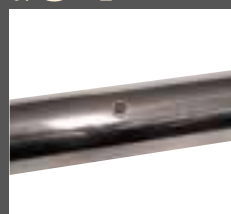
STEP 02



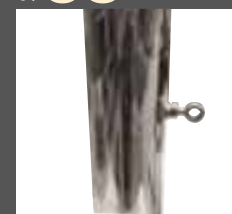
STEP 03



STEP 04



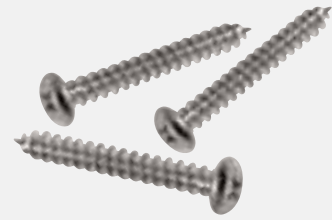
STEP 05



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

- Self Tapper Phillips Drive 304grade
- Other sizes available on request

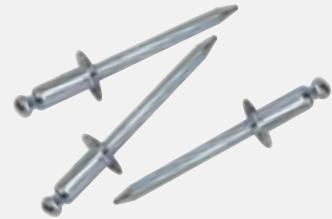
Code	Gauge	Length	Head
STCP6114	6	1 1/4"	CSK
STCP8114	8	1 1/4"	CSK
STPP81	8	1"	PAN
STPP8114	8	1 1/4"	PAN
STPP101	10	1"	PAN



**POP RIVETS ALL STAINLESS STEEL AISI 304**

- S/Steel Shaft and Head
- Other sizes available on request

Code	Ø	Length	Sold
PRSTST4-3	3.2	5.0	each
PRSTST5-2	4.0	3.2	each
PRSTST5-4	4.0	6.4	each
PRSTST6-6	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**

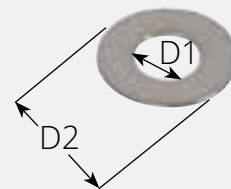
Code	Size	Sold	Weight
ATMZ-06	M6	Metre	0.22Kg
ATMZ-08	M8	Metre	0.31Kg
ATMZ-10	M10	Metre	0.49Kg
ATMZ-12	M12	Metre	0.71Kg
ATMZ-16	M16	Metre	1.31Kg
ATMZ-20	M20	Metre	2.05Kg



**FLAT WASHER STAINLESS STEEL AISI 304**

- Other sizes available on request

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**

- Nylock nuts available on request
- Other sizes available on request

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

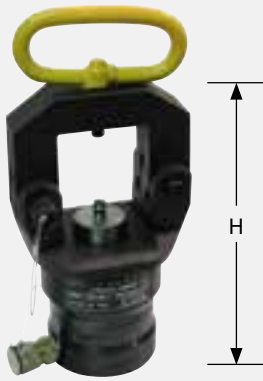


**DOME NUT STAINLESS STEEL AISI 304**

- Other sizes available on request

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-630-3-4H	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

## MACHINE SWAGING STEP BY STEP GUIDE

STEP 01



STEP 02



STEP 03



STEP 04



**PRESSURE GAUGE FOR HYDRAULIC PRESS**

• Optional gauge for HPCO-630 or HPCO-1000

Code	Max. Pressure
HPGA-1000	700Kg/Cm2



**HYDRAULIC HOSE REPLACEMENT W/COUPLINGS**

• Replacement hose for HPCP-700B

Code	Length
HPH-18	1.8M



**REPLACEMENT QUICK COUPLING FOR HYDRAULIC PRESS**

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

Code
HPC-18



**REPLACEMENT COVER CAP FOR HYDRAULIC COUPLING**

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

Code
HPC-15



**BVA HYDRAULIC (FOOT CONTROLLED) AIR PUMP**

Code	Suits	L	W	H	Wgt
HPPAF-15	HPCO-630	600	150	150	8Kg
	HPCO-1000				



STEP 05



STEP 06



STEP 07



STEP 08





### BUDGET HAND SWAGER

- For swaging of wire rope ferrules only (see page 20)

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-345CR	600	3.2/4.0/5.0	4.0kg
HS-6810CR	1060mm	6.0 / 8.0 / 10	9.0Kg



### 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

**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



**WIRE ROPE CUTTER – BUDGET**

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

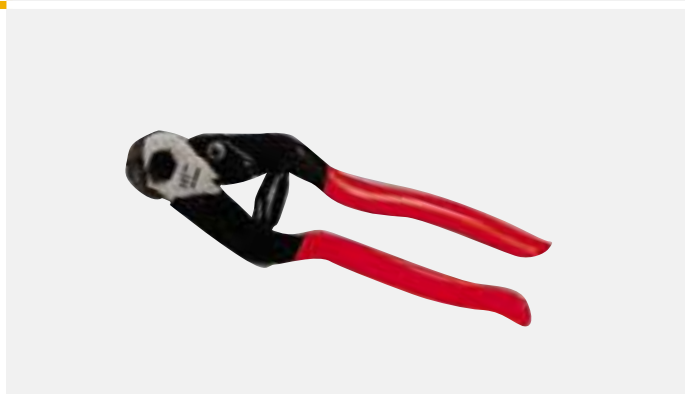
Code	L	Wire Ø	Wgt
AC-200	600	0.6 - 8.0	2.1Kg



**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





### BLIND RIVET NUT HAND TOOL - FAST INSERTION

- For fast insertion of right hand rivet nuts
- Complete with quick threading unit and steel carry case
- Includes full range of nose piece sizes

Code	Range	Wgt
LN-2	M5 - M10	4.7Kg



### REPLACEMENT MANDRELS

- Suitable for use with LN2 & LN3 Blind Rivet Nut Tools

Code	Size	Wgt
LN-M-5	M5	11g
LN-M-6	M6	13g
LN-M-8	M8	18g
LN-M-10	M10	24g
LN-I-1/4	1/4" UNF	14g



### BLIND RIVET NUT HAND TOOL - STANDARD

- For insertion of right hand blind rivet nuts
- Complete with steel carry case
- Includes full range of nose piece sizes

Code	Range	Wgt
LN-3	M5 - M10	4.4Kg



### REPLACEMENT MANDRELS KITS

- Suitable for use with LN2 & LN3 Blind Rivet Nut Tools

Code	Range	Measurement	Wgt
LN-M-SET	M5, M6, M8, M10	Metric	272g
LN-I-SET	3/16", 1/4", 5/16", 3/8"	Imperial	272g



### BLIND RIVET NUT HAND TOOL - MULTIFUNCTION

- For fast insertion of all types of blind rivet nuts
- Installs both left and right hand thread blind rivet nuts
- Includes full range of right hand nose piece sizes
- \*N.B. Left hand mandrels ordered separately

Code	Range	Wgt
HN-2	M4 - M10	1.9Kg



### REPLACEMENT MANDRELS

- Suitable for use with HN2 Blind Rivet Nut Tool

Code	Size	Wgt
HN2-M-04	M4	13g
HN2-M-05	M5	14g
HN2-M-06	M6	19g
HN2-M-06-L	M6 - LHT	19g
HN2-M-08	M8	27g
HN2-M-10	M10	37g



### BLIND RIVET NUT HAND TOOL - LIGHT DUTY

- For insertion of right hand aluminium blind rivet nuts
- Includes full range of nose piece sizes
- Not recommended for stainless steel rivets

Code	Range	Wgt
HN-3	M4 - M6	748g



### REPLACEMENT MANDRELS

- Suitable for use with HN3 Blind Rivet Nut Tool

Code	Size	Wgt
HN3-M-04	M4	33g
HN3-M-05	M5	35g
HN3-M-06	M6	37g



**HN23-KIT - HAND RIVET NUT TOOL KIT**

Pack Contains

- Hand Rivet Nut Tool
- M3 - M6 Threaded Mandrels
- M3 - M6 Nose Pieces
- Service Wrench
- Assorted Aluminium Rivet Nuts (M3 - M6) - 20 of each
- Complete within hard plastic carry case
- WGT - 1.3Kg



**HR11-KIT - HAND POP RIVET TOOL KIT**

Pack Contains

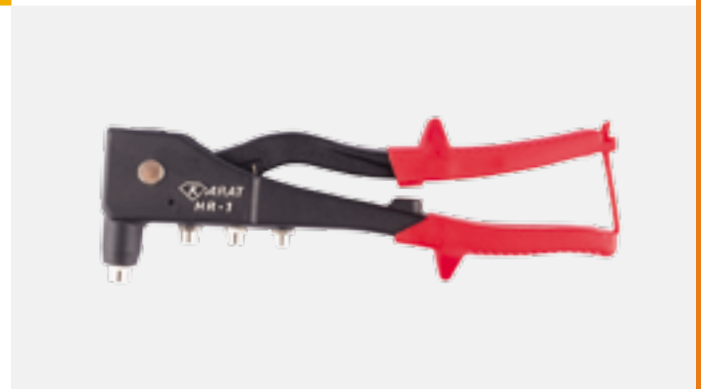
- HR11 Hand Rivet Tool
- Service Wrench
- 4 sizes of aluminium blind rivets 2.4mm - 4.8mm (3/32" - 3/16")
- Complete within hard plastic carry case
- WGT - 1.2Kg



**HAND POP RIVET TOOL - FIXED HEAD**

- Quality pop rivet tool

Code	Range	Wgt
HR1	2.4mm - 4.8mm	590g



**HAND POP RIVET TOOL - SWIVEL HEAD**

- Quality 360° pop rivet tool for those hard to reach areas

Code	Range	Wgt
RHR-360	2.4mm - 4.8mm	722g

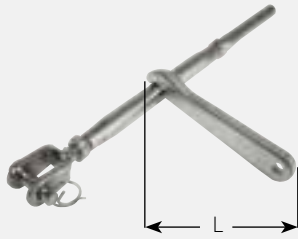


**LEVER TYPE POP RIVET TOOL - PROFESSIONAL HEAVY DUTY**

- Easy to use tool
- Includes full range of nose pieces

Code	Range	Wgt
LR-11	2.4, 3.0/3.2, 4.0, 4.8/5.0mm	722g

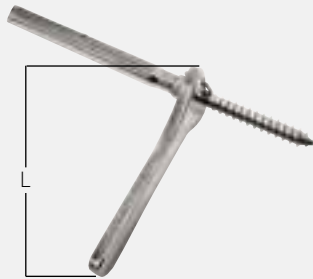




### C SPANNER FOR M5 RIGGING SCREW (Z/P STEEL)

- 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



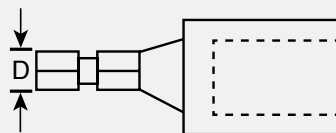
### C SPANNER FOR M6 TERMINALS (Z/P STEEL)

- 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



**Time Saving Investment**



### SOCKET DRIVE FOR LAG SCREWS

- Insert in drill for fast installation of lag screw eyes

Code	D	Suit Lag Screw	Wgt
SD-M6	6.4 A/F	SS-3182-0660	15g
SD-M8	9.0 A/F	SS-3182-0860	48g

**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-MBH-75	Magnetic Bit Holder - 1/4" x 75mm
DB-HDB-05	Hex Driver Bit - 5mm x 50mm
DB-HIB-06	Hex Insert Bit - 6mm x 32mm
DB-PH2-50	Phillips #2 - 50mm
DB-SPWA-8.0	Scotch Patt Wood Auger - 8mm
DB-TBS-8.0	Turbo Bore Spade - 8mm
DB-SQ1IB-25	Square Insert Bit #1 - 5 x 25mm
DB-SQ1DB-50	Square Driver Bit #1 - 5 x 50mm
DB-SQ2DB-50	Square Driver Bit #2 - 5 x 50mm
DB-TXIB-2025	Torx Insert Bit TX20 x 25mm
DB-TXDB-2050	Torx Driver Bit TX20 x 50mm



# SPECIALISED PRODUCTS



## CYNDAN

### 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 contaminates, 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 contaminates. 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.



# AEROSOLS Range

## 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 repellent 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

- Heavy duty cleaner specifically designed to remove tea staining
- Chemically brightens the surface to a "like new" state
- Dangerous Goods – Corrosive Class 8
- Dangerous Goods freight surcharge may apply

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



## STAINLESS STEEL POLISH AEROSOL

- Removes watermarks, finger smudges and conceals surface scratches
- Forms protective monomolecular coating which repels water, soiling, chemical attack and adhesion
- Dangerous Goods – Flammable Class 2
- Dangerous Goods freight surcharge may apply

Code	Size
CYN-SSP-400G	400gram



## STAINLESS STEEL REJUVENATING KITS

- Kit includes – 500g Rejuvenating Paste, 200g Stainless Steel Sentry, Cleaning Pad
- Treats up to 10sqm
- Aerosol can is Dangerous Goods – Flammable Class 3
- Dangerous Goods freight surcharge may apply to aerosol can

Code
CYN-SSRK



## STAINLESS STEEL REJUVENATING PASTE

- Removes corrosion and tea staining on all grades of stainless steel
- Non-abrasive formula
- Designed to be used in conjunction with Stainless Steel Sentry

Code	Size
CYN-SSRP-500G	500g



## STAINLESS STEEL SENTRY

- Contains ultra-protection concentrate Cyndan NANOLON
- Microscopically coats and protects the stainless
- Designed to be used in conjunction with Stainless Steel Rejuvenating Paste
- Aerosol can is Dangerous Goods – Flammable Class 3
- Dangerous Goods freight surcharge may apply to aerosol can

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



## VITROGLAZE DIY KIT

- Protective coating for glass that prevents the build-up of contaminants
- Provides water and oil repellent properties
- Makes glass easier to clean without the need for harsh chemicals
- Aerosol can is Dangerous Goods – Flammable Class 3
- Dangerous Goods freight surcharge may apply to aerosol can

Code
CYN-VDIYK

**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



**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



**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.

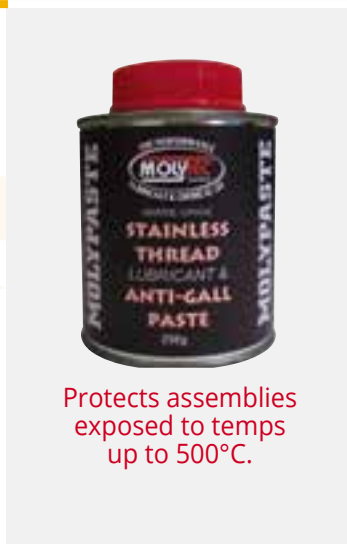
Code	Size
M808	250g Aerosol



**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.

**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



**FLEECE GREASE GOLD - LIQUID**

- Extra strength lubricant for heavy duty applications
- Contains more waxes making for more water resistance
- Leaves a thicker film
- Excellent anti-corrosive protectant and lubricant

Code	Description
M847	750mL
M848	5Ltr
M849	20Ltr



**FLEECE GREASE – AEROSOL**

- Aerosol form of Fleece Grease
- Dries to a fine film
- Water displacer, penetrator and lubricant.
- Provides lanolins famous protection
- For use on ferrous and non-ferrous materials and many other surfaces

Code	Description
M855	350g



# TREX WPC DECKING

## TREX - THE WORLD'S #1 DECKING BRAND

Since 1996, Trex has invented, defined and perfected the composite deck category with a line-up of low-maintenance, high-performance products that fundamentally change the way we live outdoors.



### It's outdoor living, elevated

Trex is the world's #1 decking brand and the inventor of timber-alternative composite decking. From the beginning they've been committed to helping you create a low-maintenance, high-performance garden retreat that can handle the outdoors without depleting them, and will do so for decades. Because your weekends should be spent relaxing on your deck, not repairing it.

### Always green

At Trex, the decking is comprised of 95% recycled materials—namely, recycled timber, sawdust and plastics. This earth-friendly formula, coupled with ground-breaking green processes, makes it hard to find a company more actively aware of its impact on the environment.

### Industry-leading warranty coverage

Trex decks **WILL NOT** rot, warp, peel, or be devoured by termites. Period. In fact, while all of their decking and railing products offer a 25-Year Limited Residential Warranty against material defects, their high-performance lines add an additional layer of coverage with the 25-Year Limited Residential Fade and Stain Warranty.

### Why are TREX® outdoor living products better than timber?

Trex products offer superior durability and performance that you can't get from timber. Trex decking resists termites, won't rot, warp, or splinter and never needs staining or painting. What's more, Trex decking is made from 95% recycled materials, making it an environmentally-friendly choice you can feel great about.

### What is the lifetime value of TREX?

With pressure-treated timber decks, maintenance costs add up over time. Although Trex costs more initially, you'll never have to sand, stain or paint your Trex deck. Over the life of your deck, those reduced maintenance costs add up to a greater value than timber – not to mention the value of all the time you get to spend enjoying your deck rather than working on it.

### Newer-generation high performance TREX decking

Newer-generation Trex Transcend® deck are manufactured with a high-performance shell that wraps around the composite board to protect it from the elements, providing resistance to fading, staining, scratching and mould.

In addition to improved performance, the shell technology offers:

- Easier maintenance: requiring only an occasional cleaning with soap and water or a pressure washer.
- Enhanced aesthetics: richer, long-lasting colour palettes and natural timber grain patterns.
- Incremental warranty protection: a 25-year limited residential fade and stain warranty

### Beyond using recycled materials, what other environmentally-friendly practices does TREX employ?

Trex's manufacturing process recycles factory runoff and refuse back into the manufacturing line. Within their plant, the trailers that carry product run on vegetable-based oil hydraulics. Because of all these environmentally friendly practices, Trex is a member of the USGBC (U.S. Green Building Council) and Trex products contribute to a building's LEED (Leadership in Energy and Environmental Design) points.

### What materials are used in the manufacturing of trex® decks?

Trex decking is made from 95% recycled materials, including reclaimed timber and sawdust as well as recycled plastic from many common household items, such as the plastic overwrap on packaging for paper towels and toilet paper, dry cleaner bags, newspaper bags, grocery and shopping bags. Trex annually salvages and keeps more than 400 million pounds of plastic and timber scrap out of landfills. That makes Trex one of the largest plastic film recyclers in the U.S. In fact, the average 500-square-foot composite Trex deck contains 140,000 recycled plastic bags.



## Will TREX products weather (change colour/fade)?

Newer generation high-performance composites like Trex Transcend® have a protective shell technology that provides superior fade and stain resistance.

## Does TREX decking get hotter than pressure-treated timber under the sun?

On a hot day with a blazing sun, nearly any surface will get uncomfortably hot. Lighter coloured boards tend to be slightly cooler than darker composite boards. In extensive studies, it has been found that the colour of the decking board, regardless if it's made of timber-plastic composite or timber is the most significant factor in the "heat retention" of the board. In these studies, pressure-treated timber stained the same colour as Trex was actually hotter than Trex in the same test conditions.

## Is TREX suitable for use in commercial settings?

The breadth of the Trex line-up means that there are Trex products to suit nearly any residential or commercial need. Trex decking is widely used in commercial and public projects throughout Australia and around the world, ranging from a resort in Coolum, outdoor shopping centre food court in Runaway Bay, seating at Darwin University, decking platform at Southbank (Brisbane) Pool, to a resort

in Dubai, to a pier in Philadelphia and New Jersey-shore boardwalks replacing those destroyed by Hurricane Sandy.

## Can you rip a TREX board?

Trex products should not be ripped to reduce thickness, but can be ripped to reduce width. As long as the board can still be installed per the installation instructions, the warranty will be valid. Please use care when fastening ripped boards, as pre-drilling may be necessary.

## Can I paint or stain my TREX boards?

The unyielding shell of their Trex Transcend high-performance decking means it never needs painting or staining. The rich colour and protective finish are engineered right into the shell, and are warranted to remain free of rotting, splitting, splintering and insect damage for 25 years.

## Can TREX decking be sanded or power washed?

Trex should never be sanded. Sanding will change the appearance and protective qualities of the Trex material and will void the warranty with respect to any condition caused by sanding. Trex Transcend high-performance decking can be power washed. Use only a fan tip and up to a 3100 psi power washer to remove soil and debris. The fan tip should be no closer than 8 inches (20.4 cm) away from the protective shell during use.





### TIKI TORCH

Code	Description	Sold By	Material	Width	Thickness	Length	Weight
TR-TT-G-4.88	Grooved Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-TT-G-6.10	Grooved Edge Board	Lth	WPC	139.7	25.4	6100	23
TR-TT-S-4.88	Square Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-TT-F-3.66	Facia Board	Lth	WPC	184.2	19	3660	14



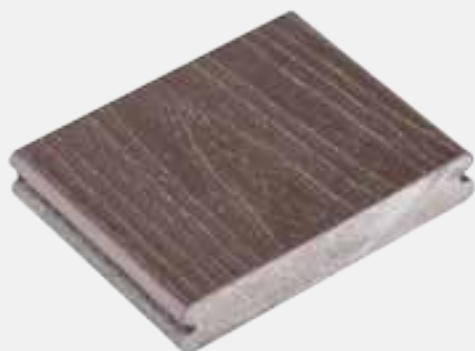
### HAVANA GOLD

Code	Description	Sold By	Material	Width	Thickness	Length	Weight
TR-HG-G-4.88	Grooved Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-HG-G-6.10	Grooved Edge Board	Lth	WPC	139.7	25.4	6100	23
TR-HG-S-4.88	Square Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-HG-F-3.66	Facia Board	Lth	WPC	184.2	19	3660	14



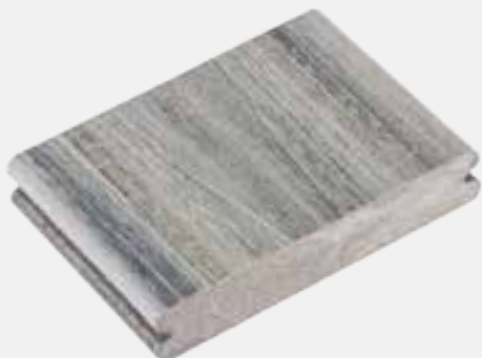
### SPICED RUM

Code	Description	Sold By	Material	Width	Thickness	Length	Weight
TR-SR-G-4.88	Grooved Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-SR-G-6.10	Grooved Edge Board	Lth	WPC	139.7	25.4	6100	23
TR-SR-S-4.88	Square Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-SR-F-3.66	Facia Board	Lth	WPC	184.2	19	3660	14



### LAVA ROCK

Code	Description	Sold By	Material	Width	Thickness	Length	Weight
TR-LR-G-4.88	Grooved Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-LR-G-6.10	Grooved Edge Board	Lth	WPC	139.7	25.4	6100	23
TR-LR-S-4.88	Square Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-LR-F-3.66	Facia Board	Lth	WPC	184.2	19	3660	14



### ISLAND MIST

Code	Description	Sold By	Material	Width	Thickness	Length	Weight
TR-IM-G-4.88	Grooved Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-IM-G-6.10	Grooved Edge Board	Lth	WPC	139.7	25.4	6100	23
TR-IM-S-4.88	Square Edge Board	Lth	WPC	139.7	25.4	4880	18
TR-IM-F-3.66	Facia Board	Lth	WPC	184.2	19	3660	14

**HIDDEN FASTENER - STARTER CLIP**

- Used on the outside edge board
- Placed on every joist
- Connects one side of the board only
- Approximate usage of 2.5/lm

Code	Description	Sold By	Sub - Structure
TR-SC-T	Starter Clip	Ea	Timber
TR-SC-T-36	Starter Clip	Packet - 36pcs	Timber
TR-SC-M	Starter Clip	Ea	Metal
TR-SC-M-36	Starter Clip	Packet - 36pcs	Metal

**HIDDEN FASTENER - STARTER CLIP**

- Used to connect two boards together
- Placed on every joist
- Approximate usage of 20/m<sup>2</sup>

Code	Description	Sold By	Sub - Structure
TR-CC-T	Connector Clip	Ea	Timber
TR-CC-T-90	Connector Clip	Box - 90pcs	Timber
TR-CC-T-900	Connector Clip	Bucket - 900pcs	Timber
TR-CC-M	Connector Clip	Ea	Metal
TR-CC-M-90	Connector Clip	Box - 90pcs	Metal

**COLOUR CODED SCREWS**

- Stainless Steel colour coded heads
- Torx 20 drive type

Code	Description	Colour Match	Packet Qty	25mm Insert Bit Included	Sub - Structure
TR-DS-TT	Light Brown	Tiki Torch	Ea	No	Timber
TR-DS-TT-100	Light Brown	Tiki Torch	100	Yes	Timber
TR-DS-TT-350	Light Brown	Tiki Torch	350	Yes	Timber
TR-DS-TT-1750	Light Brown	Tiki Torch	1750	Yes	Timber
TR-DS-TT-M	Light Brown	Tiki Torch	Ea	No	Metal
TR-DS-TT-M-100	Light Brown	Tiki Torch	100	Yes	Metal
TR-DS-HG	Light Brown	Havana Gold	Ea	No	Timber
TR-DS-HG-100	Light Brown	Havana Gold	100	Yes	Timber
TR-DS-HG-350	Light Brown	Havana Gold	350	Yes	Timber
TR-DS-HG-1750	Light Brown	Havana Gold	1750	Yes	Timber
TR-DS-HG-M	Light Brown	Havana Gold	Ea	No	Metal
TR-DS-HG-M-100	Light Brown	Havana Gold	100	Yes	Metal
TR-DS-DB	Dark Brown	Spiced Rum, Lava Rock	Ea	No	Timber
TR-DS-DB-100	Dark Brown	Spiced Rum, Lava Rock	100	Yes	Timber
TR-DS-DB-350	Dark Brown	Spiced Rum, Lava Rock	350	Yes	Timber
TR-DS-DB-1750	Dark Brown	Spiced Rum, Lava Rock	1750	Yes	Timber
TR-DS-DB-M	Dark Brown	Spiced Rum, Lava Rock	Ea	No	Metal
TR-DS-DB-M-100	Dark Brown	Spiced Rum, Lava Rock	100	Yes	Metal
TR-DS-GR	Grey	Island Mist	Ea	No	Timber
TR-DS-GR-100	Grey	Island Mist	100	Yes	Timber
TR-DS-GR-350	Grey	Island Mist	350	Yes	Timber
TR-DS-GR-1750	Grey	Island Mist	1750	Yes	Timber
TR-DS-GR-M	Grey	Island Mist	Ea	No	Metal
TR-DS-GR-M-100	Grey	Island Mist	100	Yes	Metal

**DECK SCREW DEPTH SETTER**

- Perfectly set screws every time

Code	Sold By
TR-DSDS	Ea



# URBAN TURF



**Synthetic grass has come a long way in the last decade, as has the demand for an alternative to natural lawn during recent water shortages.**

Urban Turf Solutions have responded to this changing market to create the most real to life artificial turf available in Australia. Not only does it look the part and add value to your home it also feels like natural grass underfoot, all without impacting on your water consumption.

Urban's landscaping turf lines are all made using UV stabilised yarns to create glass blades that actually feel like real grass! The backing is then applied to the weave creating a water resistant, shock resistant bond.

The Urban Turf Solutions landscape range has been designed to suit today's modern lifestyle providing a luxury surface that adds to the value of your home.

## **So contact AWR Solutions today if you want synthetic turf that:**

- Is manicured and that feels and looks great all year long;
- Is suitable for our harsh climate which doesn't require mowing or watering;
- Drains and wears better than natural grass (no bare patches of dirt even with constant use);
- Reduces allergy triggering pollens;
- Reduces infesting insects such as ants and the lawn beetle;
- Is easy to clean, plus eliminates dirt and grass clippings in the pool and house; and
- Is pet and children friendly
- Comes with a 7 year manufacturer's warranty protecting the consumer's product against UV protection failure, manufacturer's workmanship, primary and secondary backing failure and unreasonable product deterioration under normal usage circumstances.



Before



After

## **Why Choose AWR and Urban Turf Solutions**

### **1. Urban Turf Solutions specialise in fake grass - it's all they do!**

### **2. For the latest designs and technology.**

Urban Turf Solutions pride themselves on being the innovators when it comes to the research, development and manufacture of synthetic grass surfaces. Their experienced team have worked with landscape artists and designers to create the most real to life artificial grass available. They source the best raw materials from around the world to create their turf, ensuring quality and durability once laid.

### **3. For the best product on the market.**

Don't get caught out with lower quality products which won't last the distance. Cheap imported turf products can fade quickly and lose their bounce. At Urban Turf Solutions they control the whole production process, from initial concept to production, distribution and installation, ensuring the highest quality standards are maintained.

All of their products are manufactured using state of the art, UV stabilised materials to protect against fading and deterioration in harsh climates. Their specialised yarn has been created with a soft yet robust yarn which feels really great and looks naturally green all year round. Their surfaces also come with a manufacturer's warranty, giving you peace of mind.

### **4. Urban Turf are proudly Australian owned and manufactured**

Urban Turf Solutions is proudly Australian owned and their synthetic grass surfaces are made at their state of the art factory. While some turf suppliers in Australia offer cheap imported surfaces, you can be assured with Urban Turf Solutions you will receive a top class locally made surface designed for our specific environment by their production team.

**EVERLAWN**

- 40mm Pile, Multi Green / Tan in colour
- 100% Homo-Polymer, Polyethylene and U.V. Protected
- Infill with washed and dried silica sand

Code	Material	Stitches per/sqm	Pile Height	Pile Length	Width	Sand Infill Rate	Shipping Weight	Sold By
UT-EVE-40-R	Landscape/Commercial Turf	13,650	40mm	87mm	3.71 mtrs	12-15 Kg/m2	9.5 Kg/LM	Roll
UT-EVE-40-LM	Landscape/Commercial Turf	13,650	40mm	87mm	3.71 mtrs	12-15 Kg/m2	9.5 Kg/LM	Per / L mtr



**WINDSOR**

- 35mm Pile, Multi Green / Tan in colour
- 100% Homo-Polymer, Polyethylene and Polypropylene, U.V. Protected
- Infill with washed and dried silica sand

Code	Material	Stitches per/sqm	Pile Height	Pile Length	Width	Sand Infill Rate	Shipping Weight	Sold By
UT-WIN-35-R	Landscape/Commercial Turf	16,800	35mm	77mm	3.71 mtrs	10-12 Kg/m2	8.3 Kg/LM	Roll
UT-WIN-35-LM	Landscape/Commercial Turf	16,800	35mm	77mm	3.71 mtrs	10-12 Kg/m2	8.3 Kg/LM	Per / L mtr



**ASCOT**

- 25mm Pile, Multi Green / Tan in colour
- 100% Homo-Polymer, Polyethylene and Polypropylene, U.V. Protected
- Infill with washed and dried silica sand

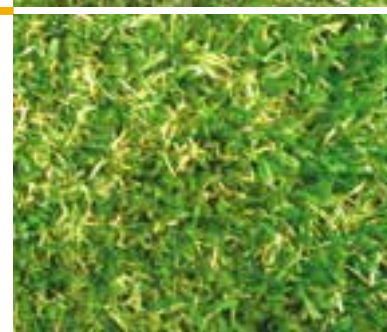
Code	Material	Stitches per/sqm	Pile Height	Pile Length	Width	Sand Infill Rate	Shipping Weight	Sold By
UT-ASC-25-R	Landscape/Commercial Turf	14,700	25mm	57mm	3.71 mtrs	6-8 Kg/m2	7 Kg/LM	Roll
UT-ASC-25-LM	Landscape/Commercial Turf	14,700	25mm	57mm	3.71 mtrs	6-8 Kg/m2	7 Kg/LM	Per / L mtr



**FB LANDSCAPE**

- 30mm Pile, Lawn Green / Tan in colour
- 100% Homo-Polymer, Polyethylene and Polypropylene, U.V. Protected
- Infill with washed and dried silica sand

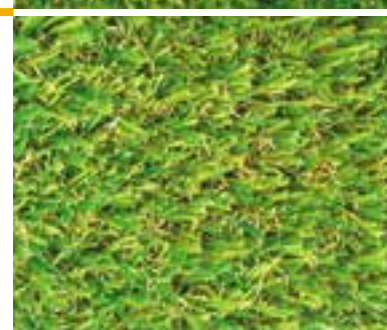
Code	Material	Stitches per/sqm	Pile Height	Pile Length	Width	Sand Infill Rate	Shipping Weight	Sold By
UT-FBL-30-R	Landscape/Sport Turf	13,650	30mm	67mm	3.71 mtrs	10 Kg/m2	8.8 Kg/LM	Roll
UT-FBL-30-LM	Landscape/Sport Turf	13,650	30mm	67mm	3.71 mtrs	10 Kg/m2	8.8 Kg/LM	Per / L mtr



**OASIS**

- 30mm Pile, Multi Green / Dark Brown in colour
- 100% Homo-Polymer, Polyethylene and Polypropylene, U.V. Protected
- Infill with washed and dried silica sand

Code	Material	Stitches per/sqm	Pile Height	Pile Length	Width	Sand Infill Rate	Shipping Weight	Sold By
UT-OAS-30-R	Landscape Turf	16,275	30mm	67mm	3.71 mtrs	10-12 Kg/m2	9 Kg/LM	Roll
UT-OAS-30-LM	Landscape Turf	16,275	30mm	67mm	3.71 mtrs	10-12 Kg/m2	9 Kg/LM	Per / L mtr



**TURF ACCESSORIES**

Code	Description	Size	Sold By
UT-GLUE-20L	Adhesive Glue	20 Ltrs	Pail
UT-JT	Joining Tape	300mm Wide	150Mtr Roll
UT-JT-LM	Joining Tape	300mm Wide	L/Mtr



## 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 98 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 91). 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 98 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 98) can be used with your electric drill to help install the lag screws and a “C-Spanner” (page 98) 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 98) and C-Spanners (page 98) available that will help with installation of these systems but are not a requirement for installation. We also carry a range of fasteners (page 91) and drill bits (page 99) should you require any additional items.

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

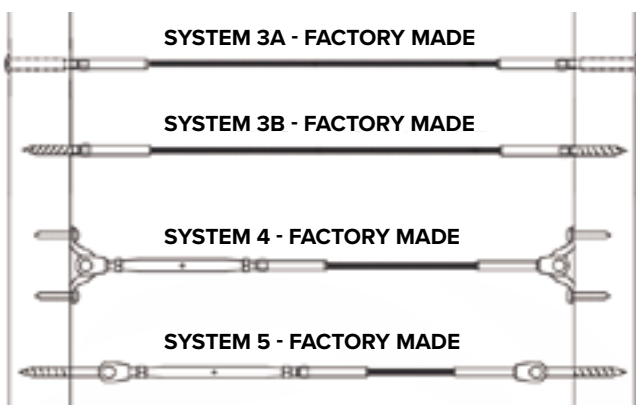
Purchase Order No.: \_\_\_\_\_

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

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

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

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

System Required (Please Tick) : <input type="checkbox"/> 3A <input type="checkbox"/> 3B <input type="checkbox"/> 4 <input type="checkbox"/> 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		
<b>Office Use Only</b> Acc No.: _____ Sales Order No.: _____		

Unit 5 / 23 Alexandra Place, Murarrie Qld 4172

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

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



Manufactured Pre-fabricated post,  
see page 52–71 for more information



**for more information**

Proudly Distributed By: