

PRODUCT CATALOGUE

quality products • right price & best advice

AUSTRALIAN
WIRE ROPE
& ACCESSORIES



Australian Wire Rope are proud distributors of...



- structural cables
- structural rod
- balustrade & railing cables

MILLENNIUM
featurestone

timeless elegance in featurestone...
www.featurestone.com



DIVERSE
GLASS
POOL FENCING
& BALUSTRADES

SERVICE OVERVIEW

About Our Company

Australian Wire Rope and Accessories is a family owned and operated business supplying the retail, trade and 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 a bandsaw 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)..

CATALOGUE USAGE

How to Use This Catalogue

This catalogue has been Produced and Designed by the staff at Australian Wire Rope and Accessories, with thanks to D Dot Design. 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
- Marine Hardware
- Chains
- Tube and Handrail Fittings
- Fasteners
- Cleaners / Protectants
- Stainless Steel Hardware
- Galvanised Hardware
- Slings / Tie Down Straps
- Pool Fence and Glass Fittings
- Specialised Tools
- Pre-fabricated Posts

How to Order

Please contact us for further information on how to order these products and we can organise for you to receive your own **AWRA** Pricelist.

Please note that pricing, delivery charges, terms of payment and returns policies are all available when contacting **AWRA**.

Email: sales@australianwirerope.com.au

Address: 12 Steel Place, Morningside Qld 4170

Phone: 07 3902 2660 Fax: 07 3902 2666

Website: www.australianwirerope.com.au

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 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 Polinox protective products will help maintain the clean fresh look.

More information on these products can be found on pages 76 -79.

Corrosion Definition

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

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BALUSTRADING TERMINATIONS

Refer page 56 for intermediate posts.



Wire rope looks great with handrail setups for modern decks + fencing applications

WIRE ROPE 1X19 CONSTRUCTION AISI 316 (MARINE GRADE)

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

Code	Wire Ø	B/S	305M Reel	1000M Reel	Cut Lgths	Wgt/Reel (305M)
WRS/119/316-01	1.0	81	Yes	-	Yes	1.6Kg
WRS/119/316-012	1.2	126	Yes	-	Yes	2.5Kg
WRS/119/316-016	1.6	182	Yes	-	Yes	4.0Kg
WRS/119/316-02	2.0	323	Yes	-	Yes	6.2Kg
WRS/119/316-025	2.5	504	Yes	-	Yes	9.7Kg
WRS/119/316-032	3.2	848	Yes	Yes	Yes	15.9Kg
WRS/119/316-04	4.0	1294	Yes	-	Yes	24.9Kg
WRS/119/316-05	5.0	2019	Yes	-	Yes	38.9Kg
WRS/119/316-06	6.0	2910	Yes	-	Yes	56.0Kg
WRS/119/316-08	8.0	5044	Yes	-	Yes	97.0Kg
WRS/119/316-100	10.0	7070	Yes	-	Yes	151.0Kg

WIRE ROPE 7X7 CONSTRUCTION AISI 316 (MARINE GRADE)

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

Code	Wire Ø	B/S	305M Reel	1000M Reel	Cut Lgths	Wgt/Reel (305M)
WRS/77/316-006	0.6	20.7	Yes	-	Yes	0.5Kg
WRS/77/316-008	0.8	35.4	Yes	-	Yes	0.8Kg
WRS/77/316-010	1.0	52.5	Yes	-	Yes	1.3Kg
WRS/77/316-012	1.2	79.5	Yes	-	Yes	1.9Kg
WRS/77/316-016	1.6	124.0	Yes	Yes	Yes	2.9Kg
WRS/77/316-02	2.0	221.0	Yes	-	Yes	5.2Kg
WRS/77/316-025	2.5	345.0	Yes	-	Yes	8.1Kg
WRS/77/316-032	3.2	710.0	Yes	Yes	Yes	13.1Kg
WRS/77/316-04	4.0	884.0	Yes	Yes	Yes	20.5Kg
WRS/77/316-05*	5.0	1381.0	Yes	Yes	Yes	32.1Kg
WRS/77/316-06*	6.0	1989.0	Yes	-	Yes	46.2Kg
WRS/77/316-08*	8.0	3537.0	Yes	-	Yes	82.0Kg
WRS/77/316-100*	10.0	5517.0	Yes	-	Yes	129.0Kg
WRS/77/316-120*	12.0	7948.0	Yes	-	Yes	184.5Kg

WIRE ROPE 7X19 CONSTRUCTION AISI 316 (MARINE GRADE)

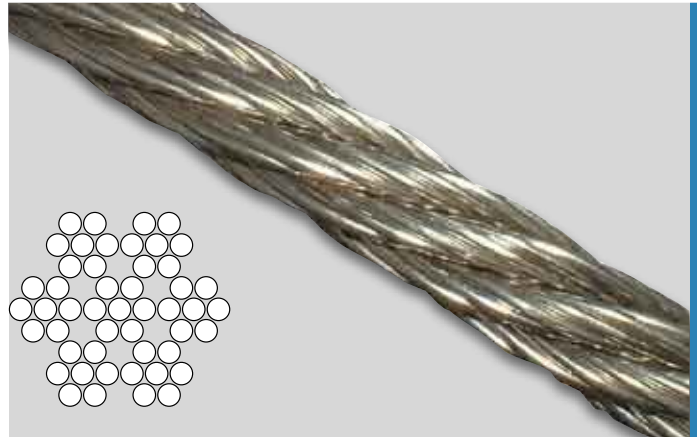
- Highly flexible wire, suitable for running rigging, control cables, cranes and winches
- Easiest wire to hand swage

Code	Wire Ø	B/S	305M Reel	1000M Reel	Cut Lgths	Wgt/Reel (305M)
WRS/719/316-016	1.6	118	Yes	-	Yes	2.9Kg
WRS/719/316-02	2.0	204	Yes	-	Yes	5.0Kg
WRS/719/316-025	2.5	319	Yes	-	Yes	7.9Kg
WRS/719/316-032	3.2	710	Yes	Yes	Yes	12.8Kg
WRS/719/316-04	4.0	817	Yes	Yes	Yes	20.1Kg
WRS/719/316-05	5.0	1276	Yes	-	Yes	31.3Kg
WRS/719/316-06	6.0	1837	Yes	-	Yes	45.1Kg
WRS/719/316-08	8.0	3263	Yes	-	Yes	80.1Kg
WRS/719/316-100	10.0	5106	Yes	-	Yes	125.1Kg
WRS/719/316-120	12.0	7350	Yes	-	Yes	180.1Kg

WIRE ROPE 7X7 CONSTRUCTION AISI 304

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

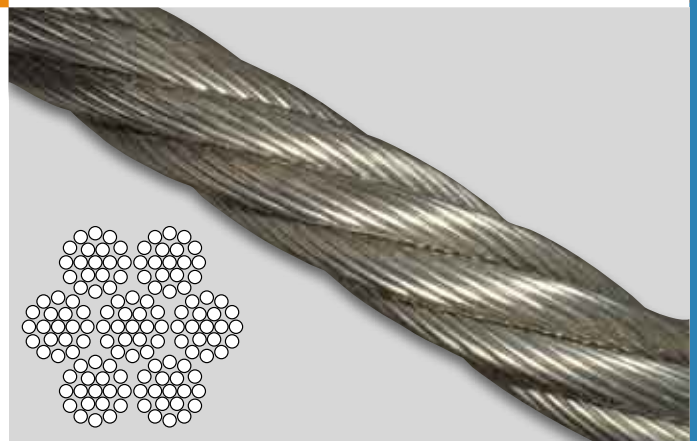
Code	Wire Ø	B/S	305M Reel	1000M Reel	Cut Lgths	Wgt/Reel (305M)
WRS/77/304-012	1.2	89	Yes	-	Yes	1.9Kg
WRS/77/304-016	1.6	139	Yes	Yes	Yes	2.9Kg
WRS/77/304-032	3.2	798	Yes	Yes	Yes	13.1Kg
WRS/77/304-04	4.0	990	Yes	-	Yes	20.5Kg



WIRE ROPE 7 X 19 CONSTRUCTION AISI 304

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

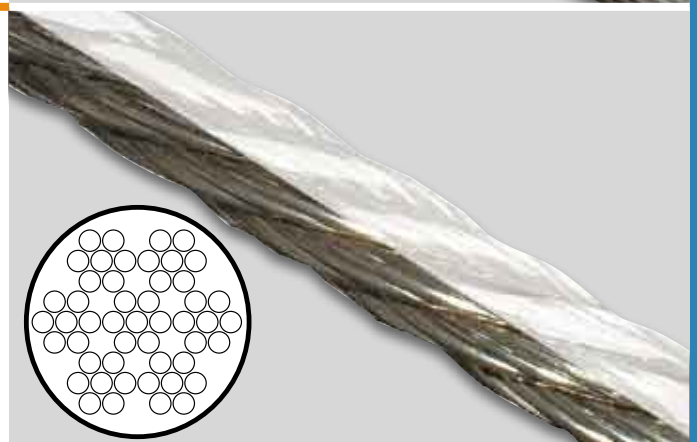
Code	Wire Ø	B/S	305M Reel	Cut Lgths	Wgt/Reel
WRS/719/304-032	3.2	518	Yes	Yes	12.8Kg
WRS/719/304-04	4.0	921	Yes	Yes	20.1Kg
WRS/719/304-05	5.0	1440	Yes	Yes	31.3Kg
WRS/719/304-06	6.0	2077	Yes	Yes	45.1Kg
WRS/719/304-08	8.0	3685	Yes	Yes	80.1Kg



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

- PVC coated wire – clear finish (white still available while stocks last)
- Suits safety lines, light industry and architectural applications

Code	Wire Ø	Total Ø	B/S	305M Reel	Cut Lgths	Wgt/Reel
WRS/77/PW-008	0.8	2.4	35.4	Yes	Yes	0.8Kg
WRS/77/PW-015	1.5	3.5	124.0	Yes	Yes	2.9Kg
WRS/77/PW-02	2.0	4.0	221.0	Yes	Yes	5.1Kg
WRS/77/PW-025	2.5	4.5	345.0	Yes	Yes	8.2Kg
WRS/77/PW-032	3.2	5.2	710.0	Yes	Yes	13.3Kg
WRS/77/PW-04	4.0	6.0	884.0	Yes	Yes	28.5Kg
WRS/77/PW-05	5.0	7.0	1381.0	Yes	Yes	44.0Kg



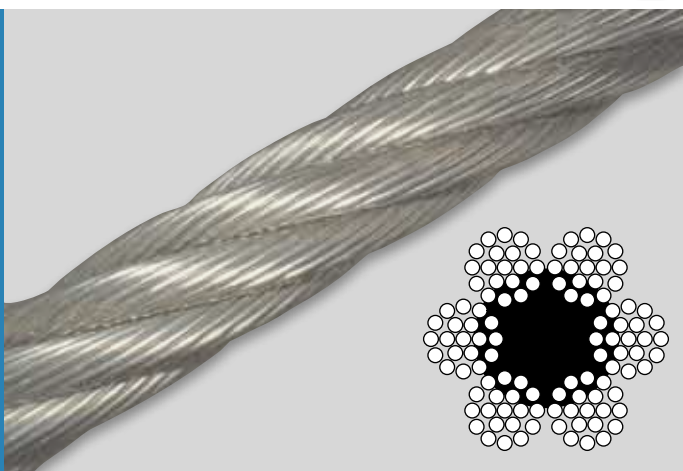
LOCKING WIRE (TIE WIRE) STAINLESS STEEL AISI 304

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

Code	Size	Lgth
WR-234664	0.20" (0.5)	283m
WR-234699	0.25" (0.75)	181m
WR-469602	0.32" (0.9)	110m
WR-234737	0.41" (1.1)	67m
WR-234761	0.51" (1.3)	43.5m



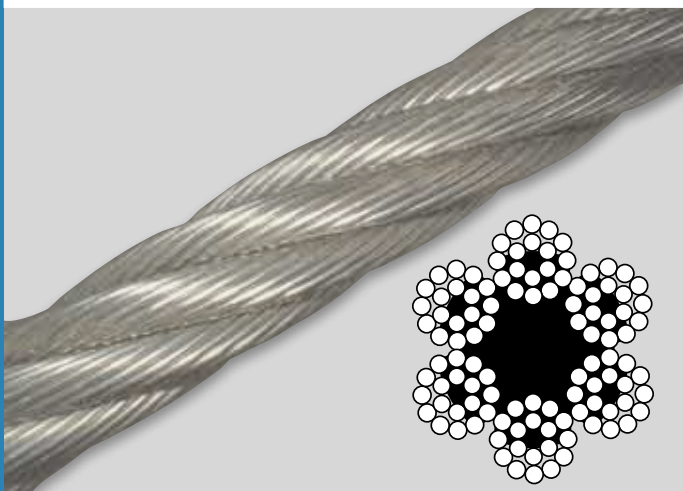
Quality Korean made stainless steel wire rope products
Mill & Test Reports available on request
Alternate sizes and lengths available on request



WIRE ROPE 6 X 19 FIBRE CORE GALVANISED GRADE 1570

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

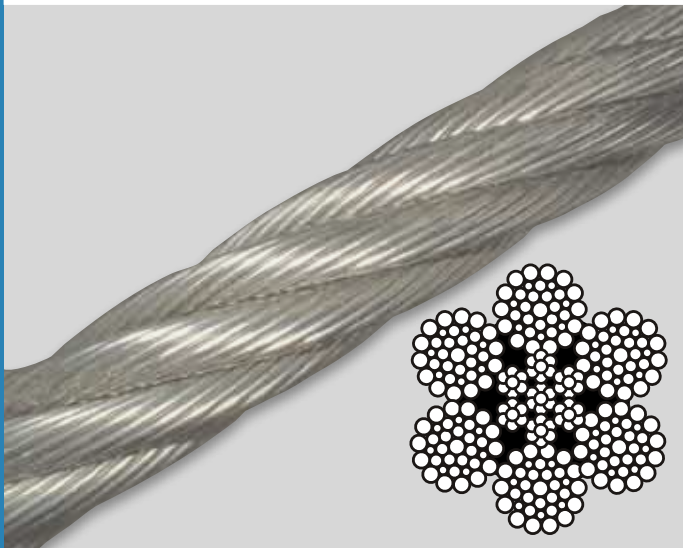
Code	Size Ø	MBS kN	Mass/100m
WRG619FC-030	3.0	4.26	3.1
WRG619FC-035	3.5	5.8	4.2
WRG619FC-040	4	7.7	5.5
WRG619FC-050	5	12.0	8.6
WRG619FC-060	6	17.6	12.4
WRG619FC-070*	7	23.4	16.9
WRG619FC-080	8	30.9	22.1
WRG619FC-090*	9	39.1	28.0
WRG619FC-100	10	48.2	34.6



WIRE ROPE 6 X 24 FIBRE CORE GALVANISED GRADE 1570

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

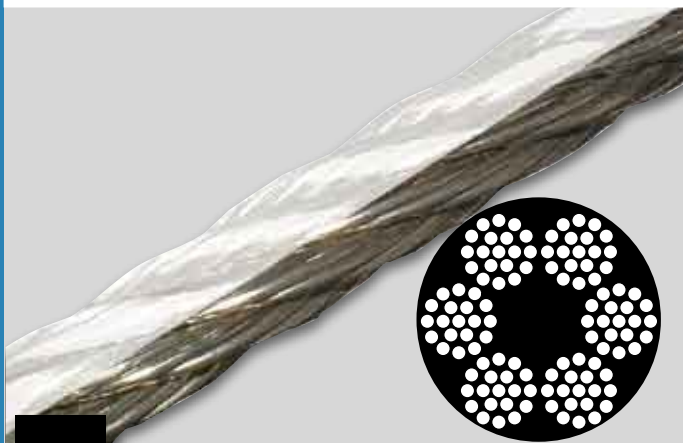
Code	Size Ø	MBS kN	Mass/100m
WRG624FC-060*	6	15.8	11.4
WRG624FC-080*	8	28.2	20.4
WRG624FC-100	10	44.0	31.8
WRG624FC-120	12	63.3	45.8
WRG624FC-130	13	74.3	53.8
WRG624FC-140	14	86.2	62.4
WRG624FC-160	16	113	81.5
WRG624FC-180	18	143	103
WRG624FC-200	20	176	127
WRG624FC-220	22	213	154
WRG624FC-240	24	253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



WIRE ROPE 6 X 36SW + IWRC GALVANISED GRADE 1770

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

Code	Size Ø	MBS kN	Mass/100m
WWRG636IWRC-09*	9	51.5	33.9
WRG636IWRC-10*	10	63.1	43
WRG636IWRC-11*	11	76.3	52
WRG636IWRC-12*	12	90.8	62
WRG636IWRC-13	13	107	73
WRG636IWRC-14	14	124	84.3
WRG636IWRC-16	16	161	110
WRG636IWRC-18	18	204	138
WRG636IWRC-20	20	252	167
WRG636IWRC-22	22	305	202
WRG636IWRC-24	24	363	240.5
WRG636IWRC-26	26	426	282.2
WRG636IWRC-28	28	494	327.3
WRG636IWRC-32	32	646	427.5



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

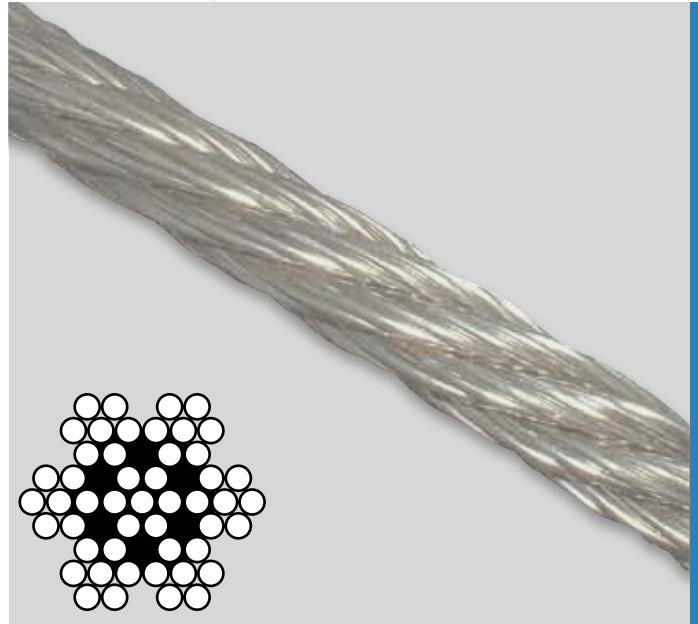
- Applications - General purpose, marine, architectural, external, stage/theatre, wherever PVC coating is required
- Reasonably Flexible Fibre Core Rope
- Standard colour is Blue, also available in Red, Green, White, Black, Clear, Yellow & Orange by request
- Available in 500m & 1000m rolls or cut to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

Code	Core Ø	PVC Ø	MBS kN	Mass/100m
WRG619PVC-035*	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 7 GALVANISED GRADE 1570

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

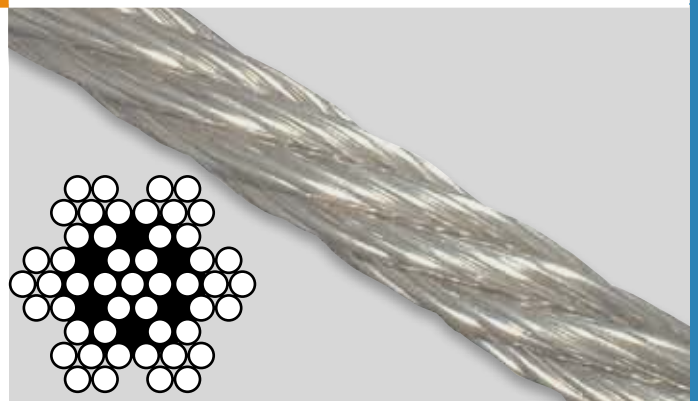
Code	Size Ø	MBS kN	Mass/100m
WRG77IWRC-01.6	1.6	1.73	1.26
WRG77IWRC-02	2	2.3	1.6
WRG77IWRC-02.5	2.5	3.14	3.0
WRG77IWRC-03	3	5.2	3.6
WRG77IWRC-04	4	9.2	6.3
WRG77IWRC-05	5	14.3	9.9
WRG77IWRC-06	6	20.6	14.3
WRG77IWRC-07	7	28.2	19.7
WRG77IWRC-08	8	36.0	25.2
WRG77IWRC-09	9	45.7	32
WRG77IWRC-10	10	56.2	39.2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



WIRE ROPE 7 X 7 GALVANISED GRADE 2070

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

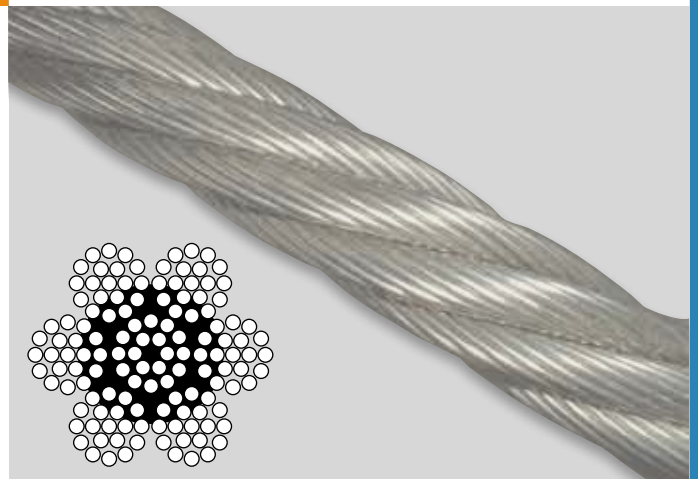
Code	Size Ø	MBS kN	Mass/100m
WRG77IWRCIW-05	5	18.8	9.9
WRG77IWRCIW-06	6	27.1	14.3
WRG77IWRCIW-07	7	37.1	19.7
WRG77IWRCIW-08	8	47.4	25.2
WRG77IWRCIW-09	9	60.2	32
WRG77IWRCIW-10	10	74.5	39.2
WRG77IWRCIW-11*	11	89.0	47.5
WRG77IWRCIW-12*	12	103	56.7



WIRE ROPE 7 X 19 GALVANISED GRADE 2070

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

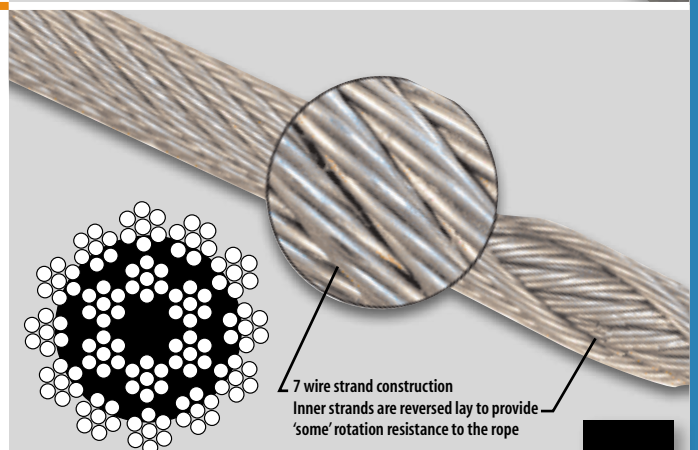
Code	Size Ø	MBS kN	Mass/100m
WRG719IWRC-03*	3.0	7.8	3.68
WRG719IWRC-03.2	3.2	8.9	4.2
WRG719IWRC-04	4	11.2	6.1
WRG719IWRC-05	5	17.4	9.5
WRG719IWRC-06	6	25.4	13.7
WRG719IWRC-08	8	43.9	24.4
WRG719IWRC-09	9	55.6	30.8
WRG719IWRC-10	10	68.6	38.1
WRG719IWRC-11*	11	83.2	46.1
WRG719IWRC-12*	12	98.9	54.8



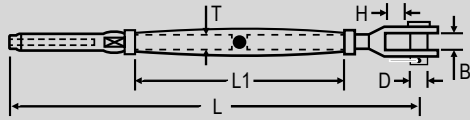
WIRE ROPE 18 X 7FC NON ROTATING GALVANISED GRADE 2070

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

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



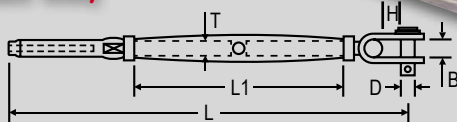
Use in conjunction with CSPAN-RS-M5 (Specialised Tools)



RIGGING SCREW JAW + SWAGE W/LOCK NUTS AISI 316

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

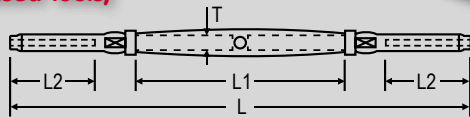
Use in conjunction with CSPAN-RS-M5 (Specialised Tools)



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 (Specialised Tools)

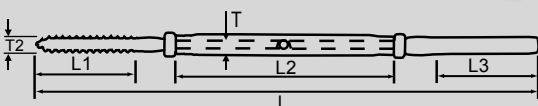


RIGGING SCREW SWAGE + SWAGE W/LOCK NUTS AISI 316

• 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 for installation (Specialised Tools)

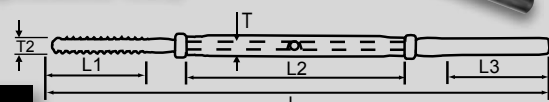


RIGGING SCREW LAG + SWAGE W/LOCK NUTS AISI 316

• 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-1 (Specialised Tools)



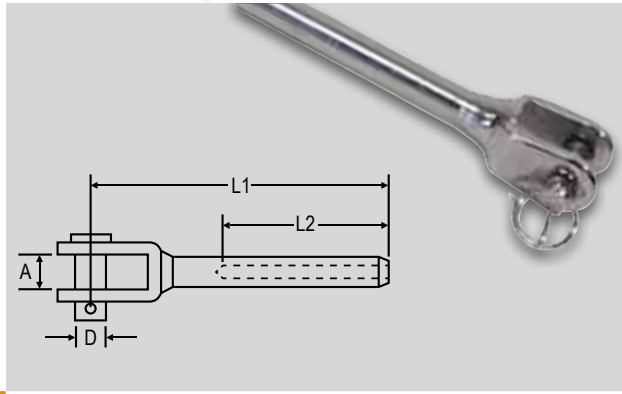
RIGGING SCREW SWAGE + STUD

• 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

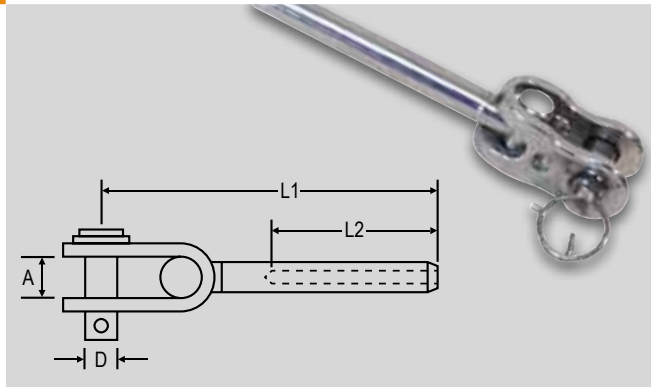
FORK TERMINAL SWAGE AISI 316

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
SS-7803-04	4.0	9.5	6	77	40	450	1800	30g
SS-7803-05	5.0	10.0	8	88	57	663	2650	68g
SS-7803-06	6.0	14.0	12	106	63	1000	4000	112g
SS-7803-08	8.0	15.0	14	145	85	1813	7250	292g
SS-7803-10	10.0	22.0	14	149	89	2100	8400	351g



FORK TERMINAL TOGGLE SWAGE AISI 316

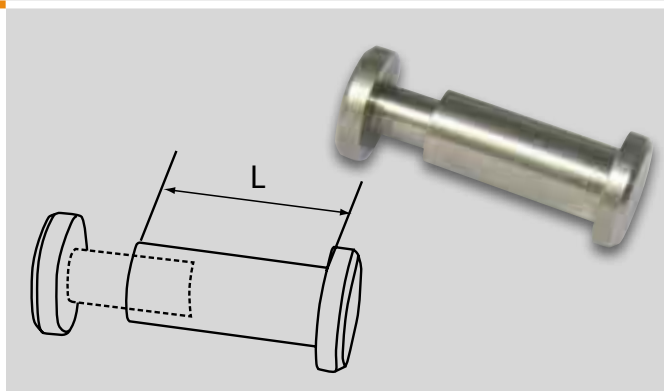
Code	Rope Ø	A	D	L1	L2	RWL	TDL	Wgt
SS-7805-032	3.2	7	6	75	38	168	670	30g
SS-7805-04	4.0	10	8	89	45	350	1400	58g
SS-7805-05	5.0	12	9	104	51	425	1700	102g
SS-7805-06	6.0	13	12	127	64	1000	4000	172g
SS-7805-08	8.0	17	16	163	76	1750	7000	504g
SS-7805-10	10.0	20	18	184	89	1875	7500	642g



STAINLESS STEEL HAER PINS

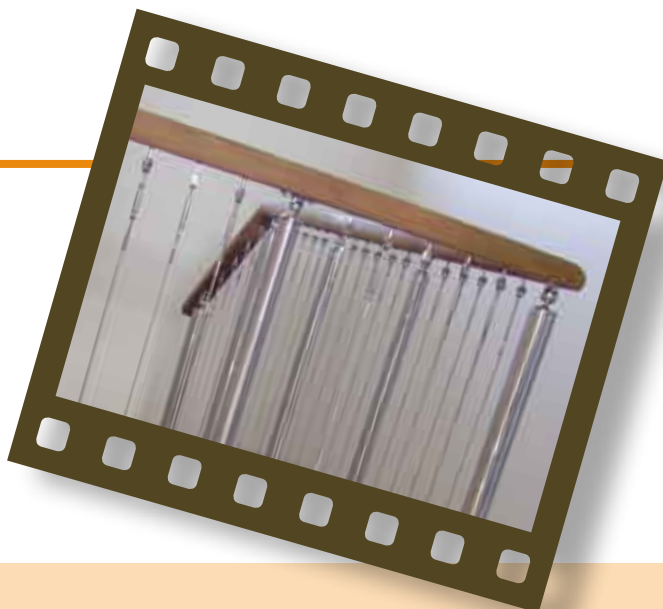
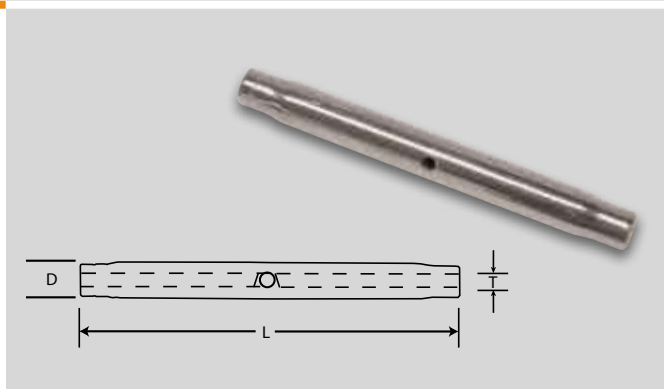
- Ideal for tamperproof applications
- Public places where vandalism may be a problem

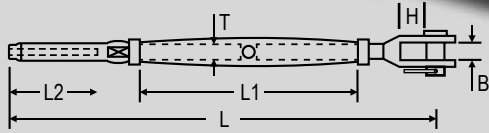
Code	Size	Lgths	Suit
SS-HP-05	M5	11	SS-7803-03, SS-312T-53
SS-HP-06	M6	13	SS-312T-632/64, SS-7803-04



BODY ONLY RIGGINGS SCREW AISI 316

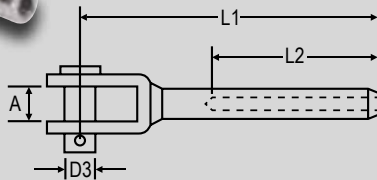
Code	T	D	L	Wgt
SS-312B-05	M5	8	80	16g
SS-312B-06	M6	10	95	28g
SS-312B-08	M8	13	105	68g
SS-312B-10	M10	17	125	82g





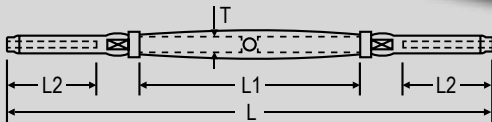
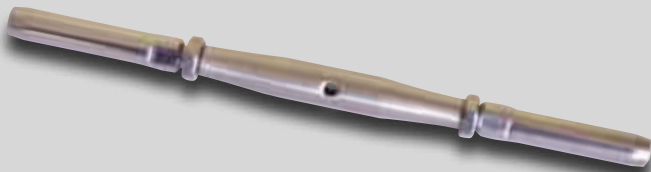
RIGGING SCREW JAW+SWAGE MINI TYPE AISI 316

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



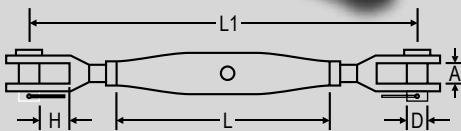
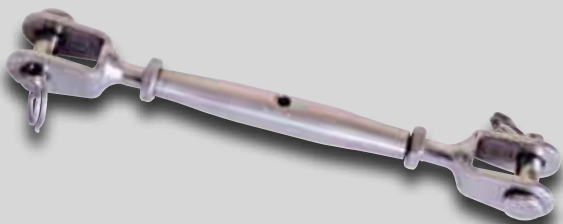
FORK TERMINAL SWAGE MINI TYPE AISI 316

Code	Rope Ø	A	D3	L1	L2	RWL	TDL	Wgt
SS-7803M-032	3.2	7.5	5	48	24	250	1000	18g



RIGGING SCREW SWAGE + SWAGE MINI TYPE AISI 316

Code	Rope Ø	T	L	L1	L2	RWL	TDL	Wgt
SS-312TTM-532	3.2	M5	125	50	27	250	1000	26g



RIGGING SCREW JAW + JAW MINI TYPE AISI 316

• A smaller fitting suitable for shorter balustrading runs

Code	T	A	D	H	L	L1	RWL	TDL	Wgt
SS-312JM-05	M5	7.5	5	9	50	93	188	750	34g

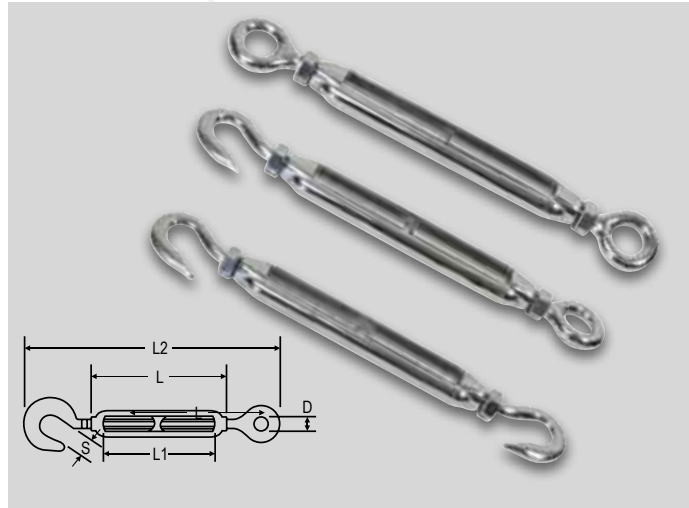


TURNBUCKLE - OPEN BODY W/LOCK NUTS AISI 316

- When ordering please specify size and configuration (listed next line)
- SS-311E-(Eye + Eye), SS-311HE-(Hook + Eye), SS-311H-(Hook + Hook)
- Eg. SS-311E-05 or SS-311HE-05 or SS-311H-05

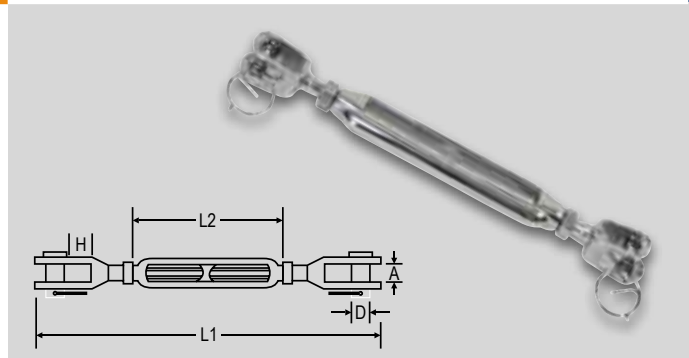
Code	T	D	L	L1	L2	S	RWL*	TDL*	Wgt
SS-311E-04	M4	8	55	47	98	9	119	475	26g
SS-311E-05	M5	8	70	52	120	9	170	680	46g
SS-311E-06	M6	10	90	66	160	10	375	1500	80g
SS-311E-08	M8	14	120	94	200	11	575	2300	165g
SS-311E-10	M10	16	150	120	240	12	775	3100	304g
SS-311E-12	M12	18	200	168	300	14	1100	4400	560g
SS-311E-16	M16	26	250	210	390	16	2025	8100	1200g
SS-311E-20	M20	28	300	260	510	18	2750	11000	2750g

*Based on Eye + Eye combination



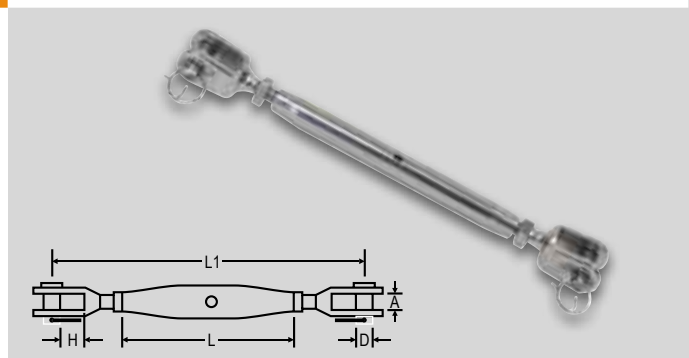
TURNBUCKLE OPEN BODY JAW + JAW W/LOCK NUTS AISI 316

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



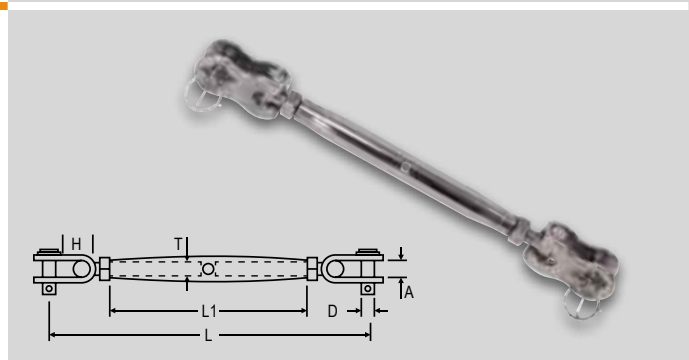
RIGGING SCREW JAW + JAW W/LOCK NUTS AISI 316

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



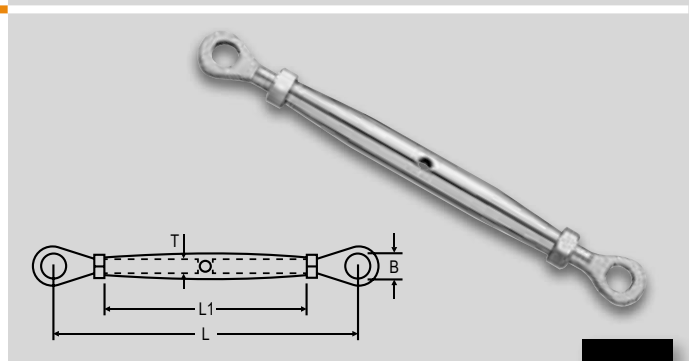
RIGGING SCREW TOGGLE+ TOGGLE W/LOCK NUTS AISI 316

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



RIGGING SCREW EYE + EYE W/LOCK NUTS AISI 316

Code	T	B	L	L1	RWL	TDL	Wgt
SS-312E-05	M5	5.5	128	80	188	750	32g
SS-312E-06	M6	6.5	142	90	250	1000	78g
SS-312E-08	M8	8.5	155	105	550	2200	124g





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

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-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



ALUMINIUM HAND SWAGES -
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-135A	3.0/3.5
CP-140A	4.0
CP-150A	5.0
CP-160A	6.0
CP-180A	8.0



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-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



ALUMINIUM MACHINE SWAGES

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



COPPER MACHINE SWAGES

COPPER FERRULES MACHINE SWAGING DIN3093

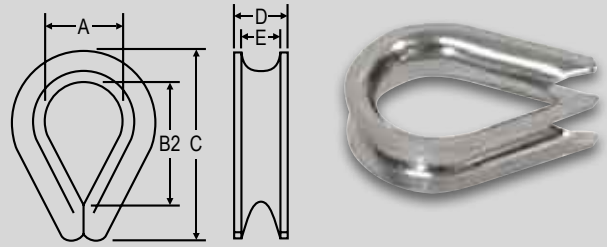
- Copper finish for use with hydraulic swaging of stainless steel wire rope
- Not suitable for galvanised wire rope swaging

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

- larger sizes available by request for machine swages

WIRE ROPE THIMBLE AISI 304

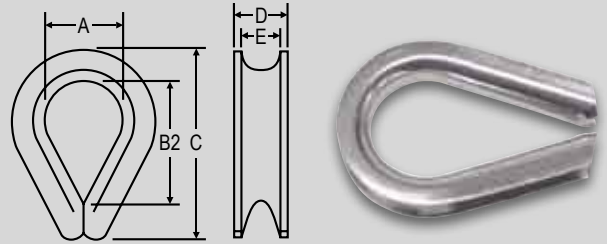
Code	Rope Ø	A	B2	C	D	E
SS-234-02	2.0	7	12	21	5.0	3.2
SS-234-03	3.2	9	14	23	6.0	4.0
SS-234-04	4.0	11	16	27	7.0	5.0
SS-234-05	5.0	14	21	32	8.0	6.0
SS-234-06	6.0	16	26	39	9.5	7.0
SS-234-08	8.0	21	35	50	12.0	9.0
SS-234-10	10.0	26	42	59	14.0	11.0
SS-234-12	12.0	31	48	70	17.5	14.0
SS-234-14	14.0	34	55	76	20.0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

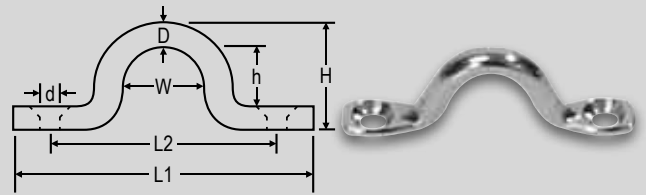
Code	Rope Ø	A	B2	C	D	E
SS-414-06	6.0	22.0	42	54.5	10.0	6.0
SS-414-08	8.0	26.5	42	62.5	11.0	7.0
SS-414-10	10.0	28.0	45	72.0	17.0	10.0
SS-414-12	12.0	37.5	52	84.0	16.0	12.0



SADDLE (EYE STRAP) AISI 304

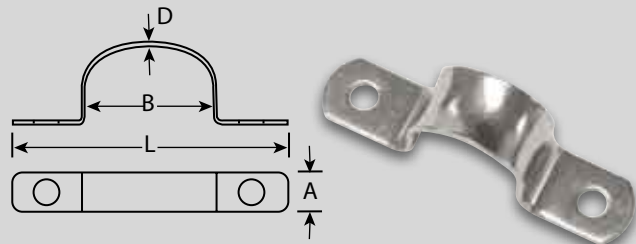
*AISI 316

Code	D	d	H	h	L1	L2	W	Wgt
SS-322-04	4	3.2	16	11	40	32	10	4g
SS-322-05*	5	4.2	16	13	51	40	11	8g
SS-322-06	6	5.2	22	16	57	44	14	14g
SS-322-08	8	5.2	25	17	63	47	11	27g

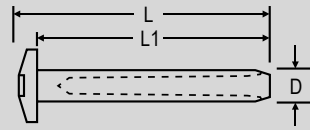


SADDLE FLAT SHEET TWO HOLE AISI 316

Code	A	B	D	L	Wgt
SS-324-10	11	10	1.2	42	4g
SS-324-13	11	13	1.2	45	5g
SS-324-16	11	16	1.2	48	6g



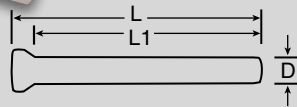
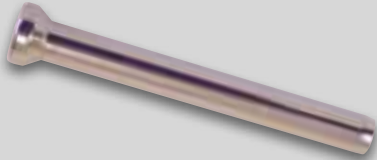
The perfect addition to
compliment modern
housing and commercial
projects



ALLEN KEY HEAD TENSIONER AISI 316

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

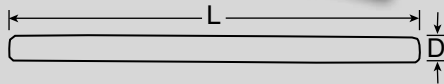
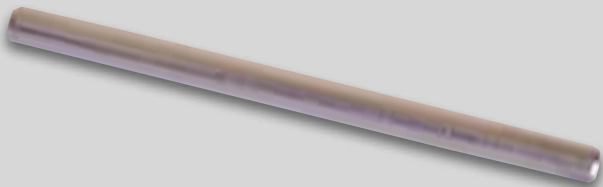
Code	Thread	D	L	L1	Wgt
HTEN-5	M5	8	42	40	11g
HTEN-6	M6	8	42	40	8g



CONE HEAD TERMINAL AISI 316

- Gives a flush look to balustrade jobs when used in conjunction with a countersunk drill bit

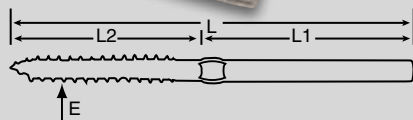
Code	Rope Ø	D	L	L1	Wgt
SS-7841-03	3.2	6	58	53.5	12g
SS-7841-04	4.0	7	69.5	63	20g



TERMINAL JOINER SWAGE AISI 316

- Inline swage fitting for quick effective fix or damaged or vandalised wires

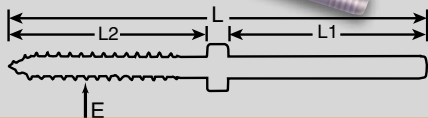
Code	Rope Ø	D	L	Wgt
SS-421-032	3.2	6	99	18g



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	4.0	6/LHT	90	48	42	15g
SS-7831R-64	4.0	6/RHT	90	48	42	15g



LAG SCREW / TERMINAL AISI 316

Code	T	E	L	L1	L2	Wgt
LS-M5-L	M5	5/LHT	92.5	44	38.5	12g
LS-M6-R	M6	6/RHT	96	.049	39.0	17g

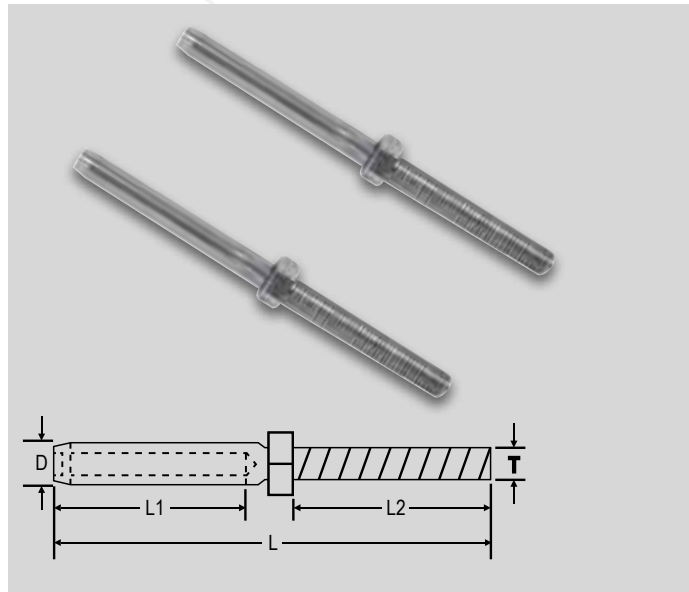
Combine balustrading with handrail systems for stunning indoor and outdoor settings



THREADED TERMINAL SWAGE STUD W/LOCK NUT AISI 316

*Also available in left hand thread

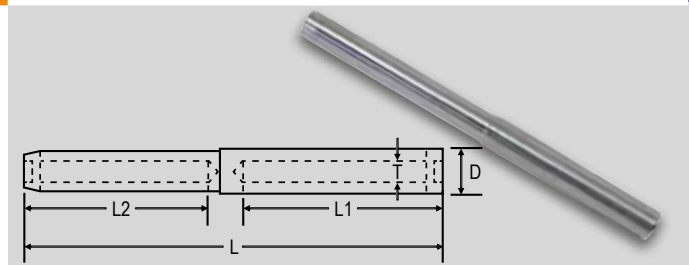
Code	Rope Ø	T	D	L	L1	L2	Wgt
SS-7801-0255	2.5	M5	6	72	40	22	10g
SS-7801-0256	2.5	M6	6	100	38	46	22g
SS-7801-035*	3.2	M5	6	90	42	39	14g
SS-7801-036*	3.2	M6	6	100	48	39	18g
SS-7801-046*	4.0	M6	7.5	100	48	39	26g
SS-7801-058*	5.0	M8	9	117	57	45	34g
SS-7801-0510	5.0	M10	9	170	56	104	90g
SS-7801-0610	6.0	M10	12.5	130	63	51	130g
SS-7801-0612	6.0	M12	12.5	162	80	64	110g
SS-7801-0612-2	6.0	M12	13	235	63	135	186g
SS-7801-0812	8.0	M12	14	165	64	71	178g
SS-7801-0816	8.0	M16	16	225	90	92	292g
SS-7801-1016	10.0	M16	18	225	90	92	319g
SS-7801-1216	12.0	M16	20.5	225	92	90	319g



INTERNAL THREADED TERMINAL SWAGE STUD AISI 316

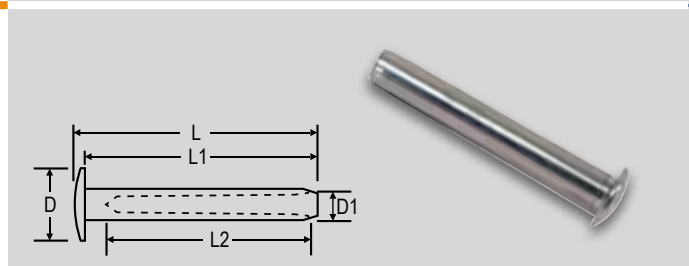
• Refer to fasteners section for cap screw sizes (see page 66)

Code	Rope Ø	D	L	L1	L2	T	Wgt
SS-7811-53	3.2	7.5	90	45	45	M5	18g
SS-7811-64	4.0	8.0	84	28	47	M6	22g
SS-7811-85	5.0	10.0	120	60	60	M8	42g



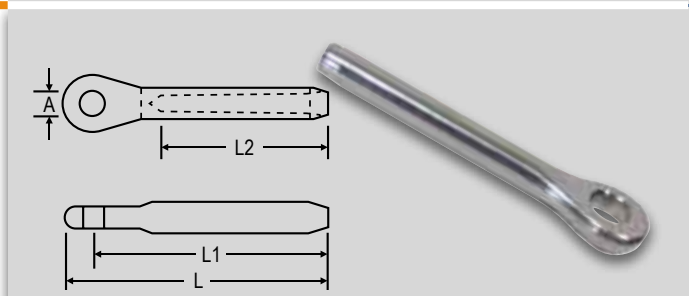
BUTTON HEAD TERMINAL SWAGE AISI 316

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



EYE TERMINAL SWAGE AISI 316

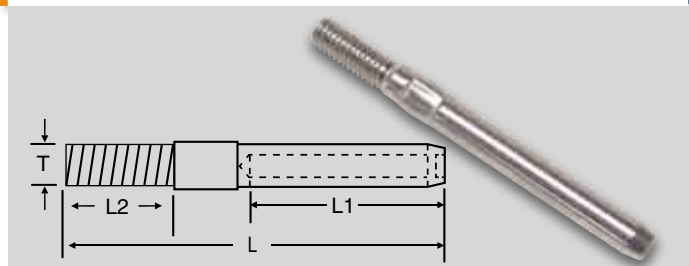
Code	Rope Ø	A	L	L1	L2	RWL	TDL	Wgt
SS-7802-025	2.5	6.0	55	49	32	213	850	8g
SS-7802-032	3.2	6.5	62	55	40	250	1000	12g
SS-7802-04	4.0	8.0	77	61	45	338	1350	20g
SS-7802-05	5.0	10.0	87	76	51	625	2500	37g
SS-7802-06	6.0	12.5	106	90	64	1125	4500	95g
SS-7802-08	8.0	14.5	133	118	83	1675	6700	169g



MINI THREADED TERMINAL SWAGE STUD AISI 316

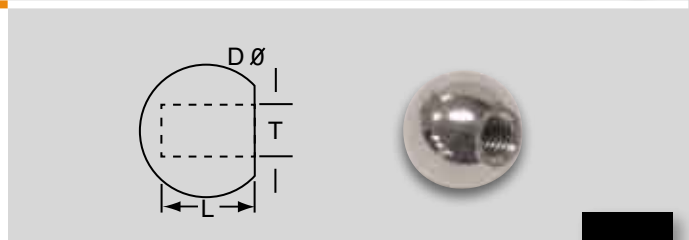
• Use for stairway angles with internal threaded ball (see product below)

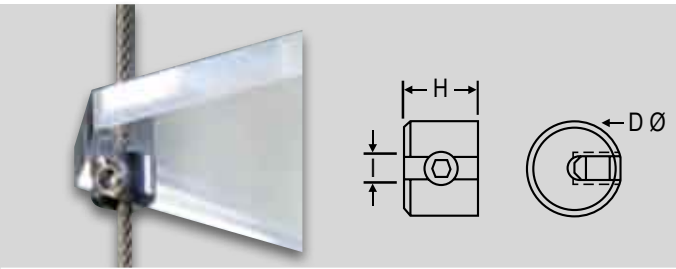
Code	Rope Ø	T	L	L1	L2	Wgt
SS-342-036	3.2	M6	67	38	16	11g



INTERNAL THREADED BALL AISI 316

Code	T	D	L	Wgt
SS-412-06	M6	16	15	14g

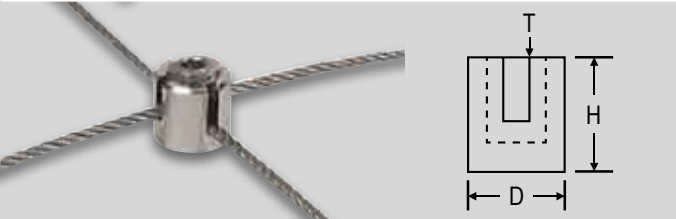




WIRE ROPE SHELF SUPPORT CLIPS AISI 316

- Clips to help create elaborate wire rope shelving

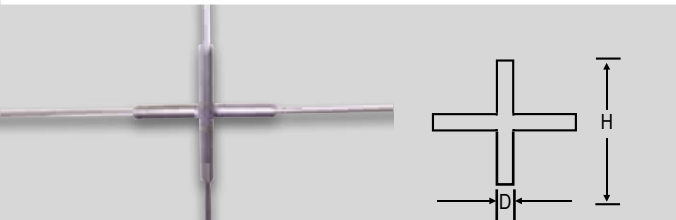
Code	D	H	I	Wire Rope Ø	Wgt
SS-SHST-02	10.0	8.0	2.5	0.6 - 2.5	4g
SS-SHST-04	15.0	11.5	4.6	2.5 - 4.0	13g



CROSS CONNECTOR 90 DEG. AISI 304

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

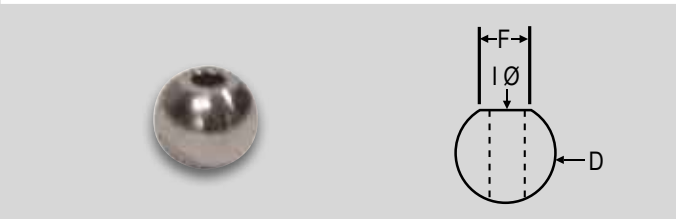
Code	Rope Ø	D	H	T	Wgt
SS-266-032	3.2	20	19	M12	27g
SS-266-04	4.0	20	19	M12	27g



CROSS SWAGE TERMINAL AISI 316

- Can be used as an alternative to intermediate posts
- To be fitted during installation of balustrade runs

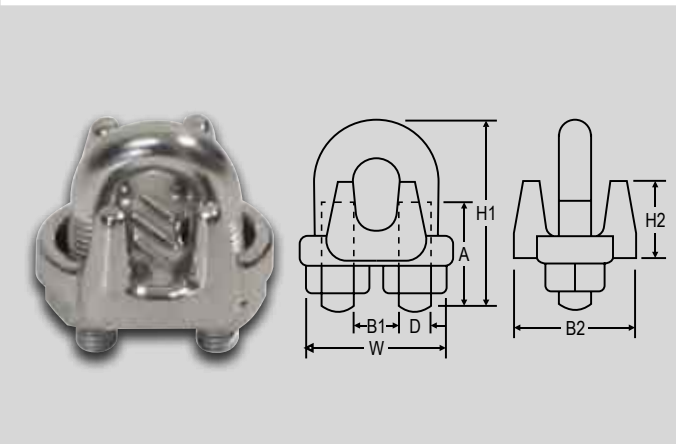
Code	Rope Ø	D	H	Wgt
SS-CRO-32	3.2	6.3	59.5	21g



ROUND BALL AISI 316

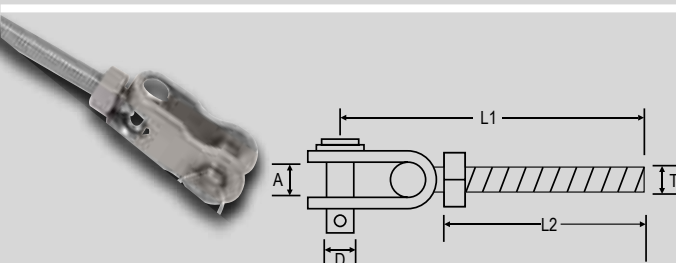
- Internal hole for use with swage fittings and tensioners (stairway + balustrading)

Code	D	F	I	Wgt
SS-7701-503	15	9.5	5.4	12g
SS-7701-604	20	11.5	6.3	27g



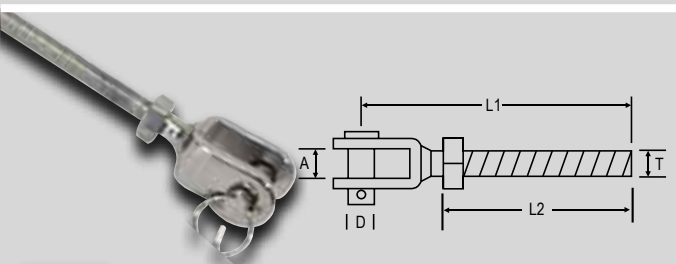
WIRE ROPE GRIP AISI 316

Code	Rope Ø	A	B1	B2	D	H1	H2	TDL	Wgt
SS-260-02	2.0	10	4	14	M3	18	14	400	7g
SS-260-03	3.2	12	5	16	M4	24	17	500	10g
SS-260-04	4.0	13	6	18	M4	24	19	750	18g
SS-260-05	5.0	15	7	20	M6	33	24	1400	26g
SS-260-06	6.0	15	8	22	M6	33	28	2450	39g
SS-260-08	8.0	20	10	28	M8	40	34	4150	76g
SS-260-10	10.0	28	12	35	M10	50	45	7500	152g
SS-260-12	12.0	35	14	39	M12	60	51	9000	236g
SS-260-14	14.0	31	16	42	M14	57	21	9000	142g
SS-260-16	16.0	45	18	48	M14	75	60	11500	417g
SS-260-19	19.0	50	20	53	M14	80	62	11500	450g



FORK TERMINAL TOGGLE SCREW W/LOCK NUT AISI 316

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



FORK TERMINAL SCREW W/LOCK NUT AISI 316

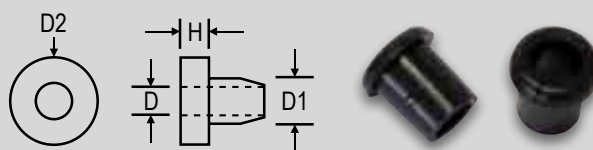
*Available in L/H Thread also

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

NYLON GROMMET SPLIT TYPE

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

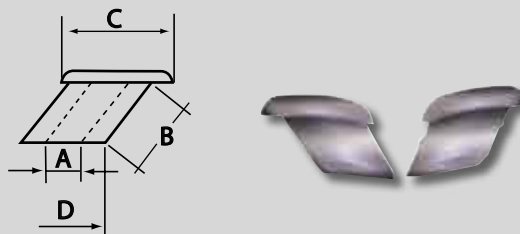
Code	D	D1	D2	H	Colour	Drill Hole Ø	Wire Rope Ø
106874FB	6.5	9.0	12.5	2.5	Black	11/32"	3.2 - 5.0
106874FS	6.5	9.0	12.5	2.5	Silver	11/32"	3.2 - 5.0
106874FC	6.5	9.0	12.5	2.5	Clear	11/32"	3.2 - 5.0



NYLON GROMMET SPLIT TYPE - ANGLE

- 37° angled grommet for use in stairs

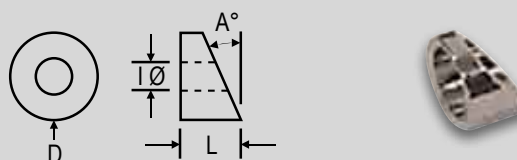
Code	A	B	C	D	Colour	Drill Hole Ø	Wire Rope Ø
104090AW	4.2	8	15	9	WHITE	11/32"	3.2 - 4.0
104090AG	4.2	8	15	9	GREY	11/32"	3.2 - 4.0
104090AB	4.2	8	15	9	BLACK	11/32"	3.2 - 4.0



BEVELLED WASHER CHROME PLATED BRASS

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

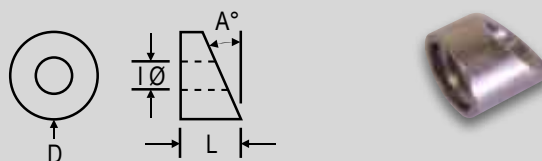
Code	A	D	I	L	Wgt
SS-5351-06	35°	11	6.3	10	3g
SS-5351-08	35°	11	8.3	10	2g



BEVELLED WASHER AISI 304

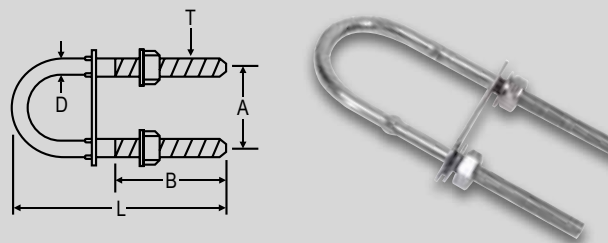
- 35° angled washer for use with cone head terminals (stairway + balustrading)

Code	A	L	D	I	Wgt
SS-5351-11	35°	13.3	11.8	7.1	4g
SS-5351-13	35°	16.3	13.8	8.0	7g



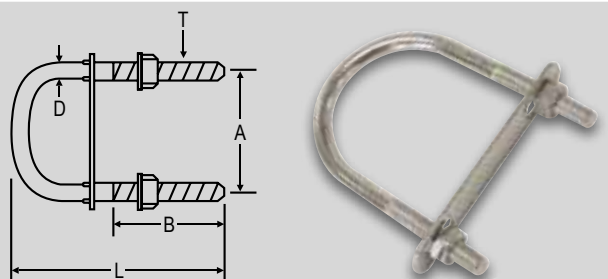
'U' BOLT W/NUT & WASHER AISI 304

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



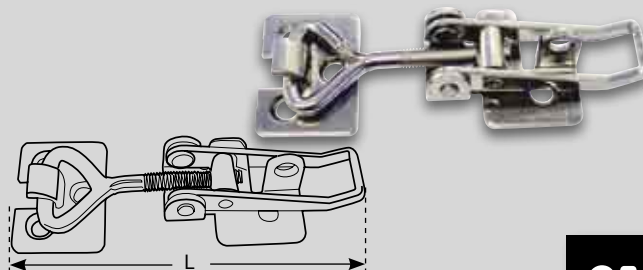
'U' BOLT W/NUT & WASHER FOR TUBE AISI 304

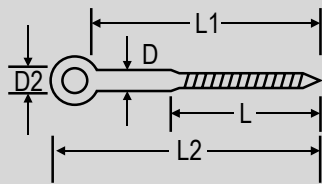
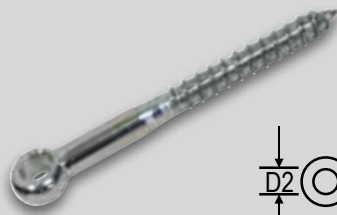
Code	T	A	B	D	L	Tube	Wgt
SS-413-062644	M6	26	20	5.5	44	3/4"	28g
SS-413-063250	M6	32	26	5.5	50	1"	32g
SS-413-063858	M6	38	26	5.5	58	1 1/4"	37g
SS-413-084882	M8	48	38	7.0	82	1 1/2"	77g
SS-413-086190	M8	61	38	7.0	90	2"	86g
SS-413-087097	M8	70	37	7.0	97	2 1/2"	96g



TOGGLE LATCH AISI 304

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



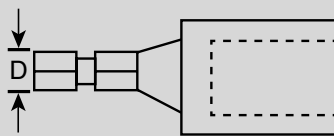


LAG EYE SCREW AISI 316 (TIMBER THREAD) AISI 316

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



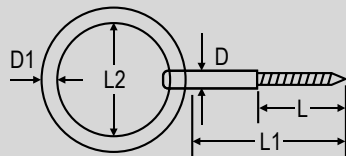
Time Saving Investment



SOCKET DRIVE FOR LAG SCREWS

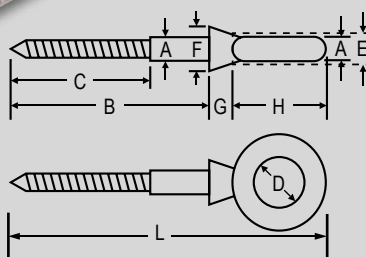
• Insert in drill for fast installation of lag screws

Code	D	Suit Lag Screw	Weight
SD-M6	6.5 A/F	LS-06	15g
SD-M8	9.0 A/F	LS-08	50g



LAG EYE SCREW W/ROUND RING WELDED AISI 304

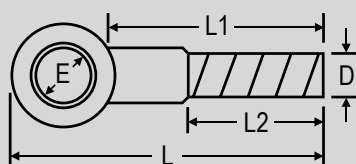
Code	D	D1	L	L1	L2	Weight
SS-3182R-0445	4	4	30	45	25	9g
SS-3182R-0660	6	6	32	55	30	40g
SS-3182R-0860	8	8	40	60	50	109g



COACH SCREW W/EYE NUT AISI 316

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

Code	A	B	C	D	F	G	H	L	Wgt
SS-3291-0550	5.0	50	28	11.5	10	6	21	77	16g
SS-3291-0660	6.0	60	35	14.5	11.5	7	25	91	28g
SS-3291-0880	8.0	80	48	18	16	8	34	121	64g
SS-3291-1060	10.0	60	35	22	19.5	10.5	39	110	102g
SS-3291-10100	10.0	100	60	22	20	10	42	152	125g
SS-3291-12120	12.0	120	72	27	23	12	51	182	220g



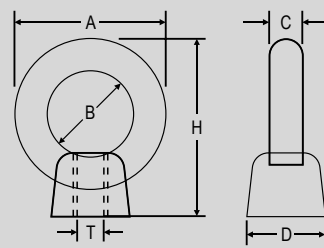
EYE SCREW (METAL THREAD) AISI 316

• A high quality threaded eye suitable for fixing to steel posts
• Fully threaded shank for hard fixing to posts
• Use with rivet nut (page 66) for post fixing
• Other sizes available on request

Code	D	L	L1	L2	E	Wgt
SS-444-610	M6	26	10	10	6.1	10g
SS-444-630	M6	43	30	26	6.1	11g
SS-444-650	M6	69	53	50	6.1	16g
SS-444-660	M6	77	60	50	6.1	15g
SS-444-880	M8	89	80	70	7.9	36g
SS-444-10110	M10	119	110	100	10.1	68g
SS-444-1250	M12	63	40	25	12.3	60g

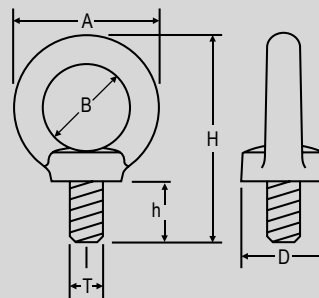
EYE NUT AISI 316

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



EYE BOLT WITH COLLAR AISI 316

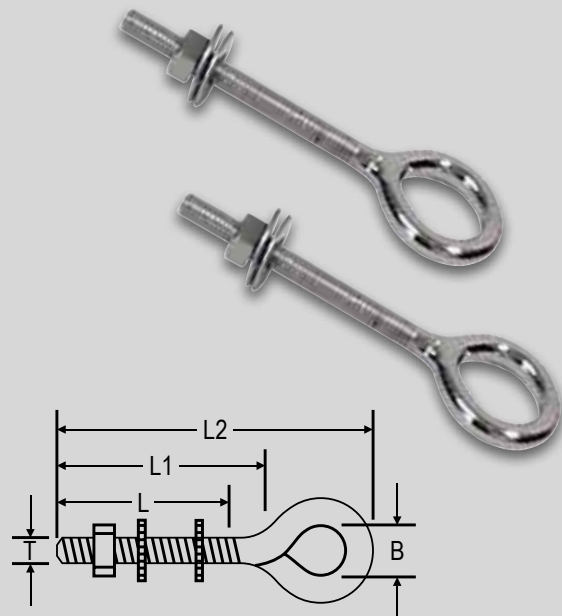
Code	T	A	B	D	H	h	RWL	TDL	Wgt
SS-580-06	M6	26	16	13	41	15	275	1100	15g
SS-580-08	M8	32	20	16	50	15	450	1800	29g
SS-580-10	M10	40	25	20	63	21	675	2600	60g
SS-580-12	M12	49	30	25	74	23	850	3400	108g
SS-580-16	M16	60	35	30	87	28	2000	8000	200g
SS-580-20	M20	70	40	35	103	32	2625	10500	365g
SS-580-24	M24	89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



EYE BOLT W/NUT & TWO WASHERS AISI 304

• Alternate sizes and lengths available on request

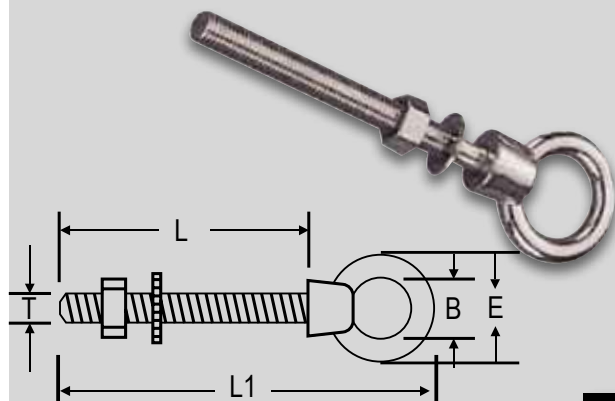
Code	T	B	L	L1	L2	RWL	TDL	Wgt
SS-3191-0550	M5	13	50	53	76	150	600	15g
SS-3191-0640	M6	16	38	40	63	250	1000	23g
SS-3191-0650	M6	16	50	53	81	250	1000	26g
SS-3191-0660	M6	16	60	60	83	250	1000	27g
SS-3191-0680	M6	16	80	80	104	250	1000	29g
SS-3191-06100	M6	16	100	103	126	250	1000	33g
SS-3191-0860	M8	19	60	65	100	450	1800	53g
SS-3191-0880	M8	19	80	85	117	450	1800	58g
SS-3191-0890	M8	19	90	96	126	450	1800	62g
SS-3191-08100	M8	19	100	106	140	450	1800	66g
SS-3191-08130	M8	19	130	135	170	450	1800	72g
SS-3191-1080	M10	24	80	85	126	600	2400	108g
SS-3191-10120	M10	24	110	115	148	600	2400	121g
SS-3191-10160	M10	24	160	165	208	600	2400	144g
SS-3191-12110	M12	20	110	115	156	875	3500	191g
SS-3191-12150	M12	20	150	155	198	875	3500	225g
SS-3191-16130	M16	38	130	145	218	1875	7500	459g

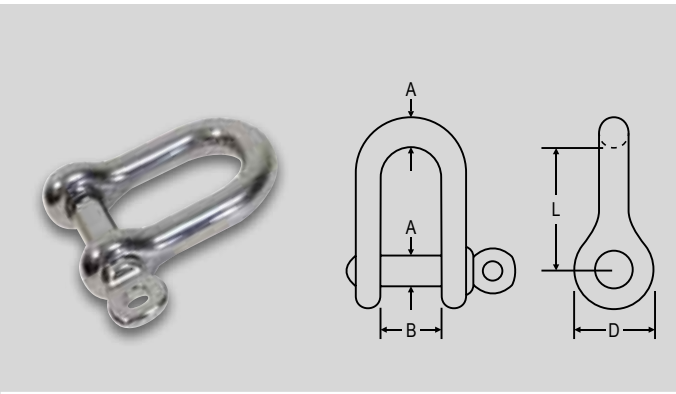


EYE BOLT W/ COLLAR NUT & WASHER LONG TYPE AISI 316

• Alternate sizes and lengths available on request

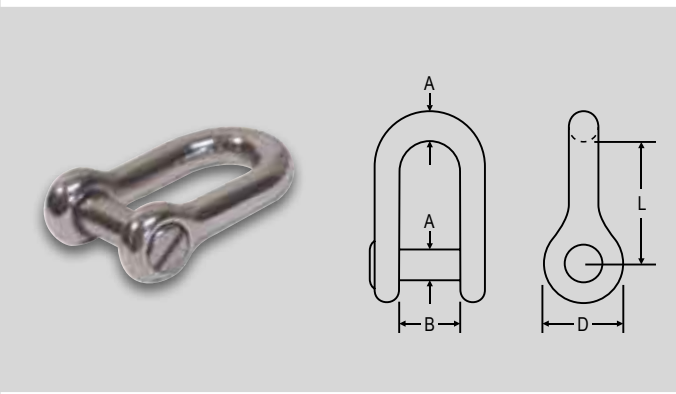
Code	T	B	E	L	L1	RWL	TDL	Wgt
SS-307-0660	M6	16	26	60	91	275	1100	30g
SS-307-0880	M8	20	32	80	120	325	1300	90g
SS-307-10100	M10	25	41	100	148	650	2600	145g
SS-307-10120	M10	25	41	120	168	650	2600	136g
SS-307-10135	M10	25	41	135	183	650	2600	143g
SS-307-10160	M10	25	41	160	208	650	2600	156g
SS-307-10185	M10	25	41	185	246	650	2600	168g
SS-307-12120	M12	30	50	120	181	850	3400	160g
SS-307-12160	M12	30	50	160	220	875	3500	270





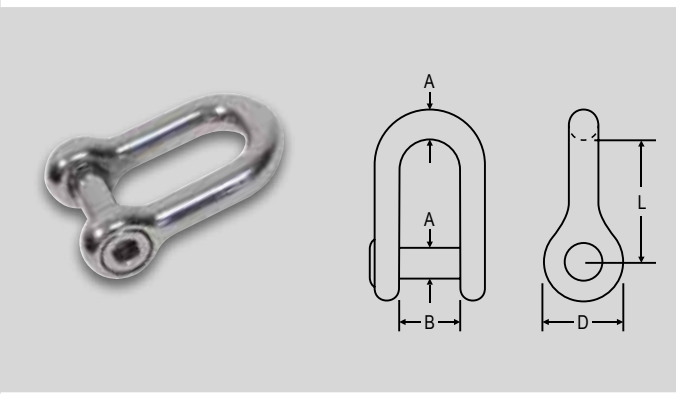
STANDARD "D" SHACKLE AISI 316

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



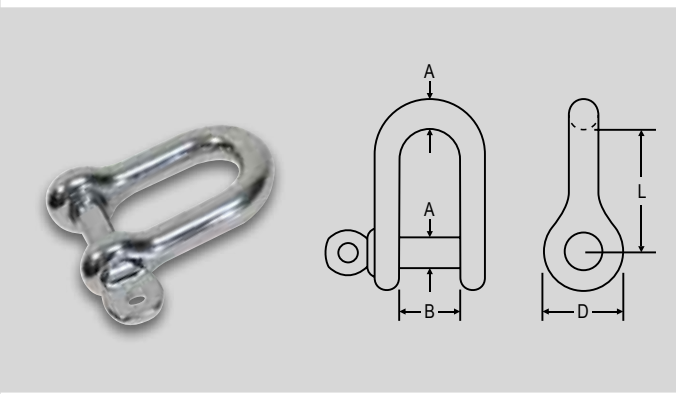
STANDARD "D" SHACKLE SINK PIN SLOTTED HEAD AISI 316

Code	A	B	D	L	RWL	TDL	Wgt
SS-360C-04	M4	8	8	16	138	550	6g
SS-360C-05	M5	10	10	20	250	1000	14g
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
SS-360C-12	M12	24	24	48	1350	5400	175g



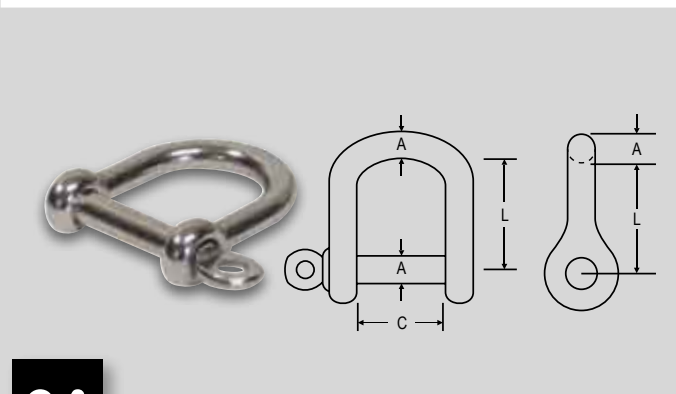
SHACKLE "D" W/ INTERNAL HEX SCREW PIN AISI 316

Code	A	B	D	L	RWL	TDL	Wgt
SS-360H-06	M6	12	12	24	425	1700	22g
SS-360H-08	M8	16	16	32	625	2500	53g
SS-360H-10	M10	20	20	40	1025	4100	103g
SS-360H-12	M12	24	24	48	1350	5400	176g



STANDARD "D" SHACKLE W/ CAPTIVE PIN AISI 316

Code	A	B	D	L	RWL	TDL	Wgt
SS-360LK-05	M5	10	10	20	250	1000	14g
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
SS-360LK-12	M12	24	24	48	1350	5400	180g

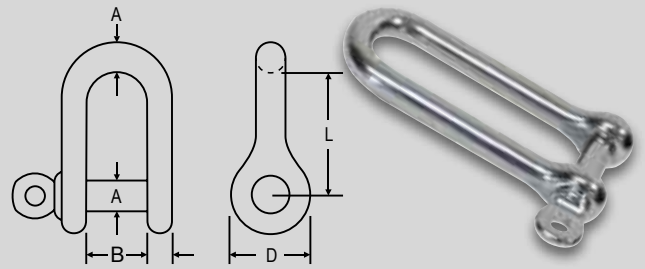


SHACKLE WIDE OPENING MOUTH AISI 316

Code	A	C	L	RWL	TDL	Wgt
SS-360W-06	M6	24	36	338	1350	33g
SS-360W-08	M8	32	48	625	2500	65g
SS-360W-10	M10	40	60	838	3350	152g
SS-360W-12	M12	48	72	1000	4000	255g

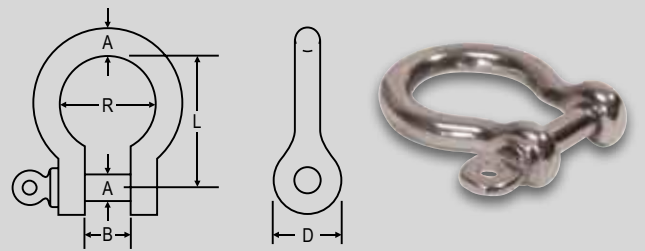
LONG "D" SHACKLE AISI 316

Code	A	B	D	L	RWL	TDL	Wgt
SS-362-04	M4	8	8	32	125	500	11g
SS-362-05	M5	10	10	40	250	1000	21g
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



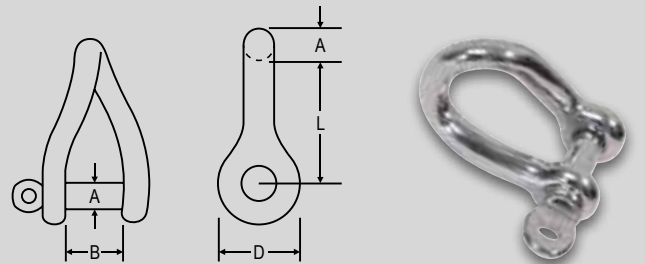
BOW SHACKLE AISI 316

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



TWISTED SHACKLE AISI 316

Code	A	B	D	L	RWL	TDL	Wgt
SS-380-04	M4	8	8	24	167	665	9g
SS-380-05	M5	10	10	20	275	1100	17g
SS-380-06	M6	12	12	24	400	1600	47g
SS-380-08	M8	16	16	16	700	2800	68g
SS-380-10	M10	20	20	40	1150	4600	127g
SS-380-12	M12	24	24	48	1500	6000	222g



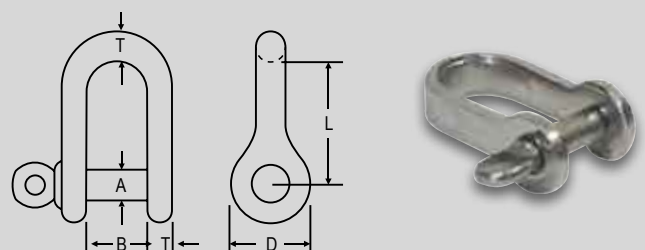
SEMI ROUND "D" SHACKLE AISI 304

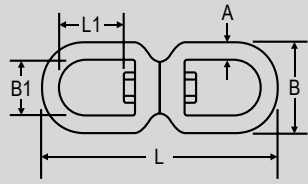
Code	A	B	D	L	T	RWL	TDL	Wgt
SS-3611-05	M5	12	12	21	2.6	238	950	14g
SS-3611-06	M6	14	14	25	3.0	375	1500	22g
SS-3611-08	M8	18	18	32	3.8	650	2600	49g



LIGHT WEIGHT "D" SHACKLE AISI 304

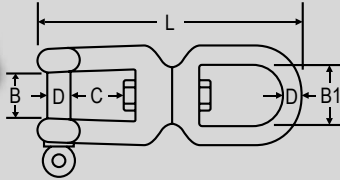
Code	A	B	D	L	T	RWL	TDL	Wgt
SS-162-04	M4	10	9.5	22	1.8	70	280	5g
SS-162-05	M5	12	12.0	28	2.0	90	360	13g
SS-162-06	M6	14	14.6	30	3.0	120	480	23g
SS-162-08	M8	18	18.0	48	4.0	200	800	57g





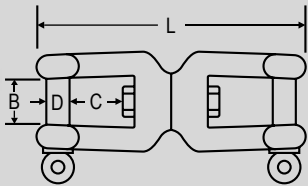
SWIVEL EYE + EYE AISI 316

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



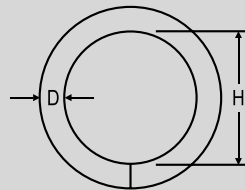
SWIVEL EYE + JAW AISI 316

Code	B	B1	C	D	L	RWL	TDL	Wgt
SS-018EJ-06	12	15	11	6	66	300	1200	58g
SS-018EJ-08	16	20	16	8	94	475	1900	146g
SS-018EJ-10	20	24	22	10	118	875	3500	276g
SS-018EJ-12	26	32	28	12	152	1250	5000	580g



SWIVEL JAW + JAW AISI 316

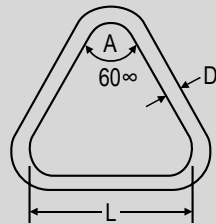
Code	B	C	D	L	RWL	TDL	Wgt
SS-018JJ-06	12	11	6	66	300	1200	66g
SS-018JJ-08	16	16	8	94	475	1900	165g
SS-018JJ-10	20	22	10	118	875	3500	319g
SS-018JJ-12	26	28	12	152	1250	5000	610g



ROUND RING WELDED AISI 304

• Alternate sizes available on request

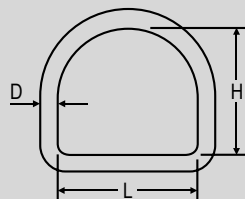
Code	D	H	RWL	TDL	Wgt
SS-1717-425	4	25	250	1000	10g
SS-1717-535	5	35	500	2000	20g
SS-1717-640	6	40	675	2700	32g
SS-1717-650	6	50	675	2700	39g
SS-1717-850	8	50	1250	5000	73g
SS-1717-875	8	75	1250	5000	100g
SS-1717-1075	10	75	2125	8500	156g
SS-1717-1080	10	80	2125	8500	167g



TRIANGULAR RING WELDED AISI 304

• Alternate sizes available on request

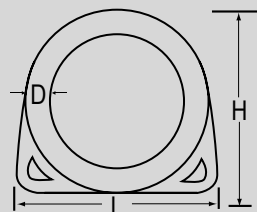
Code	A	D	L	RWL	TDL	Wgt
SS-325T-650	60°	6	50	500	2000	37g
SS-325T-850	60°	8	50	700	2800	68g



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-325-430	4	25	30	200	800	10g
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-325-1050	10	47	50	1250	5000	166g

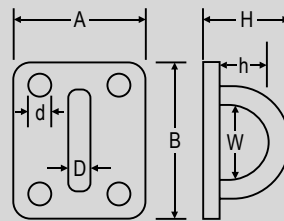


DEE RING W/THIMBLE AISI 304

Code	D	L	H	TDL	RWL	Wgt
SS-2357-0630	6	30	23	1800	450	38g
SS-2357-0650	6	50	34	1800	450	73g
SS-2357-0850	8	50	34	2800	700	107g

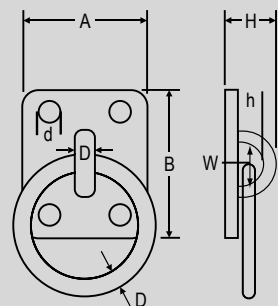
OBLONG PAD EYE AISI 304

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



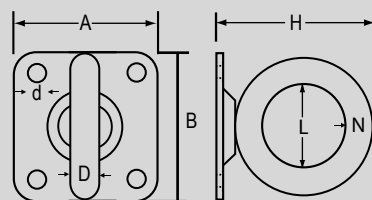
OBLONG PAD EYE W/RING AISI 304

Code	A	B	D	d	H	h	RWL	TDL	Screw Size	W	Wgt
SS-320-05	30	35	5	4.2	19	12	175	700	6g	14	44g
SS-320-06	35	40	6	4.2	26	17	250	1000	8g	18	74g
SS-320-08	40	50	8	5.2	33	22	400	1600	10g	20	130g



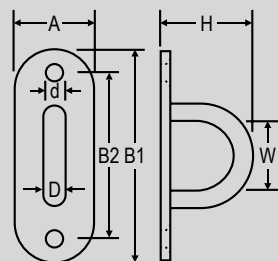
OBLONG SWIVEL PAD EYE AISI 304

Code	A	B	D	d	L	N	RWL	TDL	Screw Size	Wgt
SS-321S-05	29	35	5	4.2	15	5	113	450	6g	33g
SS-321S-06	33	40	6	4.2	18	6	175	700	8g	46g
SS-321S-08	38	50	8	5.2	19	8	213	850	10g	78g



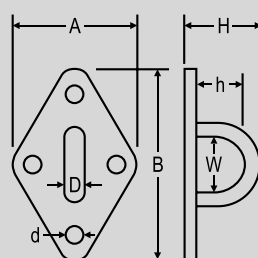
OVAL PAD EYE AISI 304

Code	A	B	D	d	H	h	RWL	TDL	Screw Size	W	Wgt
SS-3212-05	15	45	35.5	5	4.2	20	175	700	6g	14	20g
SS-3212-06	20	60	46.0	6	5.2	25	250	1000	8g	16	33g
SS-3212-08	26	80	60.0	8	5.2	32	400	1600	10g	20	70g



DIAMOND PAD EYE AISI 304

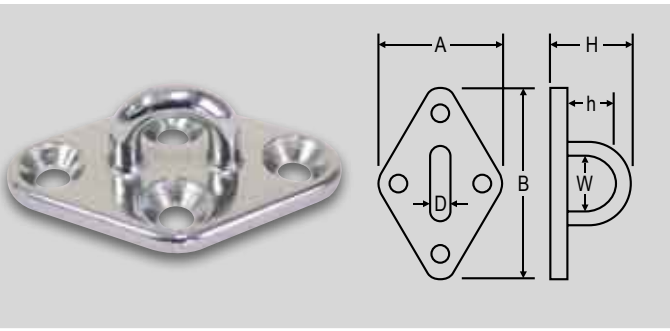
Code	A	B	D	d	H	h	RWL	TDL	Screw Size	W	Wgt
SS-3211-05	37	59	5	4.2	22	12	175	700	6g	11	34g
SS-3211-06	40	64	6	4.2	26	15	250	1000	8g	15	51g
SS-3211-08	50	80	8	5.2	33	20	400	1600	10g	18	73g



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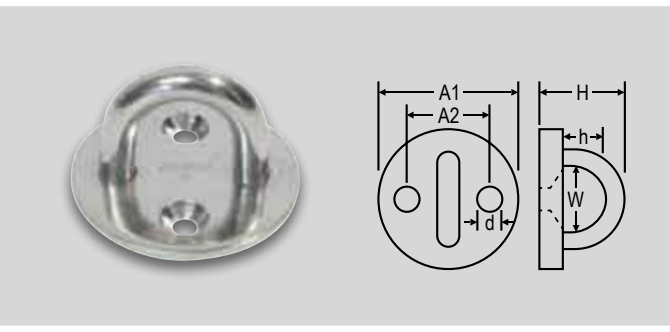
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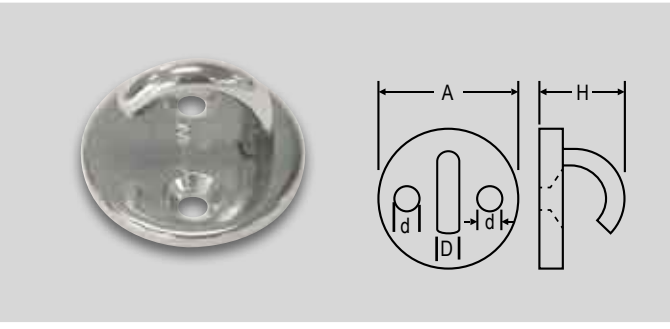
DIAMOND PAD EYE CASTING TYPE AISI 304

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



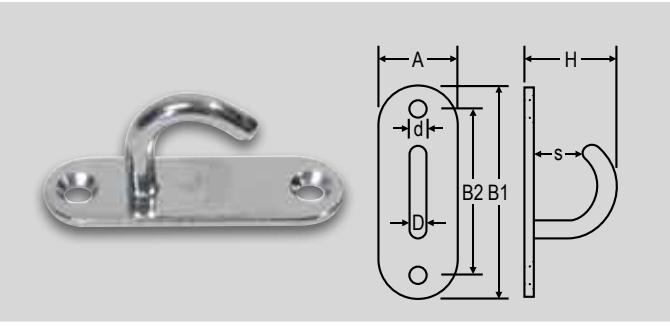
ROUND PAD EYE AISI 304

Code	A1	A2	d	H	h	RWL	TDL	Screw Size	W	Wgt
SS-3214-05	33	19.5	4.2	20	12	175	700	6g	13	21g
SS-3214-06	40	23.0	4.2	26	17	250	1000	8g	17	38g
SS-3214-08	50	29.5	5.2	32	21	400	1600	10g	20	67g



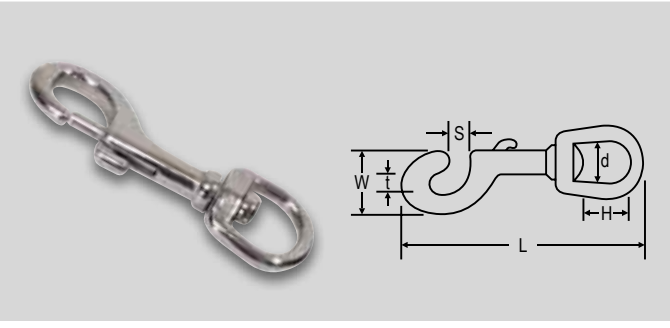
ROUND OPEN PAD EYE AISI 304

Code	A	D	d	H	RWL	TDL	Screw Size	Wgt
SS-3214H-05	33	5	4.5	21	50	200	6g	23g



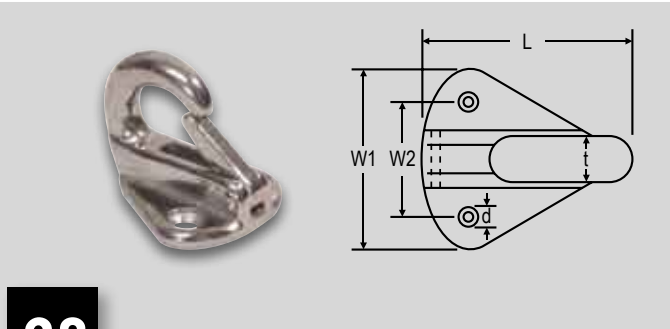
OVAL OPEN PAD EYE AISI 304

Code	A	B1	B2	D	d	H	S	RWL	TDL	Screw Size	Wgt
SS-3212H-05	15	45	35.5	5	4.2	20	8.0	50	200	6g	19g
SS-3212H-06	20	60	46.0	6	5.2	25	12.5	55	220	8g	30g
SS-3212H-08	26	80	60.0	8	5.2	32	14.0	63	250	12g	64g



SWIVEL EYE SNAP AISI 316

Code	d	H	L	S	t	RWL	TDL	W	Wgt
SS-225-75	12	11	76	7.5	5	63	250	21	38g
SS-225-90	19	18	90	8.5	8	163	650	24	50g
SS-225-100	25	23	97	10.0	10	163	650	24	54g

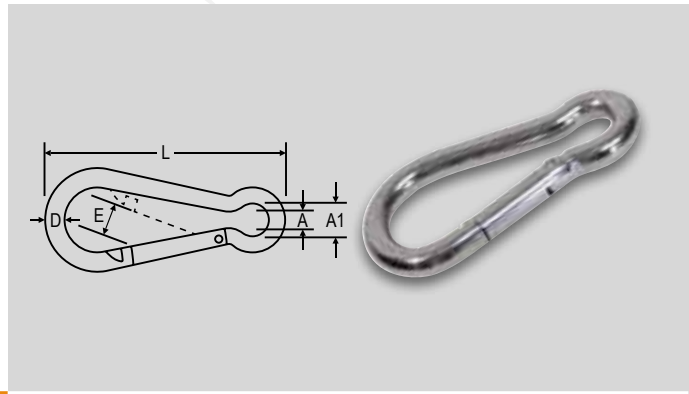


PLATED SNAP HOOK AISI 316

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

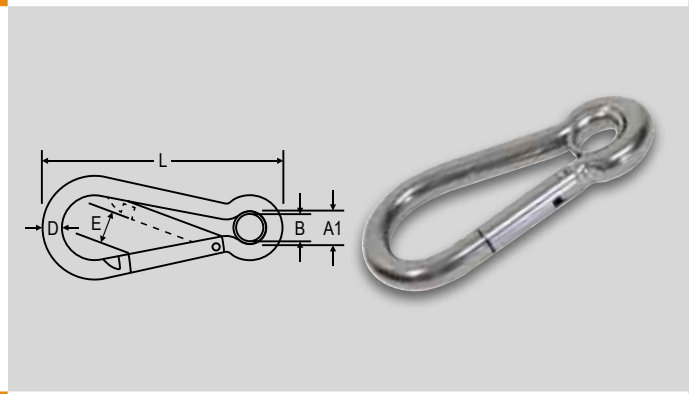
SPRING HOOK AISI 316

Code	A	A1	D	E	L	TDL	Wgt
SS-360-04	5	9	4	7	40	450	11g
SS-360-05	6	10	5	8	50	570	17g
SS-360-06	8	13	6	9	60	670	27g
SS-360-08	8	13	8	9	80	870	65g
SS-360-10	10	16	10	12	100	1150	128g
SS-360-12	11	18	11	16	120	1250	188g



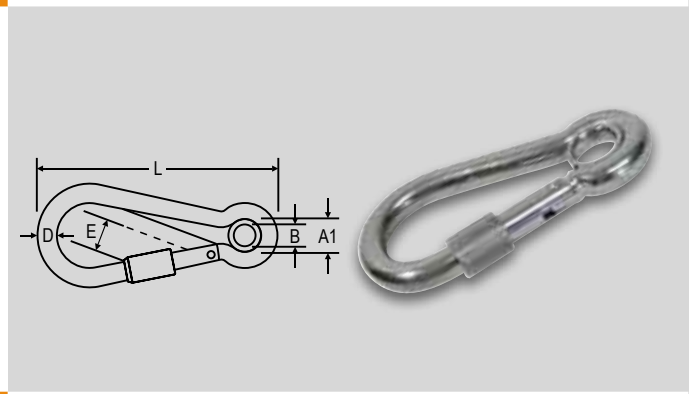
SPRING HOOK W/EYELET AISI 316

Code	A1	B	D	E	L	TDL	Wgt
SS-2450-04	9	6.5	4	7	40	450	11g
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



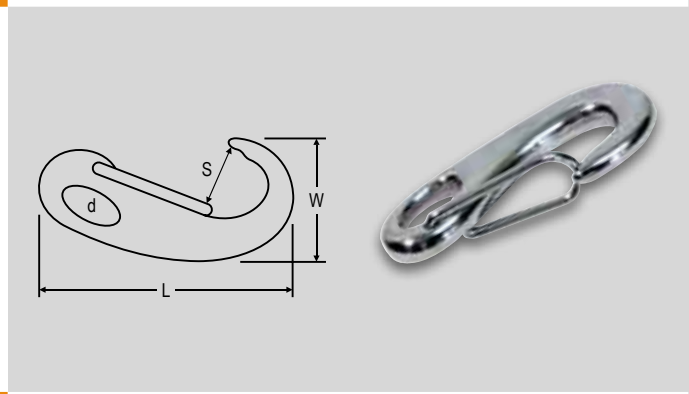
SPRING HOOK W/EYELET & NUT AISI 316

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
SS-2450NX-12	20	18.0	12	19	140	279g



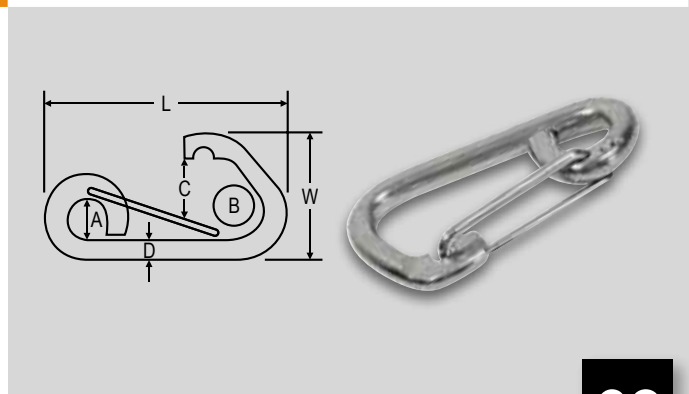
CAST SNAP HOOK AISI 316

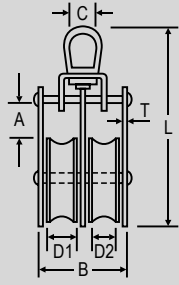
Code	D	L	S	RWL	TDL	W	Wgt
SS-2470-05	8	50	10	220	55	25	23g
SS-2470-07	12	70	11	88	350	31	56g
SS-2470-10	16	100	15	225	900	50	148g



ASYMMETRIC SPRING HOOK AISI 316

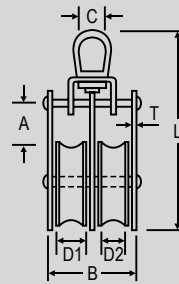
Code	A	B	C	D	L	RWL	TDL	W	Wgt
SS-2430-06	7	10	10	6	61	188	750	35	29g
SS-2430-08	11	13	13	8	81	438	1750	48	66g
SS-2430-10	13	15	15	10	102	563	2250	58	124g
SS-2430-12	16	21	21	12	122	913	3650	70	222g





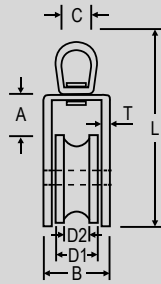
DOUBLE SHEAVE S/STEEL PULLEY W/BRASS BUSHING AISI 304

Code	A	B	C	D1	D2	L	T	RWL	TDL	Wgt
SS-3141D-25	18	37	13	13	9	88	2.0	375	1500	157g
SS-3141D-32	18	42	17	15	10	104	2.0	375	1500	305g
SS-3141D-50	31	54	19	20	13	143	2.5	625	2500	635g



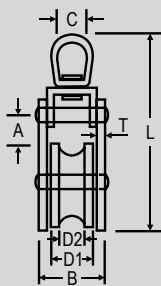
DOUBLE SHEAVE NYLON SWIV. PULLEY W/BRASS BUSHING AISI 304

Code	A	B	C	D1	D2	L	T	RWL	TDL	Wgt
SS-3151-25	13	38	13.5	14	10	88	2.0	238	950	157g
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



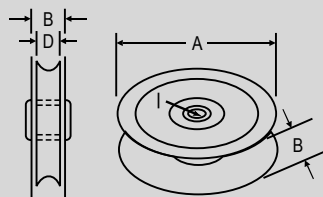
SINGLE SHEAVE S/STEEL PULLEY W/BRASS BUSHING AISI 304

Code	A	B	C	D1	D2	L	T	RWL	TDL	Wgt
SS-3141S-20	13	16.5	10.5	11.5	7	56	2.0	200	800	50g
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



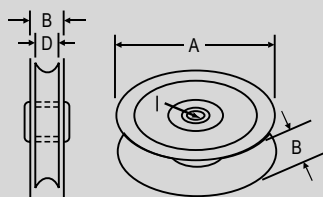
SINGLE SHEAVE NYLON PULLEY W/BRASS BUSHING AISI 304

Code	A	B	C	D1	D2	L	T	RWL	TDL	Wgt
SS-3141-25	16	37	13	13	9	88	2.0	375	1500	80g
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



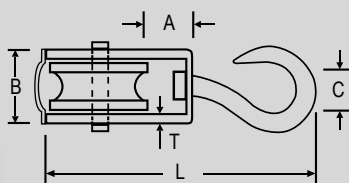
SHEAVE S/STEEL W/BRASS BUSHING AISI 316

Code	A	B	D	I	Wgt
SS-3130-50	50	19	15	10.6	120g
SS-3130-75	75	20	16	13.6	267g
SS-3130-100	100	26	18	17.3	530g
SS-3130-125	125	27	20	17.6	662g



SHEAVE NYLON W/BRASS BUSHING

Code	A	B	D	I	Wgt
NL-S-25	25	15.5	10.0	8.4	10g
NL-S-32	32	15.5	10.0	9.0	13g
NL-S-50	50	20.5	13.5	10.0	31g



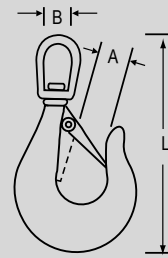
SINGLE SHEAVE PULLEY W/HOOK AISI 304

Code	A	B	C	L	T	Wgt
SS-3141SH-50	54	29	18	148	3	400g

SWIVEL SAFETY HOOK AISI 316

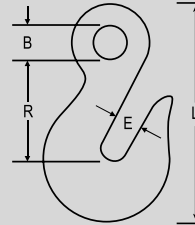
• Also available in fixed eye

Code	A	B	L	RWL	TDL	Wgt
SS-4322-06	18	21.0	120	425	1700	183g
SS-4322-08	20	27.5	144	650	2600	327g
SS-4322-10	24	28.0	165	965	3850	510g
SS-4322-12	32	35.7	205	1400	5600	1048g



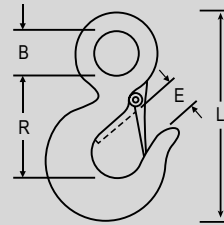
EYE GRAB HOOK AISI 316

Code	B	E	L	R	RWL	TDL	Wgt
SS-323H-06	12.0	8.5	77	78	588	2350	121g
SS-323H-08	15.0	11.0	88	90	828	3310	222g
SS-323H-10	16.5	12.5	102	104	1178	4710	328g
SS-323H-12	22.0	16.5	134	136	1623	6490	716g



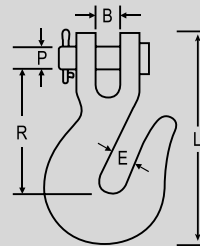
EYE SLIP HOOK W/SAFETY CATCH AISI 316

Code	B	E	L	R	RWL	TDL	Wgt
SS-325-06	12.0	23.5	89	92	375	1500	134g
SS-325-08	16.5	24.0	106	110	725	2900	239g
SS-325-10	18.0	33.0	122	127	800	3200	397g
SS-325-12	23.5	42.0	156	162	1350	5400	850g



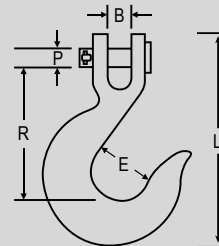
CLEVIS PIN GRAB HOOK AISI 316

Code	B	E	L	P	R	RWL	TDL	Wgt
SS-330-06	11.0	8.5	78	9.0	80	525	2100	156g
SS-330-08	13.5	10.5	94	10.5	96	775	3100	286g
SS-330-10	15.0	12.5	107	12.0	109	1000	4000	398g
SS-330-12	19.0	16.5	140	16.0	144	1838	7350	871g



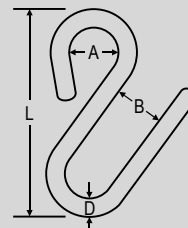
CLEVIS PIN SLIP HOOK AISI 316

Code	B	E	L	P	R	RWL	TDL	Wgt
SS-331-06	11.0	22.5	98	9.0	100	500	2000	187g
SS-331-08	12.5	24.0	109	10.5	112	775	3100	334g
SS-331-10	15.0	33.0	130	12.0	132	1000	4000	523g
SS-331-12	19.0	42.0	165	16.0	166	1400	5600	1026



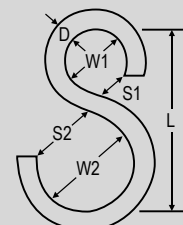
'S' HOOK AISI 304

Code	A	B	D	L	RWL	TDL	Wgt
SS-866-05	9	8.5	5.0	50	38	150	16g
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
SS-866-10	18	18.0	10.0	100	200	800	110g



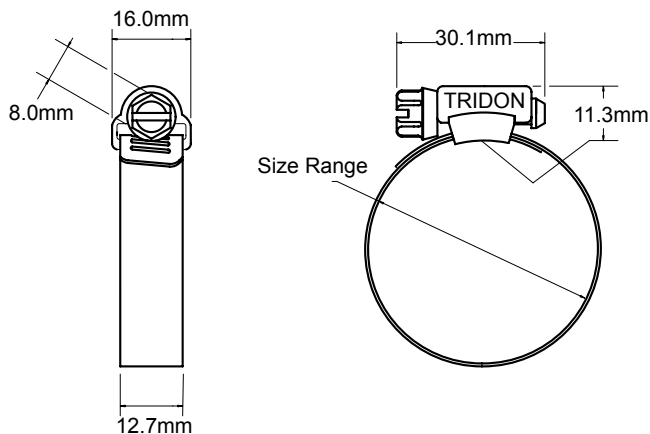
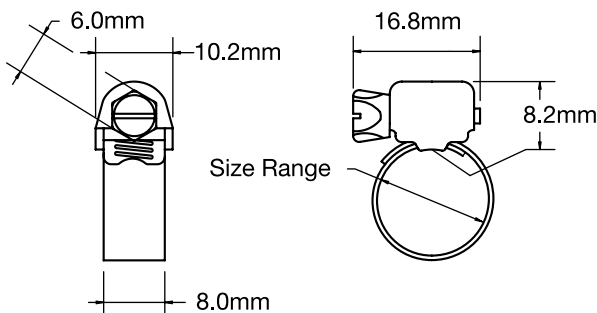
"S" HOOK WIDE OPENING AISI 304

Code	D	L	S1	S2	RWL	TDL	W1	W2	Wgt
SS-268-03	3	30	5.0	10.0	6.25	25	9	16	4g
SS-268-04	4	36	6.0	12.0	12.50	50	12	19	9g
SS-268-06	6	50	7.0	15.0	35.00	140	15	25	29g
SS-268-08	8	67	8.0	18.0	62.50	250	20	33	66g





- All stainless steel for corrosion protection, perforated band
- For marine, industrial, automotive, agricultural, chemical and general purpose use
- Built to SAE J1508 Standard
- Hexagonal head with screwdriver slot
- Low free torque for ease of installation
- Used in OE applications
- Flexible band for superior sealing, conforms to hose
- High strength for reliable sealing
- Made in Australia



MAH SERIES MICRO CLAMP

Code	Size Range	Band Width	Bridge Width	Thickness	Bolt	Bolt Lgth
MAH004P	6-12	8	10.2	0.7	6	16.8
MAH005P	11-18	8	10.2	0.7	6	16.8
MAH006P	11-22	8	10.2	0.7	6	16.8
MAH008P	13-25	8	10.2	0.7	6	16.8
MAH010P	14-27	8	10.2	0.7	6	16.8
MAH012P	17-32	8	10.2	0.7	6	16.8
MAH016P	18-38	8	10.2	0.7	6	16.8
MAH020P	22-45	8	10.2	0.7	6	16.8
MAH024P	33-51	8	10.2	0.7	6	16.8
MAH028P	40-57	8	10.2	0.7	6	16.8
MAH032P	46-64	8	10.2	0.7	6	16.8
MAH036P	52-70	8	10.2	0.7	6	16.8
MAH040P	59-76	8	10.2	0.7	6	16.8

HAS SERIES REGULAR CLAMP

Code	Size Range	Band Width	Bridge Width	Thickness	Bolt	Bolt Lgth
HAS006P	11-22	12.7	16	0.7	8	30.1
HAS008P	13-25	12.7	16	0.7	8	30.1
HAS010P	14-27	12.7	16	0.7	8	30.1
HAS012P	18-32	12.7	16	0.7	8	30.1
HAS016P	21-38	12.7	16	0.7	8	30.1
HAS020P	21-44	12.7	16	0.7	8	30.1
HAS024P	27-51	12.7	16	0.7	8	30.1
HAS028P	33-57	12.7	16	0.7	8	30.1
HAS032P	40-64	12.7	16	0.7	8	30.1
HAS080P	117-140	12.7	16	0.7	8	30.1
HAS104P	133-178	12.7	16	0.7	8	30.1

- All stainless steel, solid band
- For heavy duty applications where large tightening forces are required
- All series stainless steel for corrosion protection
- Rolled edge to prevent hose damage
- Easy installation - a bolt is used for tightening not a nut which ensures full travel when using a socket
- Extra solid construction with the highest grade materials and 3 welds per band on larger sizes
- Solid trunnions with hex head bolt
- Superior sealing tighter seals at lower bolt torques
- Made in Australia

TTBS SERIES (T'BOLT)

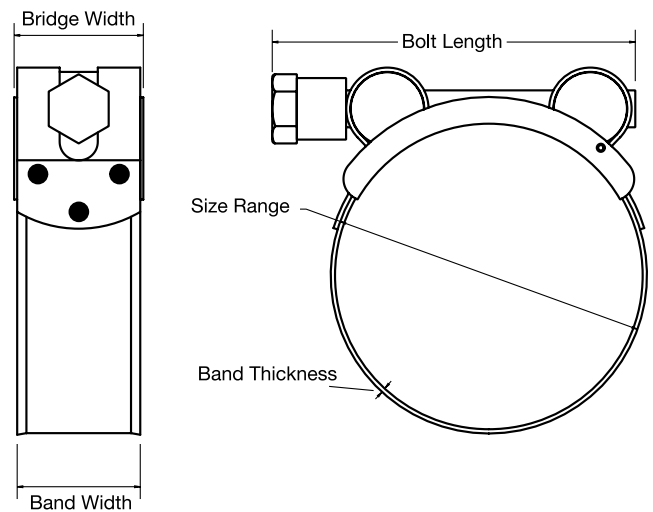
Code	Size Range	Band Width	Bridge Width	Thickness	Bolt	Bolt Lgth
TTBS17-19P	17-19	16	18	0.7	M5	40
TTBS18-20P	18-20	16	18	0.7	M5	40
TTBS20-22P	20-22	16	18	0.7	M5	40
TTBS21-23P	21-23	16	18	0.7	M5	40
TTBS23-25P	23-25	16	18	0.7	M5	40
TTBS24-26P	24-26	16	18	0.7	M5	40
TTBS26-28P	26-28	16	18	0.7	M5	40
TTBS27-29P	27-29	16	18	0.7	M5	40

TTBS SERIES (T'BOLT)

Code	Size Range	Band Width	Bridge Width	Thickness	Bolt	Bolt Lgth
TTBS29-31P	29-31	20	22	0.7	M6	55
TTBS30-33P	30-33	20	22	0.7	M6	55
TTBS32-35P	32-35	20	22	0.7	M6	55
TTBS34-37P	34-37	20	22	0.7	M6	55
TTBS36-39P	36-39	20	22	0.7	M6	55
TTBS38-41P	38-41	20	22	0.7	M6	55
TTBS40-43P	40-43	20	22	0.7	M6	55
TTBS42-45P	42-45	20	22	0.7	M6	55
TTBS44-47P	44-47	20	22	0.7	M6	55
TTBS46-49P	46-49	20	22	0.7	M6	55
TTBS48-51P	48-51	20	22	0.7	M6	55
TTBS50-53P	50-53	20	22	0.7	M6	55
TTBS52-55P	52-55	20	22	0.7	M6	55
TTBS54-57P	54-57	20	22	0.7	M6	55
TTBS56-59P	56-59	20	22	0.7	M6	55
TTBS58-61P	58-61	20	22	0.7	M6	55
TTBS60-63P	60-63	20	22	0.7	M6	55
TTBS62-65P	62-65	20	22	0.7	M6	55

TTBS SERIES (T'BOLT)

Code	Size Range	Band Width	Bridge Width	Thickness	Bolt	Bolt Lgth
TTBS64-67P	64-67	24	27	1.0	M8	80
TTBS66-70P	66-70	24	27	1.0	M8	80
TTBS68-73P	68-73	24	27	1.0	M8	80
TTBS71-76P	71-76	24	27	1.0	M8	80
TTBS74-79P	74-79	24	27	1.0	M8	80



PRODUCT INDEX

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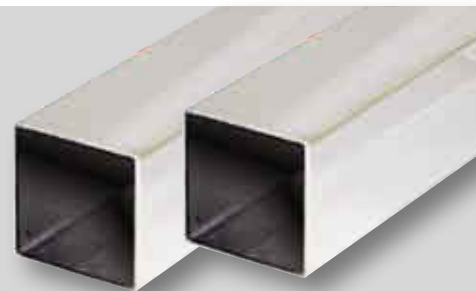
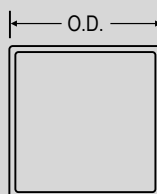


STAINLESS STEEL TUBING

SQUARE STAINLESS STEEL WELDED TUBE ASTM A554

- All tube available in cut lengths – cutting fee may apply

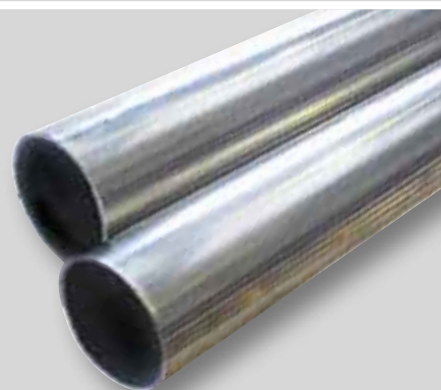
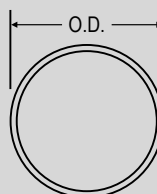
Code	O.D.	Wall	Polish	Lgth	Grade	Wgt
AWRST-316-2-6M	2"	1.5	600g	6mtr	AISI 316	13kg
AWRSST-316-2-6M	2"	1.5	180g	6mtr	AISI 316	13kg



ROUND STAINLESS STEEL WELDED TUBE ASTM A554 AISI 316

- All tube available in cut lengths – cutting fee may apply

Code	O.D.	Wall	Polish	Lgth	Wgt
AWRRT-316-0.5-6M	½"	1.2	600g	6m	2.0kg
AWRRT-316-1-6M	1"	1.5	600g	6m	4.0kg
AWRRT-316-1.5-3M	1 ½"	1.5	600g	3m	3.5kg
AWRRT-316-1.5-6M	1 ½"	1.5	600g	6m	7.0kg
AWRRT-316-2-3M	2"	1.5	600g	3m	5.5kg
AWRRT-316-2-6M	2"	1.5	600g	6m	11kg
AWRRT-316-2.5-6M	2 ½"	1.5	600g	6m	14kg

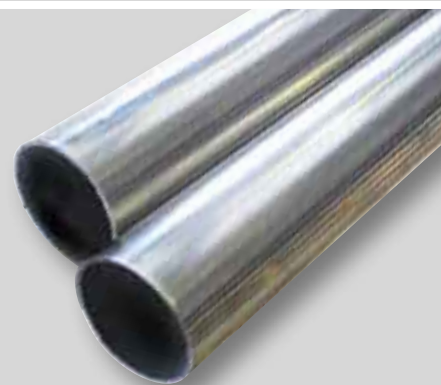
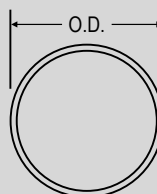


ROUND STAINLESS STEEL WELDED TUBE "HEAVY DUTY" ASTM A554 AISI 316

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

- All tube available in cut lengths – cutting fee may apply

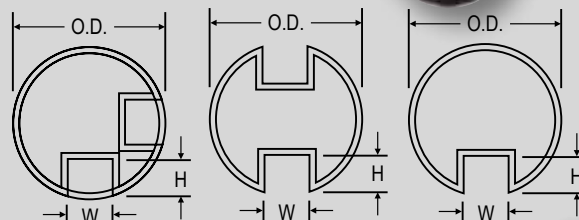
Code	O.D.	Wall	Polish	Lgth	Wgt
AWRRT-316-2-2-3M	2"	2.0	600g	3m	7kg
AWRRT-316-2-2-6M	2"	2.0	600g	6m	14kg



ROUND SLOTTED S/STEEL WELDED TUBE ASTM A554 AISI 316

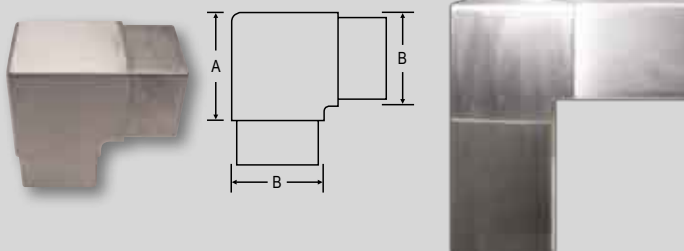
- Ideal for corner posts for balustrading and pool fencing
- All tube available in cut lengths – cutting fee may apply
- Slotted tube infill available – see page 50

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



Ask about our additional in house services including:

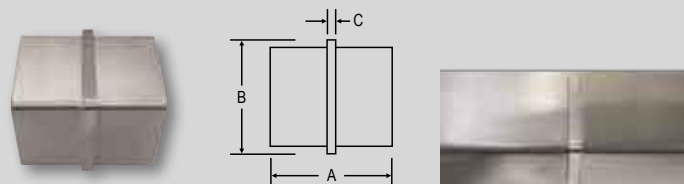
- cutting
- welding
- glue end/rails caps, drilling
- installing blind rivets & pre-made wires



FLUSH JOINER "90°" AISI 316

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

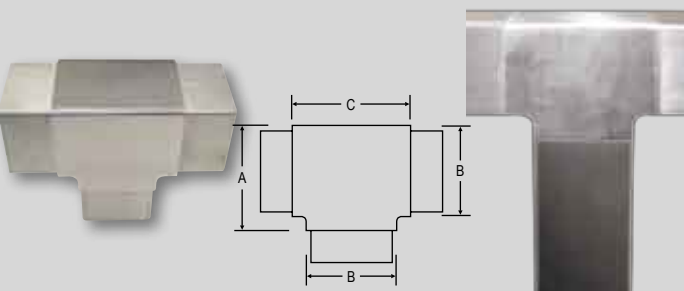
Code	Finish	Tube Ø	Wall	A	B	Wgt
AWRMST-2002	Mirror	2"	1.5	63	50.8	655g
AWRSST-2002	Satin	2"	1.5	63	50.8	655g



FLUSH JOINER "IN-LINE" AISI 316

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

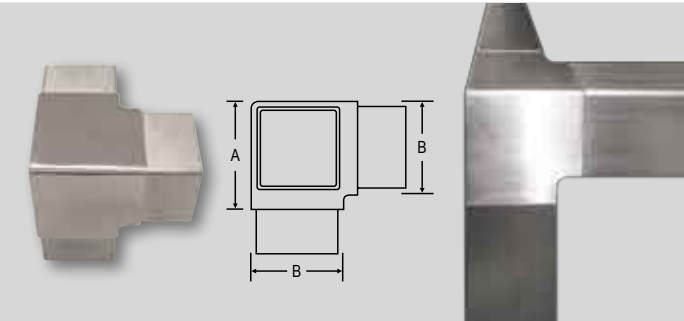
Code	Finish	Tube Ø	Wall	A	B	C	Wgt
AWRMST-2004	Mirror	2"	1.5mm	66	50.8	6.0	254g
AWRSST-2004	Satin	2"	1.5mm	66	50.8	6.0	254g



FLUSH JOINER "TEE" AISI 316

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

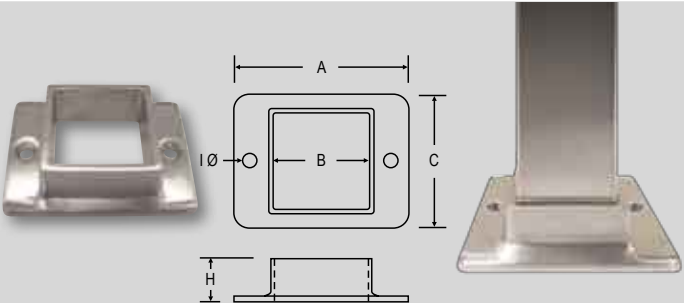
Code	Finish	Tube Ø	Wall	A	B	C	Wgt
AWRMST-2005	Mirror	2"	1.5	63	50.8	75	785g
AWRSST-2005	Satin	2"	1.5	63	50.8	75	785g



FLUSH JOINER "90° TEE" AISI 316

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

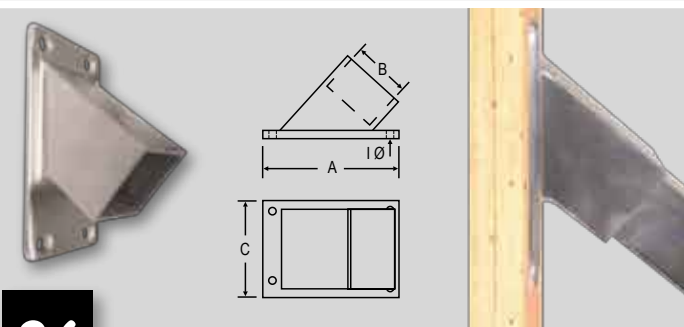
Code	Finish	Tube Ø	Wall	A	B	Wgt
AWRMST-2006	Mirror	2"	1.5	63	50.8	752g
AWRSST-2006	Satin	2"	1.5	63	50.8	752g



OBLONG BASE PLATE/FLANGE AISI 316

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

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



WALL STOP FLANGE "37°" AISI 316

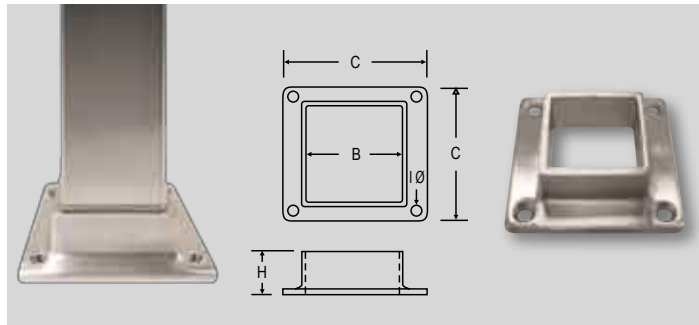
- Mirror or Satin (180g) finished modular handrail components
- Heavy duty cast components suitable also on commercial sites
- Epoxy glue, pop rivet or weld together fittings

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

SQUARE BASE PLATE/FLANGE AISI 316

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

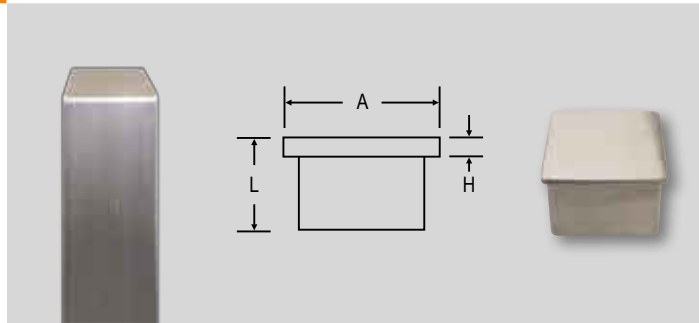
Code	Finish	Tube Ø	Wall	A	B	C	H	I	Wgt
AWRMST-2016	Mirror	2"	1.5	100	50.8	100	30	8.0	498g
AWRSST-2016	Satin	2"	1.5	100	50.8	100	30	8.0	498g



END CAP "FLAT" AISI 316

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

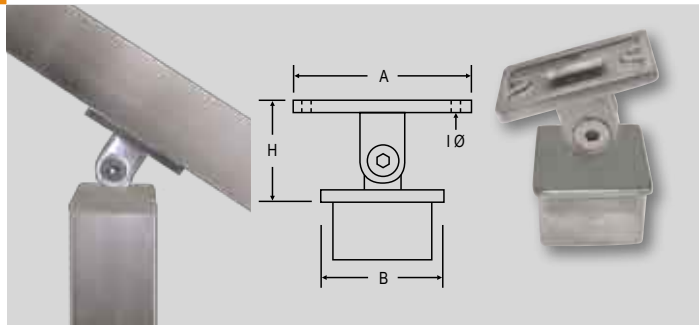
Code	Finish	Tube Ø	Wall	A	H	L	Wgt
AWRMST-2019	Mirror	2"	1.5	50.8	3.0	33	156g
AWRSST-2019	Satin	2"	1.5	50.8	3.0	33	156g



ADJUSTABLE RAIL SUPPORT "FLAT TOP" AISI 316

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

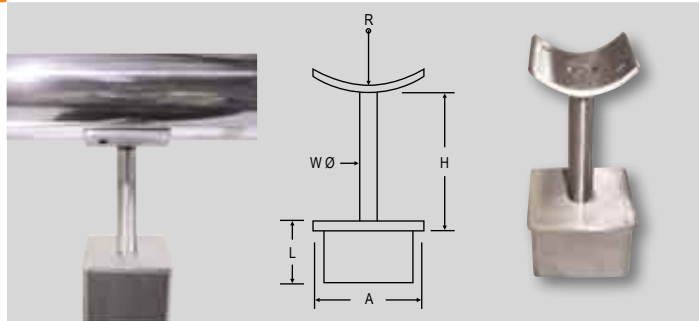
Code	Finish	Tube Ø	Wall	A	B	H	I	Wgt
AWRMST-315AP	Mirror	2"	1.5	66	50.8	50	6.0	375g
AWRSST-315AP	Satin	2"	1.5	66	50.8	50	6.0	375g



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

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

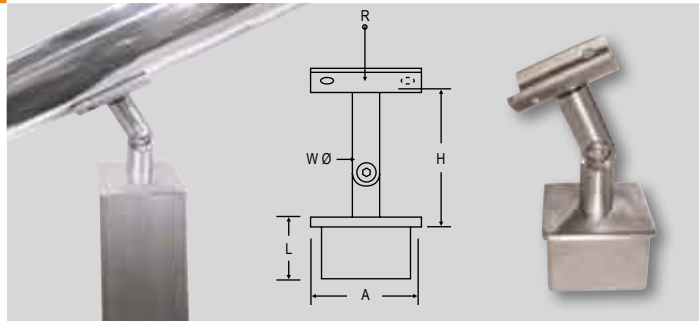
Code	Finish	Tube Ø	Wall	A	H	L	R	W	Wgt
AWRMST-2020	Mirror	2"	1.5	50.8	66	33	2"	12	254g
AWRSST-2020	Satin	2"	1.5	50.8	66	33	2"	12	254g



POST REDUCER SQUARE - ROUND "ADJUSTABLE" AISI 316

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

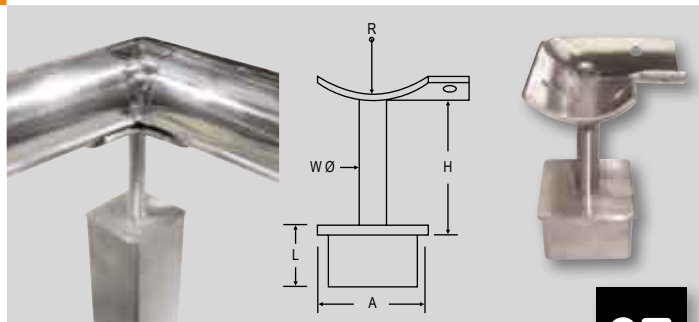
Code	Finish	Tube Ø	Wall	A	H	L	R	W	Wgt
AWRMST-2021	Mirror	2"	1.5	50.8	66	33	2"	16	293g
AWRSST-2021	Satin	2"	1.5	50.8	66	33	2"	16	293g

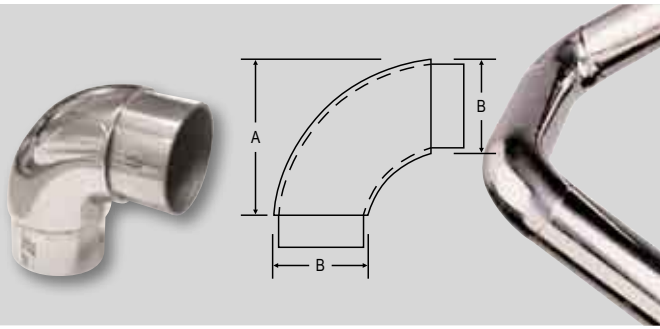


POST REDUCER SQUARE - ROUND "90° CORNER" AISI 316

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

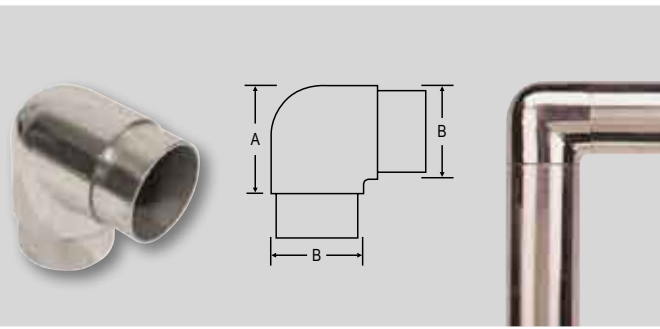
Code	Finish	Tube Ø	Wall	A	H	L	R	W	Wgt
AWRMST-2022	Mirror	2"	1.5	50.8	66	33	2"	12	309g
AWRSST-2022	Satin	2"	1.5	50.8	66	33	2"	12	309g





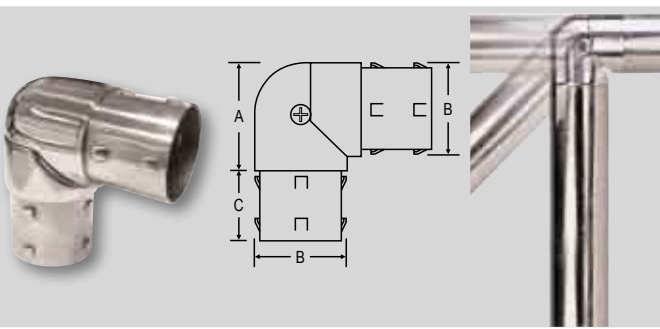
FLUSH JOINER "90°" RADIUSED AISI 316

Code	Tube Ø	Wall	A	B	Wgt
AWR1502-1E	1 1/2"	1.5	66	38.1	271g
AWR2002-1E	2"	1.5	66	50.8	385g



FLUSH JOINER "90°" AISI 316

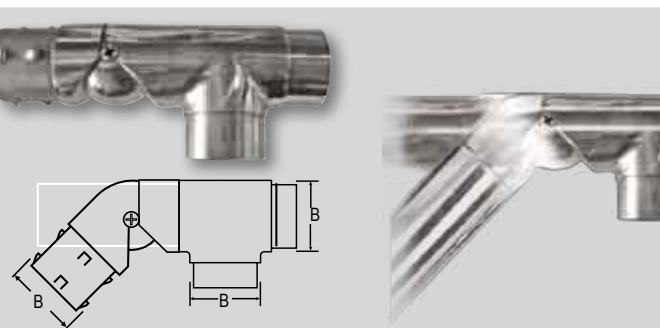
Code	Tube Ø	Wall	A	B	Wgt
AWR1002E	1"	1.5	38	25.4	102g
AWR1502E	1 1/2"	1.5	51	38.1	230g
AWR2002E	2"	1.5	57	50.8	340g



FLUSH JOINER "ADJUSTABLE" AISI 316

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

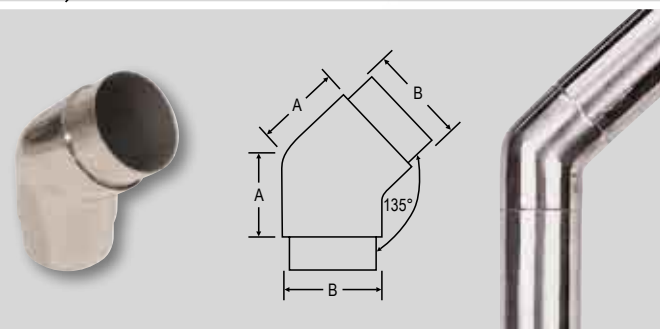
Code	Tube Ø	Wall	A	B	C	Wgt
AWR15349E	1 1/2"	1.5	41	38.1	29	225g
AWR20349E	2"	1.5	57	50.8	38	485g



FLUSH JOINER "ADJUSTABLE TEE" AISI 316

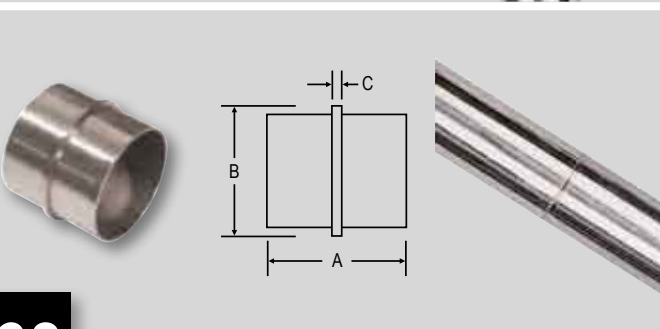
- Flexible joiner used for stairway handrails
- Adjusts from 90° to 180°

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



FLUSH JOINER "135°" AISI 316

Code	Tube Ø	Wall	A	B	Wgt
AWR1003E	1"	1.5	22	25.4	92g
AWR1503E	1 1/2"	1.5	41	38.1	200g
AWR2003E	2"	1.5	45	50.8	285g

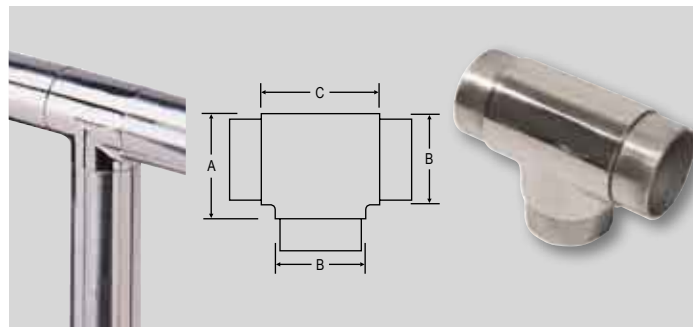


FLUSH JOINER "IN-LINE" AISI 316

Code	Tube Ø	Wall	A	B	C	Wgt
AWR1004E	1"	1.5	38	25.4	3.0	30g
AWR1504E	1 1/2"	1.5	51	38.1	3.0	48g
AWR2004E	2"	1.5	54	50.8	3.0	120g

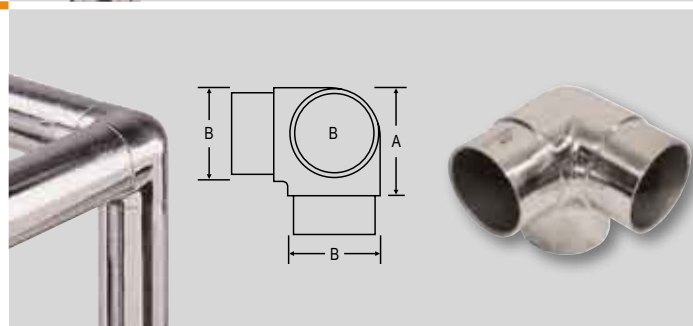
FLUSH JOINER "TEE" AISI 316

Code	Tube Ø	Wall	A	B	C	Wgt
AWR1005E	1"	1.5	36	25.4	45	140g
AWR1505E	1 ½"	1.5	51	38.1	60	290g
AWR2005E	2"	1.5	57	50.8	67	450g



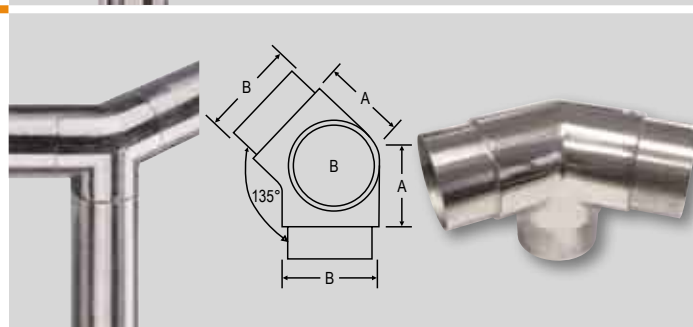
FLUSH JOINER "90° TEE" AISI 316

Code	Tube Ø	Wall	A	B	Wgt
AWR1006E	1"	1.5	38	25.4	140g
AWR1506E	1 ½"	1.5	51	38.1	275g
AWR2006E	2"	1.5	57	50.8	435g



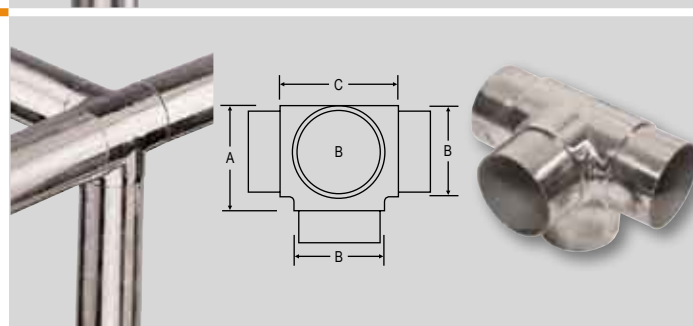
FLUSH JOINER "135° TEE" AISI 316

Code	Tube Ø	Wall	A	B	Wgt
AWR1507E	1 ½"	1.5	41	38.1	340g
AWR2007E	2"	1.5	45	50.8	500g



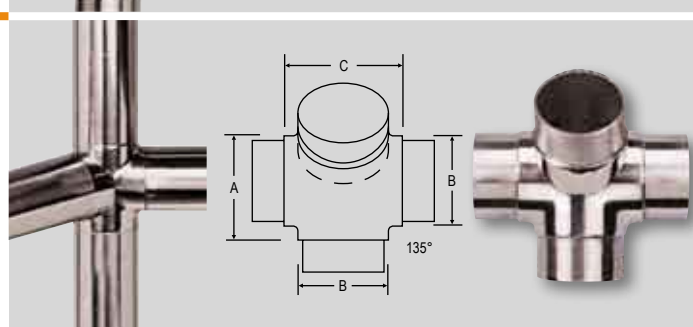
FLUSH JOINER "4-WAY TEE" AISI 316

Code	Tube Ø	Wall	A	B	C	Wgt
AWR1508E	1 ½"	1.5	51	38.1	60	300g
AWR2008E	2"	1.5	57	50.8	67	560g



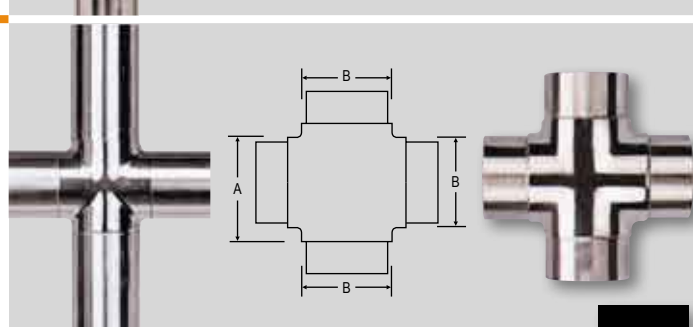
FLUSH JOINER 135° "STAR" AISI 316

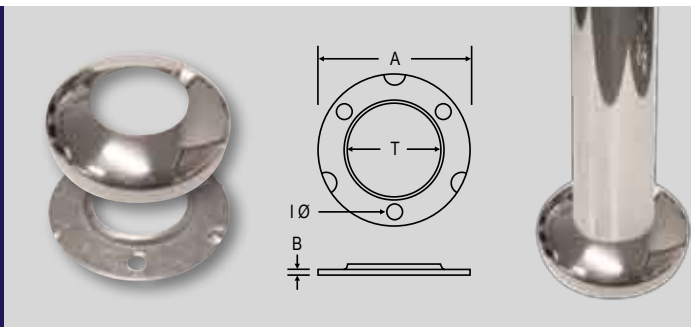
Code	Tube Ø	Wall	A	B	C	Wgt
AWR1509E	1 ½"	1.5	51	38.1	60	350g
AWR2009E	2"	1.5	57	50.8	67	500g



FLUSH JOINER 4-WAY "STAR" AISI 316

Code	Tube Ø	Wall	A	B	Wgt
AWR1510E	1 ½"	1.5	60	38.1	390g
AWR2010E	2"	1.5	67	50.8	460g

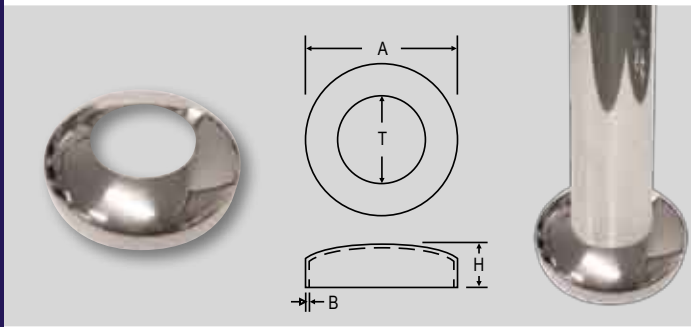




ROUND BASE PLATE W/COVER (WELD) AISI 316

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

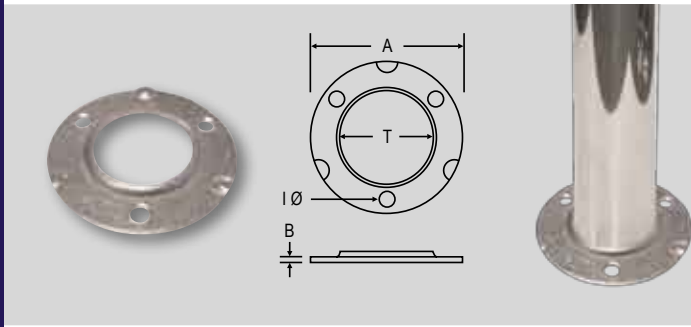
Code	Tube Ø	A	B	I	T	Wgt
AWR0501A	½"	65	2.0	6.5	13.0	81g
AWR1001A	1"	65	2.0	6.5	25.5	72g
AWR1501A	1 ½"	80	2.0	6.5	38.3	100g
AWR2001A	2"	100	3.0	8.5	51.0	217g



ROUND COVER PLATE ONLY AISI 316

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

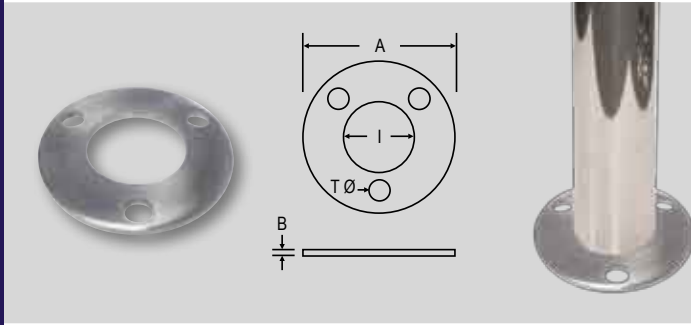
Code	Tube Ø	A	B	H	T	Finish	Wgt
AWR0501A-C	½"	67	0.80	15	13.1	Mirror	30g
AWR1001A-C	1"	67	0.80	15	25.8	Mirror	28g
AWR1501A-C	1 ½"	82	0.80	17	38.4	Mirror	41g
AWR2001A-C	2"	102	0.80	26	51.2	Mirror	88g
AWR2001A-C-S	2"	102	0.80	26	51.2	Satin	88g



ROUND BASE PLATE ONLY (WELD) AISI 304

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

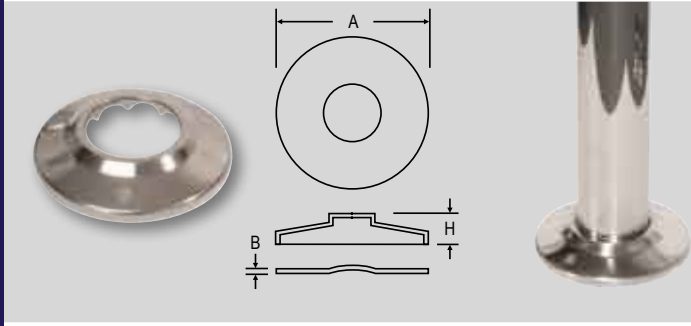
Code	Tube Ø	A	B	I	T	Wgt
AWR0501A-B	½"	65	2.0	6.5	13.0	51g
AWR1001A-B	1"	65	2.0	6.5	25.5	44g
AWR1501A-B	1 ½"	80	2.0	6.5	38.3	59g
AWR2001A-B	2"	100	3.0	8.5	51.0	129g



ROUND BASE PLATE HEAVY DUTY (WELD) AISI 316

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

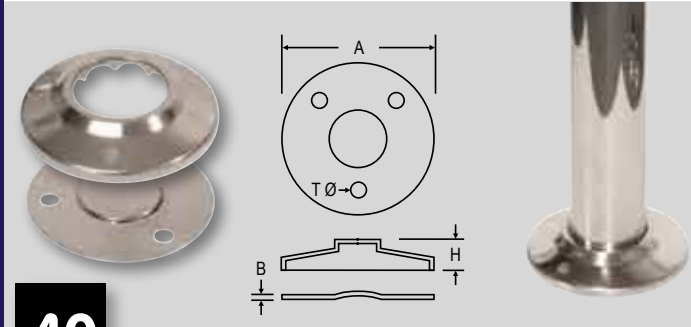
Code	Tube Ø	A	B	T	I	Wgt
AWR2001D	2"	100	6.0	12.5	51	249g



ROUND COVER PLATE ONLY AISI 316

- Self holding cover plate
- Suitable for posts/handrails which are set into a surface or over a fixed base plate

Code	Tube Ø	A	H	Wgt
AWR1501BC	1 ½"	92	20	40g
AWR2001BC	2"	110	20	55g



ROUND BASE PLATE WITH COVER (WELD) AISI 316

- A sheet material round base plate with self holding cover
- This item is suited for intermediate handrail posts and requires welding

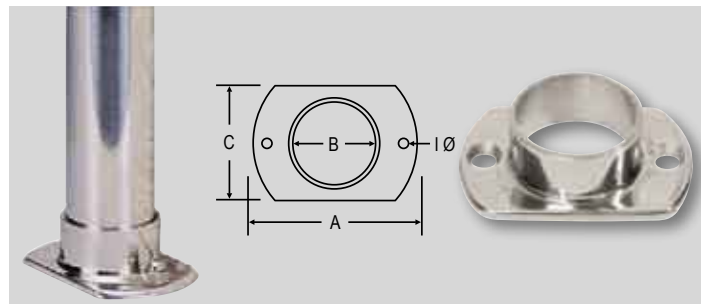
Code	Tube Ø	A	B	H	T	Grade	Wgt
AWR1001B	1"	72	2.0	20	10.5	AISI 304	75g
AWR1501B	1 ½"	92	2.0	20	10.5	AISI 304	125g
AWR2001B	2"	110	2.0	20	10.5	AISI 316	177g
AWR2501B	2 ½"	120	2.5	25	10.5	AISI 304	255g
AWR3001B	3"	135	3.0	31	10.5	AISI 304	370g

FLANGES / JOINER

OBLONG BASE PLATE/FLANGE AISI 316

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

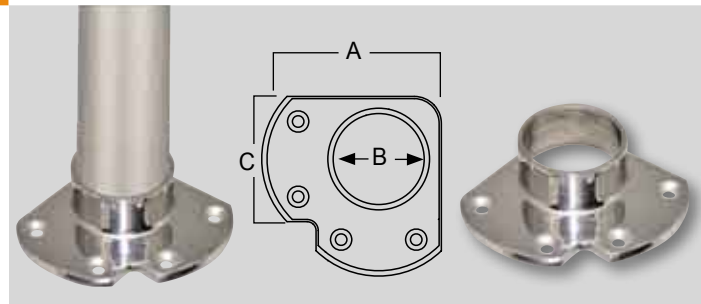
Code	Tube Ø	A	B	C	I	Wgt
AWR1014A	1"	70	25.4	40	5.0	85g
AWR1514A	1 ½"	75	38.1	56	5.0	140g
AWR2014A	2"	100	50.8	69	6.5	255g



CORNER BASE PLATE / FLANGE AISI 316

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

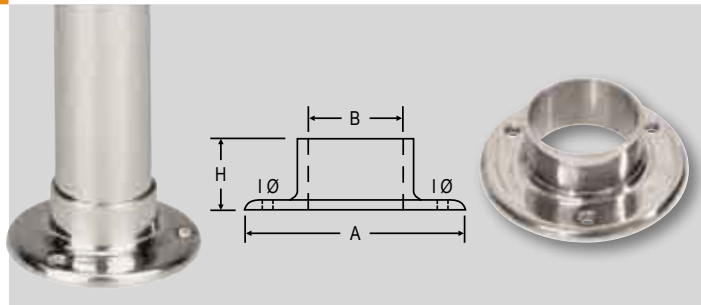
Code	Tube Ø	A	B	C	Wgt
AWR2014L	2"	101	50.8	70.5	343g



ROUND BASE PLATE/FLANGE AISI 316

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

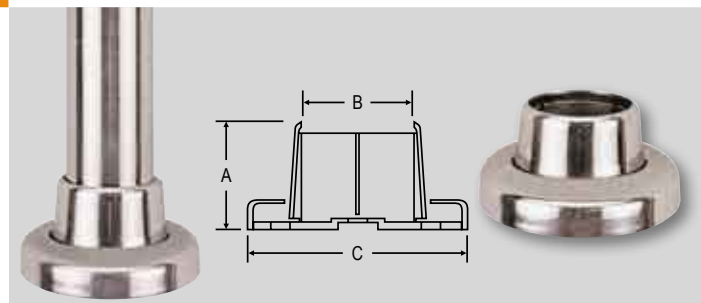
Code	Tube Ø	A	B	H	I	Wgt
AWR1016A	1"	70	25.4	25	5.0	115g
AWR1516A	1 ½"	76	38.1	25	5.0	170g
AWR2016A	2"	102	50.8	31	6.5	315g



ROUND ADJUSTABLE HEAVY DUTY BASE PLATE AISI 316

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

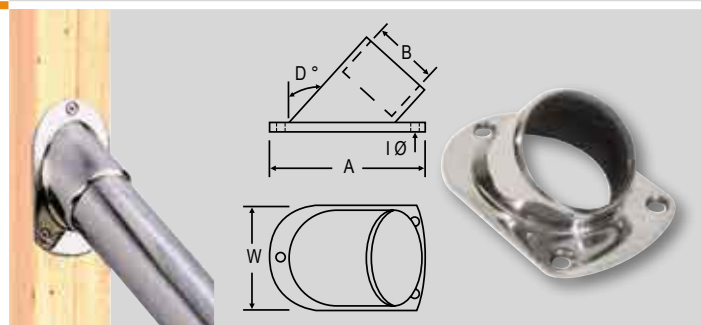
Code	Tube Ø	A	B	C	Wgt
AWR1099A	1"	35	25.4	67	170g
AWR1599A	1 ½"	45	38.1	83	360g
AWR2099A	2"	48	50.8	101	495g



WALL STOP FLANGE AISI 316

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

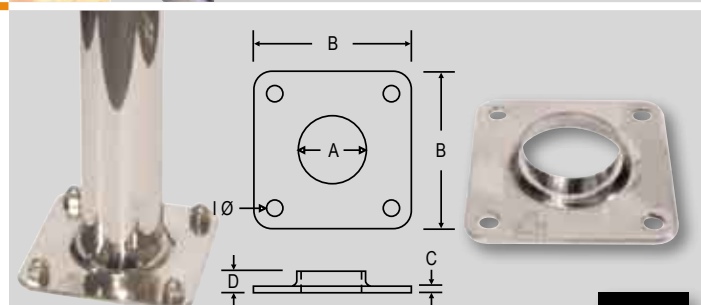
Code	Tube Ø	D	A	B	W	I	Wgt
AWR1515B	1 ½"	32°	97	38.1	64	6.5	205g
AWR2015A	2"	45°	130	50.8	70	7.0	260g
AWR2015C	2"	37°	110	50.8	70	6.0	260g



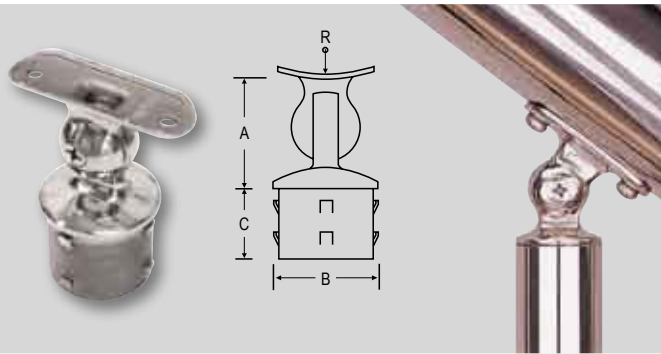
SQUARE BASE PLATE HEAVY DUTY (WELD) AISI 304

- 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
AWR1502S	1 ½"	38.4	110	3.0	17	10.5	260g
AWR2002S	2"	51.0	110	4.0	19	10.5	330g
AWR2505S	2 ½"	64.2	127	4.0	24	10.5	455g
AWR3002S	3"	77.0	143	5.0	26	10.5	630g



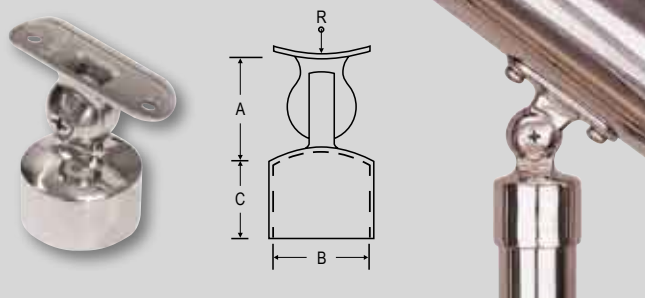
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ADJ. RAIL SUPPORT RADIUSED "INTERNAL FIT" AISI 316

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

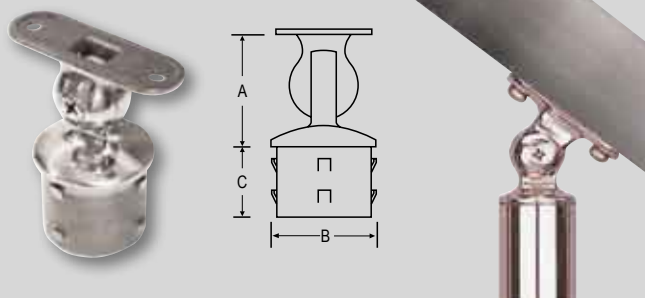
Code	Tube Ø	Wall	A	B	C	R	Wgt
AWR10315A-1	1"	1.5	32	25.4	19	1"	66g
AWR10315A-1.5	1"	1.5	32	25.4	19	1 1/2"	66g
AWR10315A-2	1"	1.5	32	25.4	19	2"	66g
AWR15315A-1.5	1 1/2"	1.5	45	38.1	29	1 1/2"	161g
AWR15315A-2	1 1/2"	1.5	45	38.1	29	2"	161g
AWR20315A-2	2"	1.5	51	50.8	32	2"	320g



ADJ. RAIL SUPPORT RADIUSED "EXTERNAL FIT" AISI 316

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

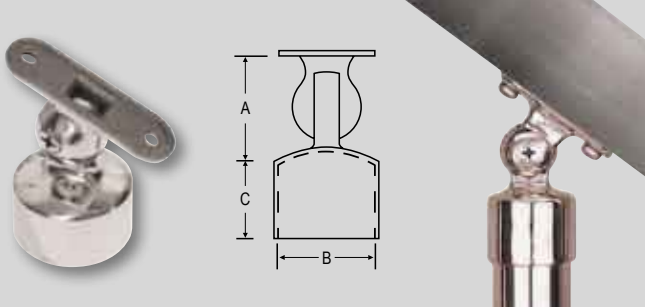
Code	Tube Ø	Wall	A	B	C	R	Wgt
AWR10316A-1	1"	1.5	32	25.4	19	1"	80g
AWR10316A-2	1"	1.5	32	25.4	19	2"	80g
AWR20316A-2	2"	1.5	51	50.8	32	2"	302g



ADJ. RAIL SUPPORT FLAT "INTERNAL FIT" AISI 316

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

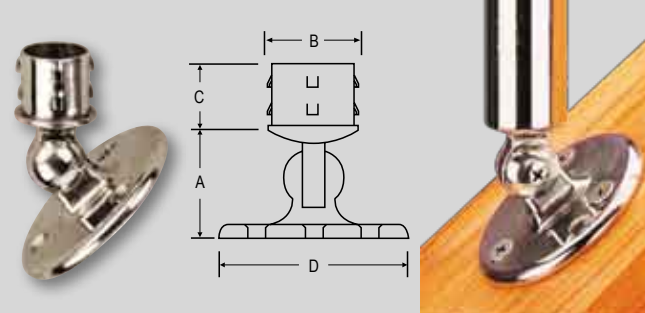
Code	Tube Ø	Wall	A	B	C	Wgt
AWR10315AP	1"	1.5	32	25.4	19	75g
AWR15315AP	1 1/2"	1.5	45	38.1	29	157g
AWR20315AP	2"	1.5	51	50.8	32	299g



ADJ. RAIL SUPPORT FLAT "EXTERNAL FIT" AISI 316

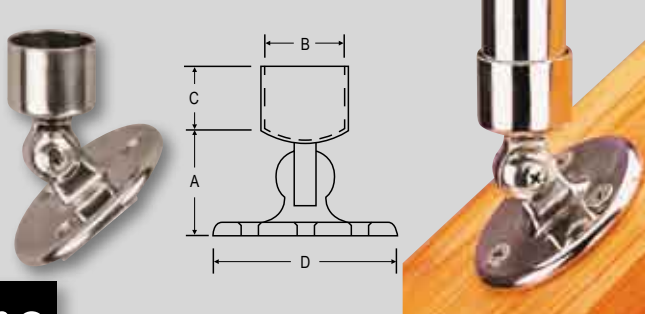
- Fully adj. handrail support for fixing stairway posts to angled flat handrails
- Internal ribs negate the need for welding or a true end cut of the tube

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



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

Code	Tube Ø	Wall	A	B	C	D	Wgt
AWR10315AC	1"	1.5	32	25.4	19	60	140g
AWR15315AC	1 1/2"	1.5	38	38.1	22	76	370g
AWR20315AC	2"	1.5	51	50.8	26	101	600g



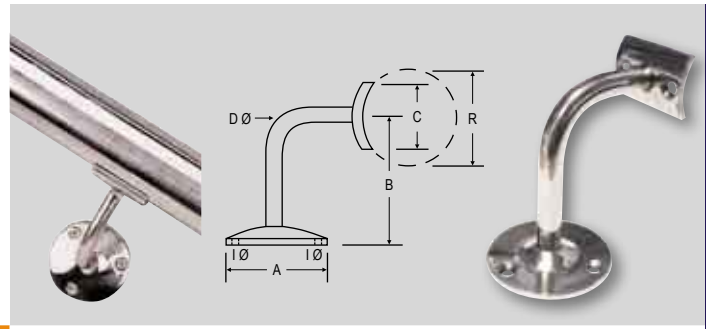
ADJ. RAIL SUPPORT ROUND BASE "EXTERNAL FIT" AISI 316

Code	Tube Ø	Wall	A	B	C	D	Wgt
AWR10316AC	1"	1.5	32	25.4	19	60	140g
AWR20316AC	2"	1.5	51	50.8	26	101	600g

HANDRAIL SUPPORT "RADIUSED" AISI 306

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

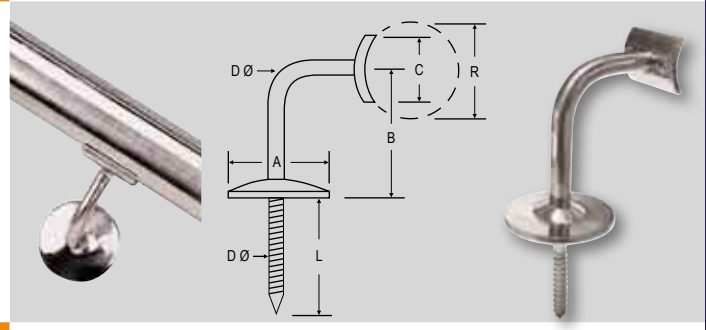
Code	A	B	C	D	I	R	Wgt
AWR1528A	63	85	31	12	5.5	1 1/2"	247g
AWR2028A	63	85	31	12	5.5	2"	247g



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

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

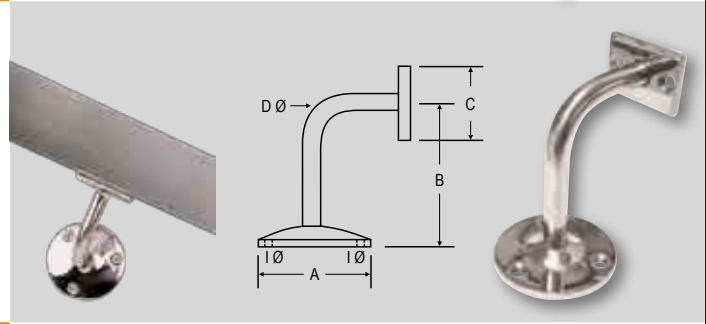
Code	A	B	C	D	L	R	Wgt
AWR1528A-S	63	85	31	12	50	1 1/2"	280g
AWR2028A-S	63	85	31	12	40	2"	280g



HANDRAIL SUPPORT "FLAT TOP" AISI 316

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

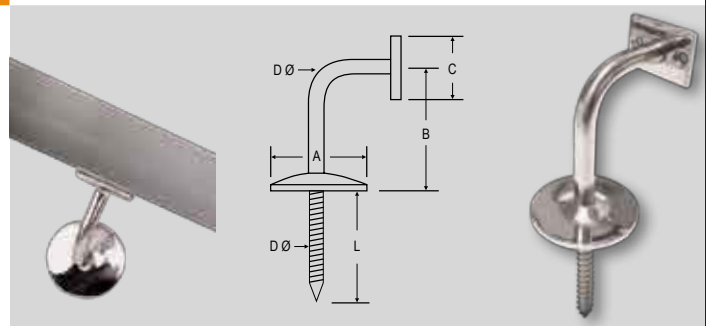
Code	A	B	C	D	I	Wgt
AWR2029A	63	85	31	12	5.5	243g



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

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

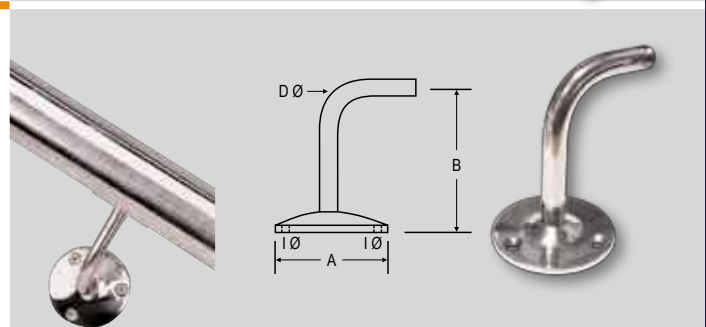
Code	A	B	C	D	L	Wgt
AWR2029A-S	63	85	31	12	60	280g



HANDRAIL SUPPORT W/OUT TOP AISI 316

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

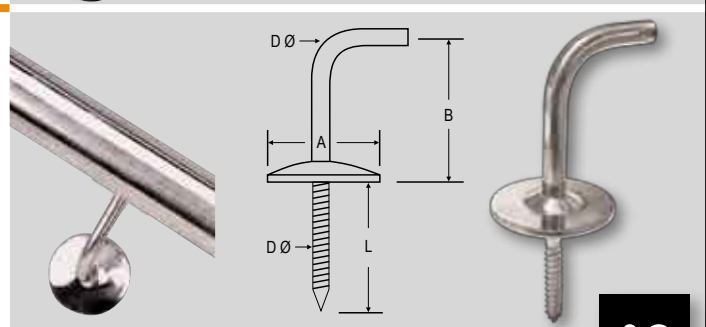
Code	A	B	D	I	Wgt
AWR2028A-B	63	85	12	5.5	235g

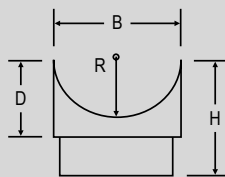


H/RAIL SUPP. W/- COACH SCREW W/OUT TOP AISI 316

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

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

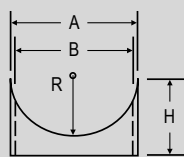




PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

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

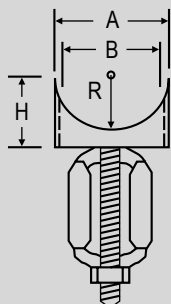
Code	Tube Ø	Wall	B	D	H	R	Wgt
AWR027A-1	1"	1.5	25.4	7	30	1"	40g
AWR1027A-1.5	1"	1.5	25.4	7	30	1 1/2"	40g
AWR1027A-2	1"	1.5	25.4	7	30	2"	40g
AWR1527A-1.5	1 1/2"	1.5	38.1	15	41	1 1/2"	89g
AWR1527A-2	1 1/2"	1.5	38.1	15	41	2"	89g
AWR2027A-2	2"	1.5	50.8	32	57	2"	156g



PERPENDICULAR JOINER "EXTERNAL CAP" AISI 316

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

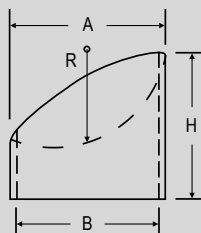
Code	Tube Ø	A	B	H	R	Wgt
AWR05313A-2	1/2"	15.8	13.1	9.3	2"	6g
AWR10313A-2	1"	28.5	25.8	17	2"	23g
AWR15313A-1.5	1 1/2"	43.0	39.0	25	1 1/2"	46g
AWR15313A-2	1 1/2"	43.0	39.0	25	2"	46g
AWR20313A-2	2"	55.0	51.5	39	2"	101g



PERP. JOINER EXPANDING CAGE "EXTERNAL FIT" AISI 316

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

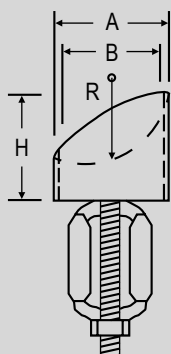
Code	Tube Ø	A	B	H	R	Wgt
AWR10313AL-2	1"	28.5	25.8	17	2"	41g
AWR15313AL-1.5	1 1/2"	43.0	39.0	25	1 1/2"	98g
AWR15313AL-2	1 1/2"	43.0	39.0	25	2"	98g
AWR20313AL-2	2"	55.0	51.5	39	2"	188g



PERPENDICULAR JOINER "37° EXTERNAL CAP" AISI 316

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

Code	Tube Ø	A	B	H	R	Wgt
AWR10314A-2	1"	28.5	25.8	32	2"	34g
AWR15314A-1.5	1 1/2"	42.0	38.8	44	1 1/2"	91g
AWR15314A-2	1 1/2"	42.0	38.8	44	2"	91g
AWR20314A-2	2"	56.0	51.4	56	2"	188g



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

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

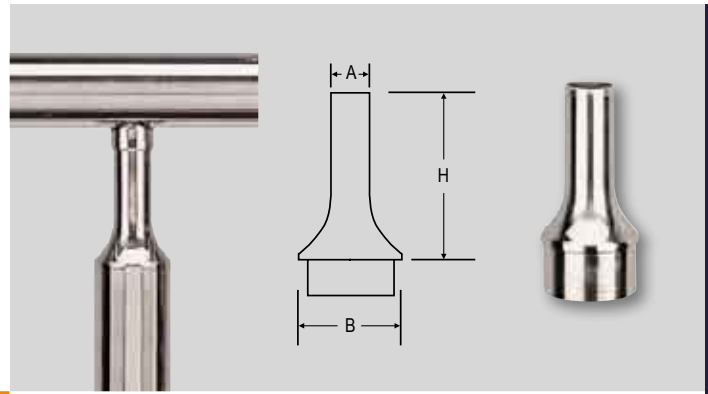
Code	Tube Ø	A	B	H	R	Wgt
AWR10314AL-2	1"	28.5	25.8	32	2"	120g
AWR15314AL-1.5	1 1/2"	42.0	38.8	44	1 1/2"	180g
AWR15314AL-2	1 1/2"	42.0	38.8	44	2"	180g
AWR20314AL-2	2"	56.0	51.4	56	2"	200g

POST REDUCERS

POST REDUCER "TAPERED" AISI 316

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

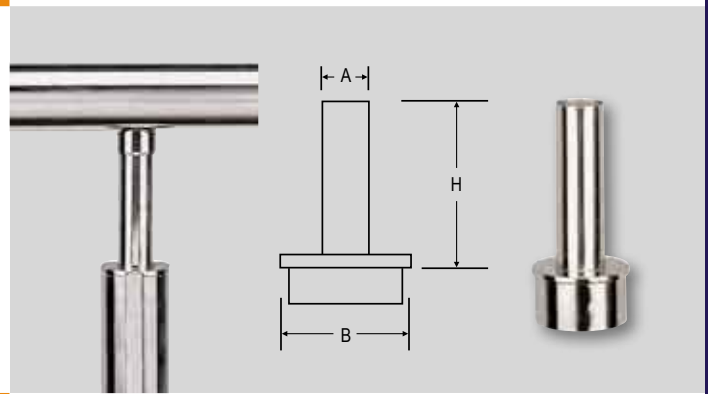
Code	Tube Ø	Wall	A	B	H	Wgt
AWR1520A	1 ½"	1.5	¾"	38.1	81	118g
AWR2020A	2"	1.5	1"	50.8	81	194g



POST REDUCER "FLAT" AISI 316

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

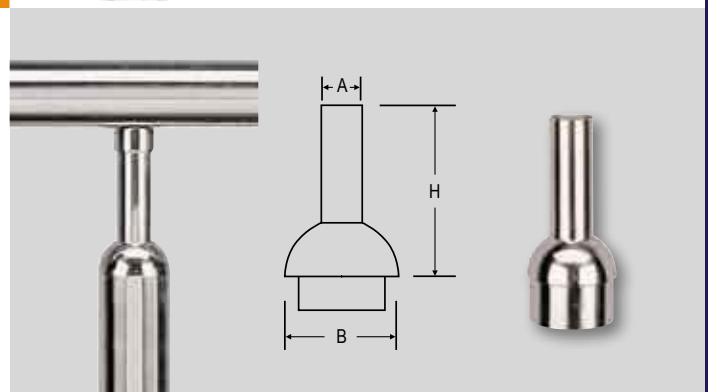
Code	Tube Ø	Wall	A	B	H	Wgt
AWR1522A	1 ½"	1.5	¾"	38.1	87.5	84g
AWR2022A	2"	1.5	1"	50.8	87.5	167g



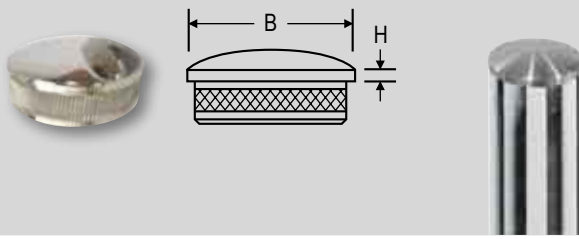
POST REDUCER "DOME" AISI 316

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

Code	Tube Ø	Wall	A	B	H	Wgt
AWR1512A	1 ½"	1.5	¾"	38.1	87.5	112g
AWR2012A	2"	1.5	1"	50.8	87.5	207g



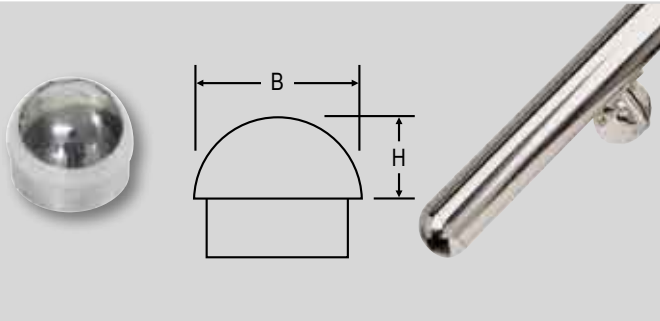
Modular components,
reduced assembly
time, no special
tools required!



END CAP "SELF GRIP" AISI 316

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

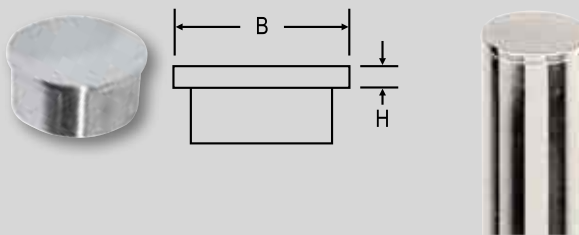
Code	Tube Ø	Wall	B	H	Wgt
AWR1517A	1 1/2"	1.5	38.1	2.5	65g
AWR2017A	2"	1.5	50.8	2.5	125g



END CAP "DOME" AISI 316

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

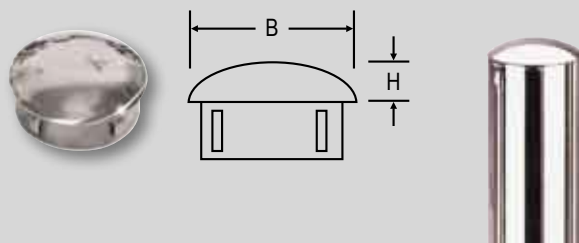
Code	Tube Ø	Wall	B	H	Wgt
AWR1018A	1"	1.5	25.4	13	30g
AWR1518A	1 1/2"	1.5	38.1	19	65g
AWR2018A	2"	1.5	50.8	25	150g



END CAP "FLAT" AISI 316

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

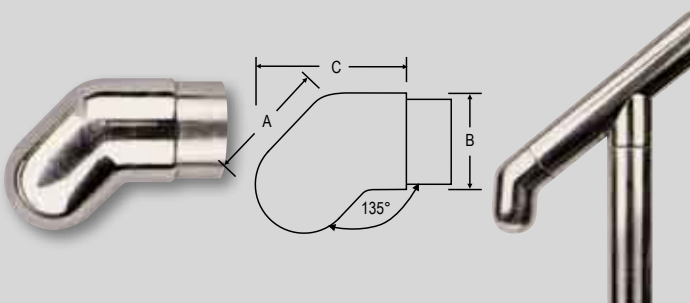
Code	Tube Ø	Wall	B	H	Wgt
AWR1019A	1"	1.5	25.4	1.8	20g
AWR1519A	1 1/2"	1.5	38.1	3.5	50g
AWR2019A	2"	1.5	50.8	4.0	85g



END CAP "LIGHT KNOCK-IN" AISI 316

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

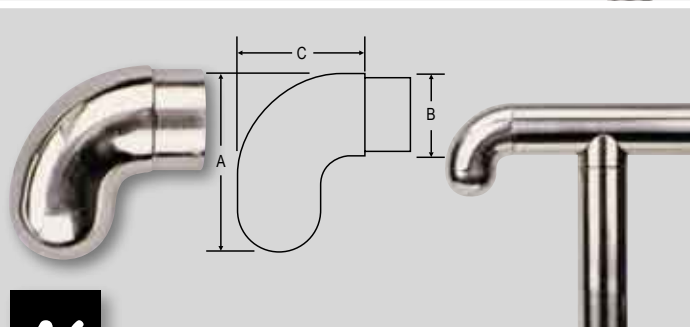
CODE	Tube Ø	Wall	B	H	Wgt
AWR1030A	1"	1.5	25.4	4.0	10g
AWR1530A	1 1/2"	1.5	38.1	6.0	15g
AWR2030A	2"	1.5	50.8	8.0	30g



HANDRAIL END "45°" AISI 316

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

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



HANDRAIL END "90°" AISI 316

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

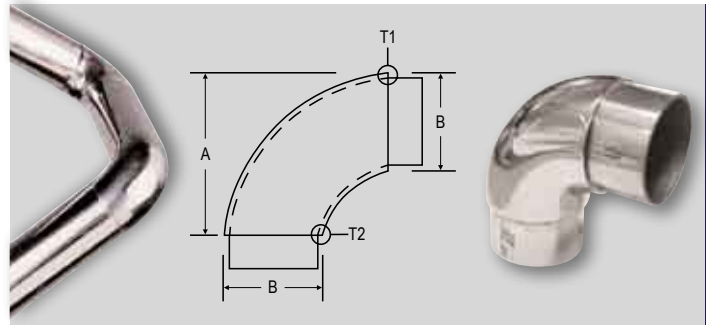
Code	Tube Ø	Wall	A	B	C	Wgt
AWR2026A	2"	1.5	89	50.8	70	420g

HEAVY DUTY COMPONENTS

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

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

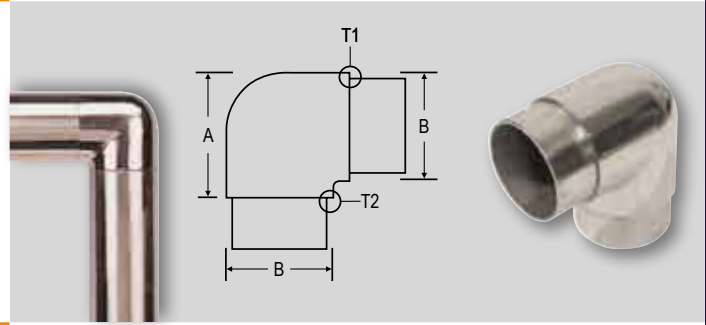
Code	Tube	Wall	A	B	T1	T2	Wgt
AWR2001E-2	2"	1.5/2.0	65	50.8	1.5	2.0	395g



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

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

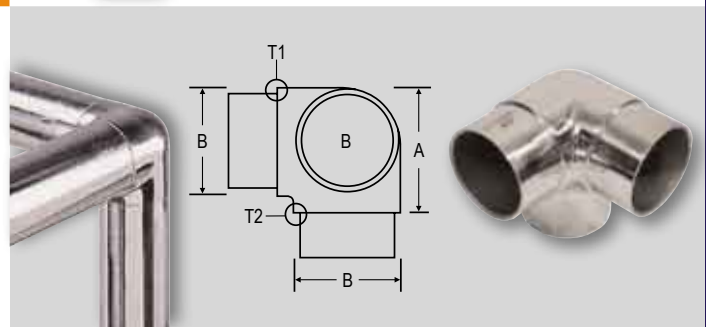
Code	Tube	Wall	A	B	T1	T2	Wgt
AWR2002E-2	2"	1.5/2.0	61	50.8	1.5	2.0	405g



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

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

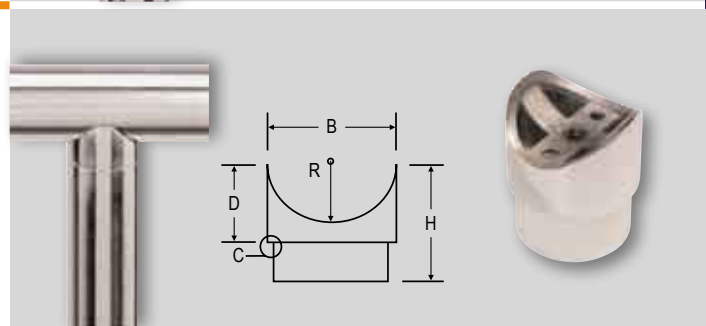
Code	Tube	Wall	A	B	T1	T2	Wgt
AWR2006E-2	2"	1.5/2.0	61	50.8	1.5	2.0	450g



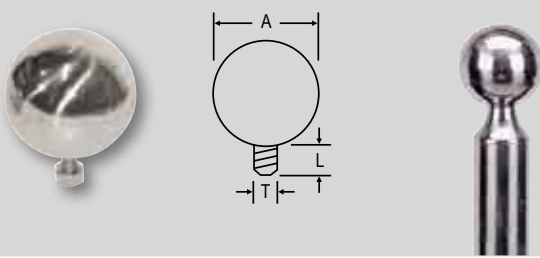
PERPENDICULAR JOINER "FLUSH FITTING" "HEAVY DUTY" AISI 316

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

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

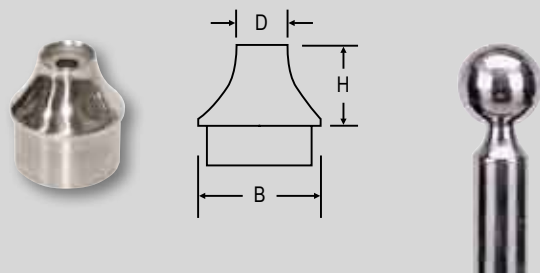


Heavy duty components are ideal for corner posts



BALL 2 1/2" W/NUT & THREAD AISI 316

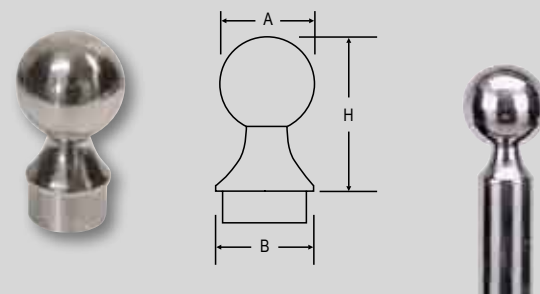
Code	A	T	L	Wgt
AWR2021B	63	M10	18	121g



HANDRAIL "EXIT" AISI 316

• Connect to ball AWR2021B with blind rivet nut & cap screw (see page 66) to create any stairway angle

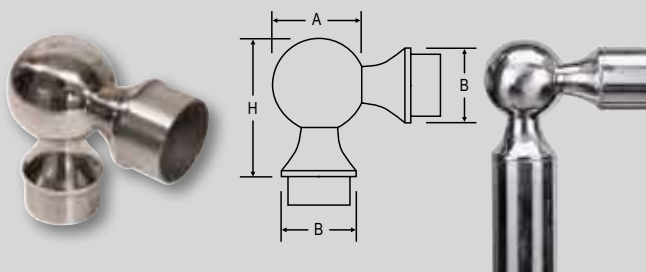
Code	Tube Ø	Wall	B	H	D	Wgt
AWR2021X	2"	1.5	50.8	29	25	115g



BALL TYPE JOINER "CAP" AISI 316

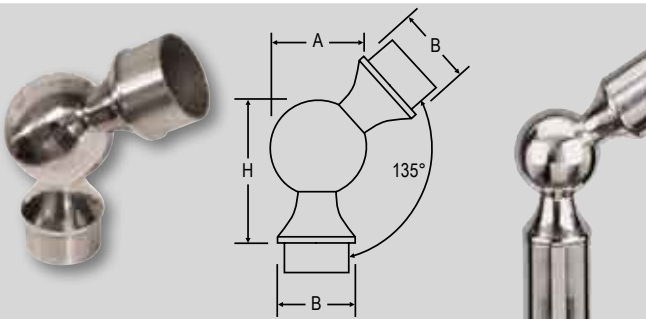
• Connect AWR2021X to this item with blind rivet nut and cap screw (see page 66) to create any stairway angle

Code	Tube Ø	Wall	A	B	H	Wgt
AWR2001C	2"	1.5	63	50.8	88	236g



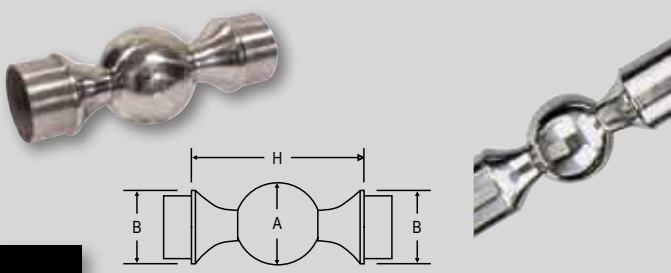
BALL TYPE JOINER "90°" AISI 316

Code	Tube Ø	Wall	A	B	H	Wgt
AWR2002C	2"	1.5	63	50.8	88	365g



BALL TYPE JOINER "135°" AISI 316

Code	Tube Ø	Wall	A	B	H	Wgt
AWR2003C	2"	1.5	63	50.8	88	365g

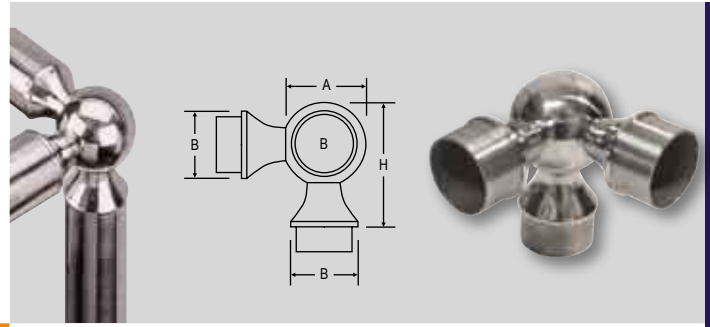


BALL TYPE JOINER "IN-LINE" AISI 316

Code	Tube Ø	Wall	A	B	H	Wgt
AWR2004C	2"	1.5	63	50.8	114	365g

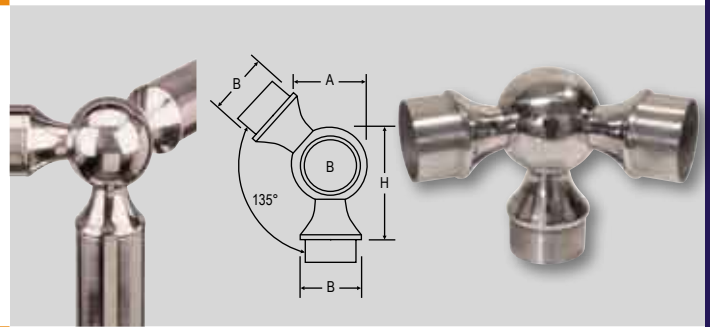
BALL TYPE JOINER "90° TEE" AISI 316

Code	Tube Ø	Wall	A	B	H	Wgt
AWR2006C	2"	1.5mm	63	50.8	88	500g



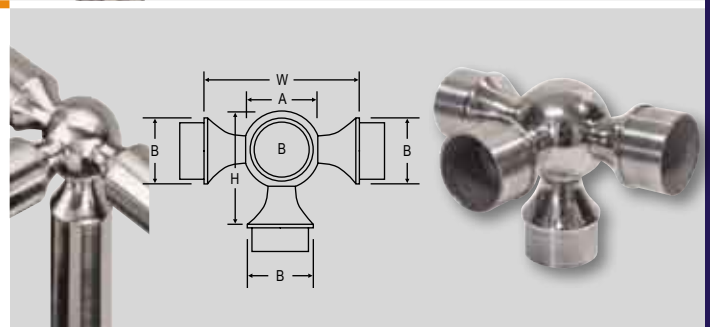
BALL TYPE JOINER "135° TEE" AISI 316

Code	Tube Ø	Wall	A	B	H	Wgt
AWR2007C	2"	1.5mm	63	50.8	88	500g



BALL TYPE JOINER "4-WAY TEE" AISI 316

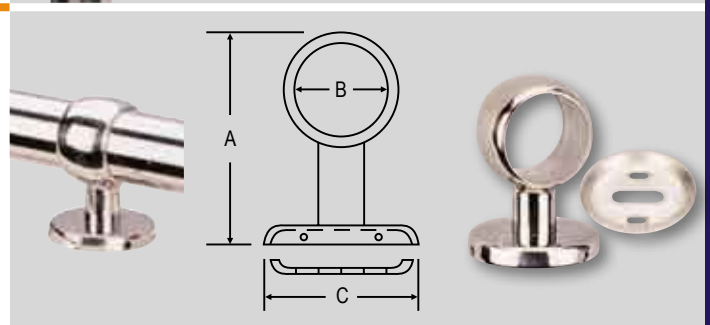
Code	Tube Ø	Wall	A	B	H	W	Wgt
AWR2008C	2"	1.5mm	63	50.8	88	114	630g



PARAPET RAIL SUPPORT "CENTRE SUPPORT" AISI 304

- Concealed base handrail centre support
- Designed to be mounted on top of a nub wall, vertical wall or floor

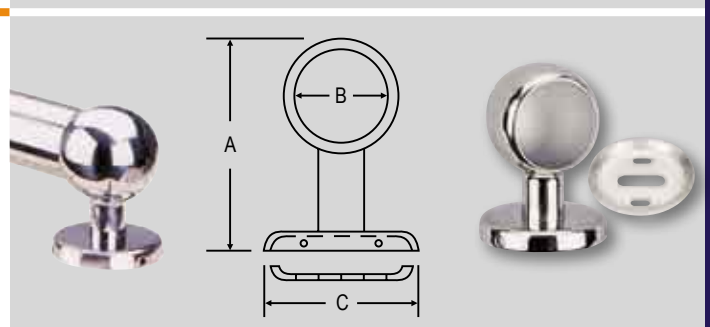
Code	Tube Ø	A	B	C	Wgt
AWR1558A	1 1/2"	100	38.1	78	265g
AWR2058A	2"	100	50.8	78	296g



PARAPET RAIL SUPPORT "END SUPPORT" AISI 304

- Concealed base handrail end support
- Designed to be mounted on top of a nub wall, vertical wall or floor

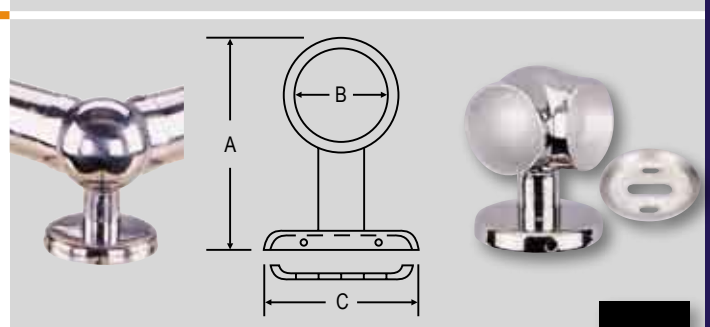
Code	Tube Ø	A	B	C	Wgt
AWR1559A	1 1/2"	100	38.1	78	278g
AWR2059A	2"	100	50.8	78	309g



PARAPET RAIL SUPPORT "CORNER SUPPORT" AISI 304

- Concealed base handrail corner support
- Designed to be mounted on top of a nub wall or floor to achieve a 90° corner

Code	Tube Ø	A	B	C	Wgt
AWR1560A	1 1/2"	100	38.1	78	288g
AWR2060A	2"	100	50.8	78	315g



Ball joiners look great in modern commercial application

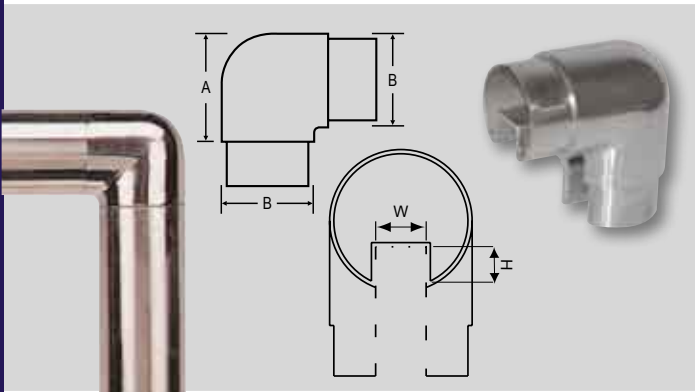


Give your job
the perfect finish

ROUND SLOTTED TUBE BLANKING STRIP AISI 316

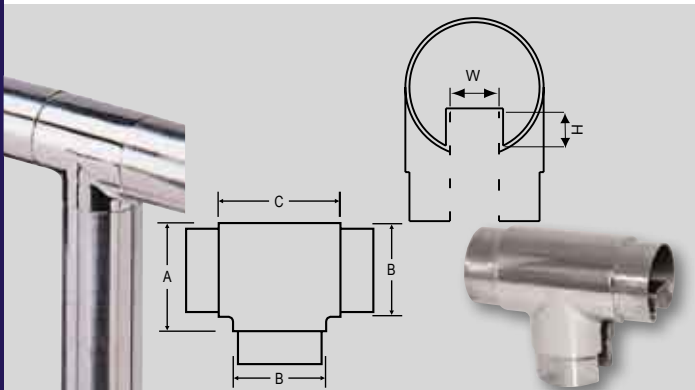
- Cut to size and fill in any gaps to complete handrails

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



FLUSH JOINER "90°" AISI 316

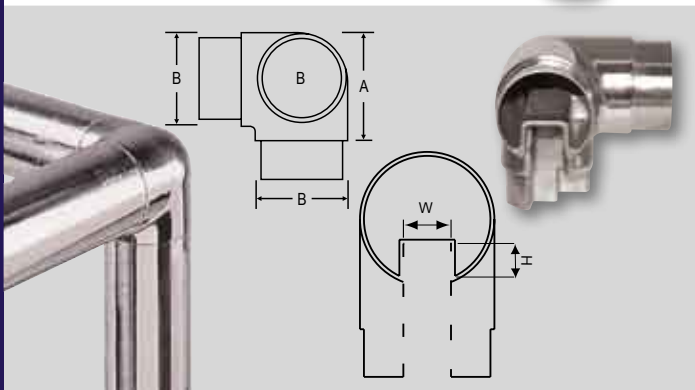
Code	Tube	Wall	A	B	H	W	Wgt
AWRRSST-2002	2"single slot	1.5	63	50.8	15	18	505g



FLUSH JOINER "TEE" AISI 316

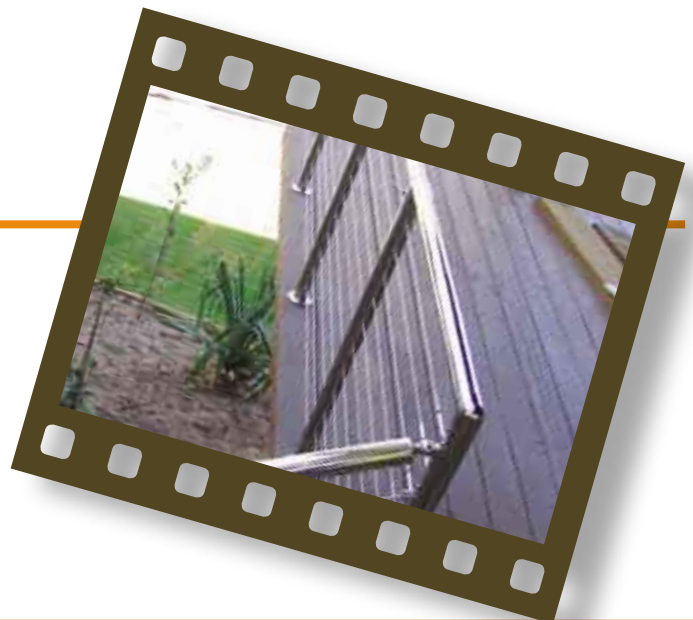
- Bottom section suits double slotted tube
- Top section suits single slotted tube

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



FLUSH JOINER "90° TEE" AISI 316

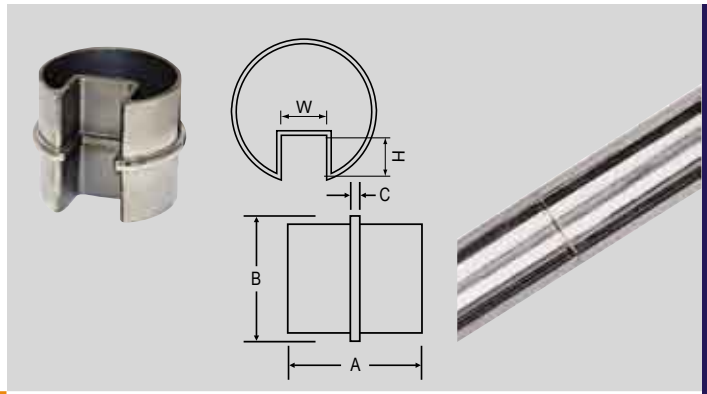
Code	Tube	Wall	A	B	H	W	Wgt
AWRRSST-2006	2"single slot	1.5	66	50.8	15	18	695g



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

FLUSH JOINER "IN LINE" AISI 316

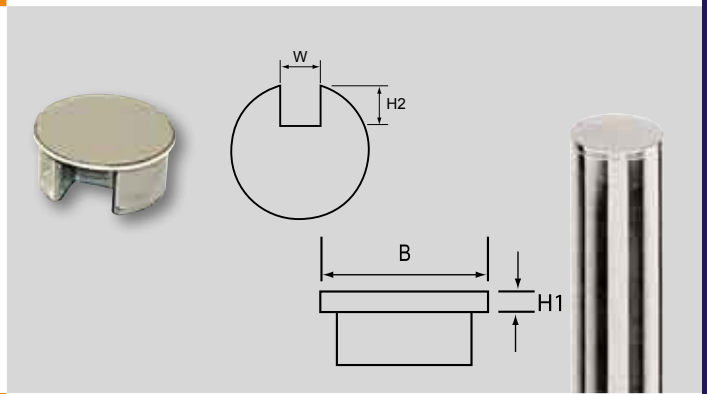
Code	Tube	Wall	A	B	C	H	W	Wgt
AWRRSST-2004	2" single slot	1.5	43	50.8	3.0	15	18	102g



END CAP "FLAT" AISI 316

• Use for handrail ends or freestanding post tops

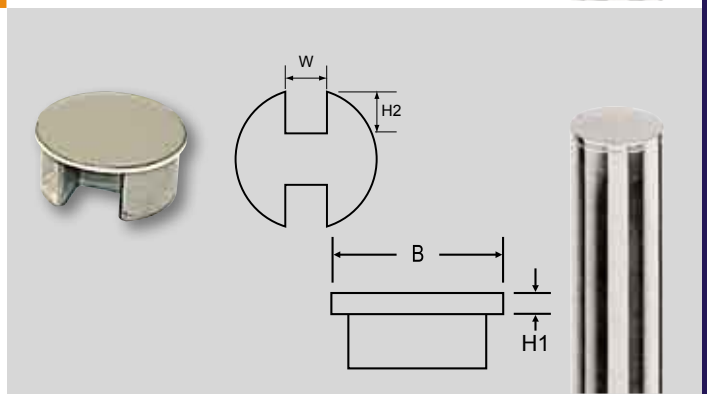
Code	Tube	Wall	B	H1	H2	W	Wgt
AWRRSST-2019	2" single slot	1.5	50.8	3.0	15	18	95g



END CAP "FLAT" AISI 316

• Use for handrail ends or freestanding post tops

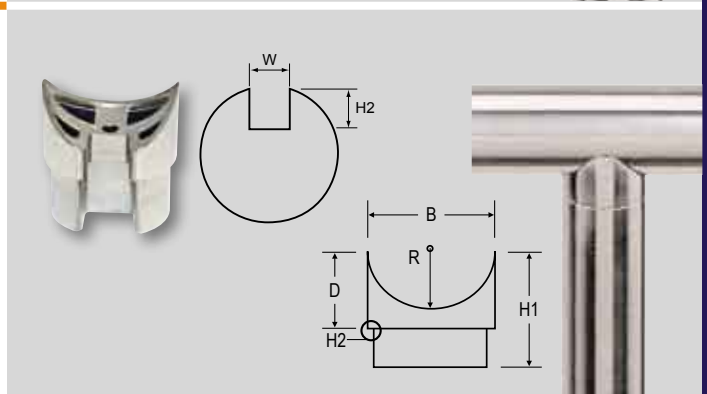
Code	Tube	Wall	B	H1	H2	W	Wgt
AWRRDST-2019	2" dbl slot	1.5	50.8	3.0	15	18	113g



PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

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

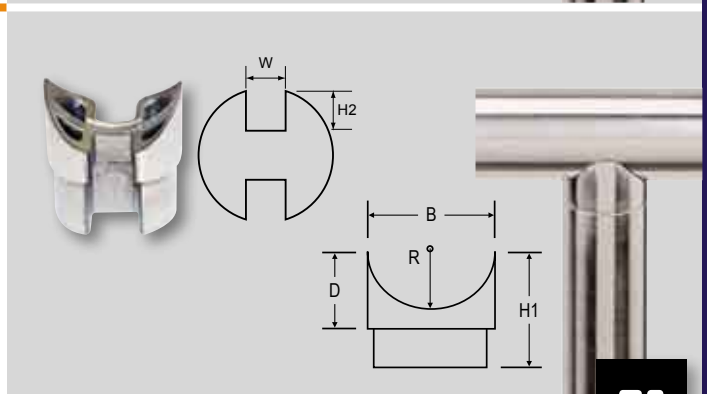
Code	Tube	Wall	B	D	H1	H2	W	R	Wgt
AWRRSST-2027	2" single slot	1.5	50.8	31	54	15	18	2"	151g



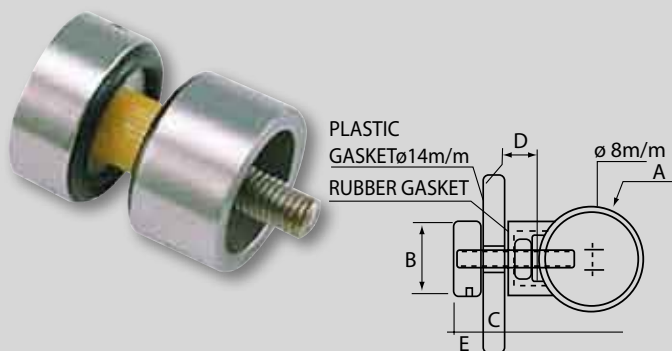
PERPENDICULAR JOINER "FLUSH FITTING" AISI 316

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

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



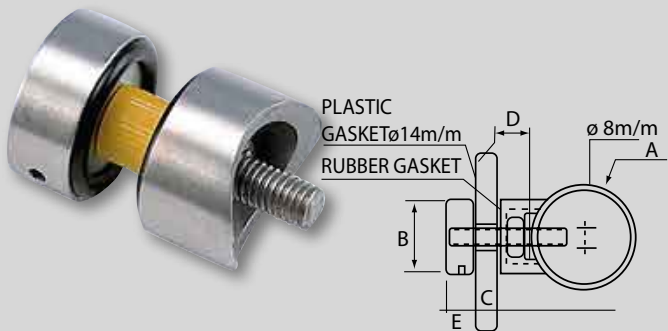
GLASS PRODUCTS



GLASS CLAMP "ROUND PIN" TYPE AISI 316 (MIRROR)

- Attractive easy to use bracket
- Glass drilling is required

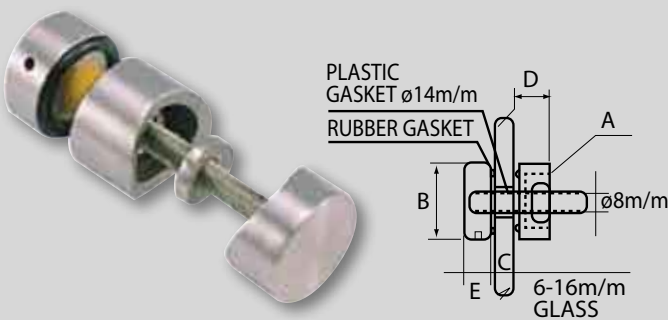
Code	Suit Post	Suit Glass
AWRGP-424S	Square / Flat	6-16mm



GLASS CLAMP "ROUND PIN" TYPE AISI 316 (MIRROR)

- Attractive easy to use bracket
- Glass drilling is required

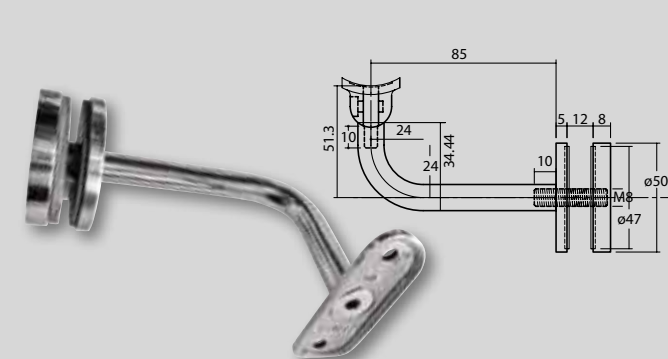
Code	Suit Post	Suit Glass
AWRGP-508SR	2" Round	6-16mm



GLASS CLAMP "ROUND PIN" TYPE (2) SIDE HOLD AISI 316 (MIRROR)

- Attractive easy to use bracket
- Glass drilling is required

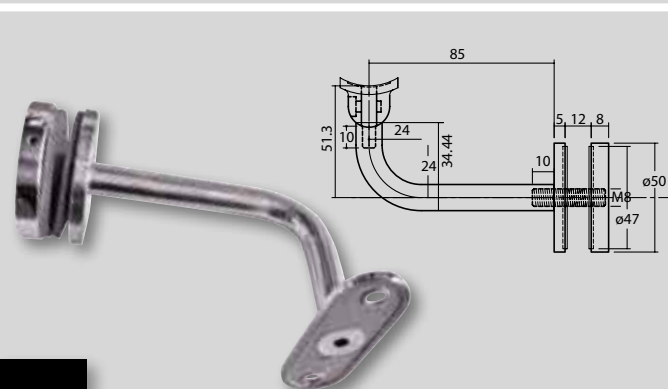
Code	Suit Post	Suit Glass
AWRGP-508LR	2" Round	6-16mm



GLASS HANDRAIL SUPPORT "RADIUSED" AISI 316

- Attractive support for fixing round posts to glass panels
- Radiused top with countersunk holes allows a handrail to be attached without the need for welding
- Glass drilling is required

Code	Suit Post	Suit Glass
AWRGP-2028	2" Round	12mm



GLASS HANDRAIL SUPPORT "FLAT TOP" AISI 316

- Attractive support for fixing flat/square posts to glass panels
- Flat top with countersunk holes allows a handrail to be attached without the need for welding
- Glass drilling is required

Code	Suit Post	Suit Glass
AWRGP-2029	Square / Flat	12mm

GLASS CLAMP - MEDIUM "D" TYPE AISI 316

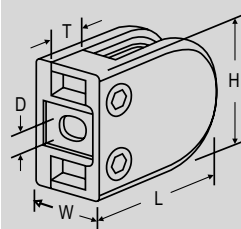
Mirror (M) or Satin (S)

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

- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 66)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

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



AWRSGC-310
AWRMGC-310

AWRSGC-311
AWRMGC-311

GLASS CLAMP - MEDIUM "D" TYPE, L/H SUPPORT AISI 316

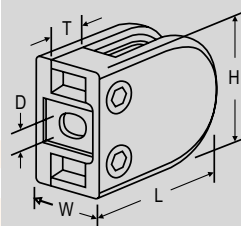
Mirror (M) or Satin (S)

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

- Please order gaskets to suit appropriate glass
- L/Hand or R/Hand corner glass hold for supporting glass
- Unique design to stop slippage of excessively heavy panels of glass
- Fix to posts with blind rivet nuts and cap screws (see page 66)

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

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



AWRSGC-310-L
AWRMGC-310-L
AWRSGC-310-R
AWRMGC-310-R

AWRSGC-311-L
AWRMGC-311-L
AWRSGC-311-R
AWRMGC-311-LR

RUBBER GASKETS FOR GLASS CLAMPS

310 / 311 Series

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

Note:
Gaskets are sold
separately

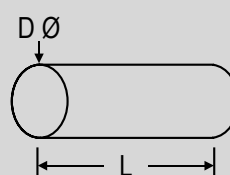


GLASS CLAMP NYLON CENTRE PIN

310 / 311 Series

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

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



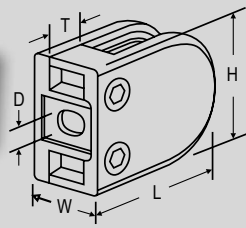
For large panes of glass use
the corner "shelf" system to
eliminate glass slippage



AWMSGC-320
AWRMGC-320



AWMSGC-321
AWRMGC-321



GLASS CLAMP - LARGE "D" TYPE AISI 316

Mirror (M) or Satin (S)

- Mirror or Satin surface finish clamps to suit 8.0, 10.0 & 12.0mm glass
- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 66)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

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



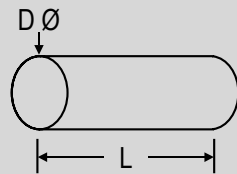
Note:
Gaskets are sold separately

RUBBER GASKETS FOR GLASS CLAMPS

320 / 321 Series

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

GLASS CLAMPS



GLASS CLAMP NYLON CENTRE PIN

320 / 321 Series

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

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



GLASS CLAMP SCREW COVER CAP

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

Code	Suit Clamp	Sold
AWRGC-CAP	All	Pair



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

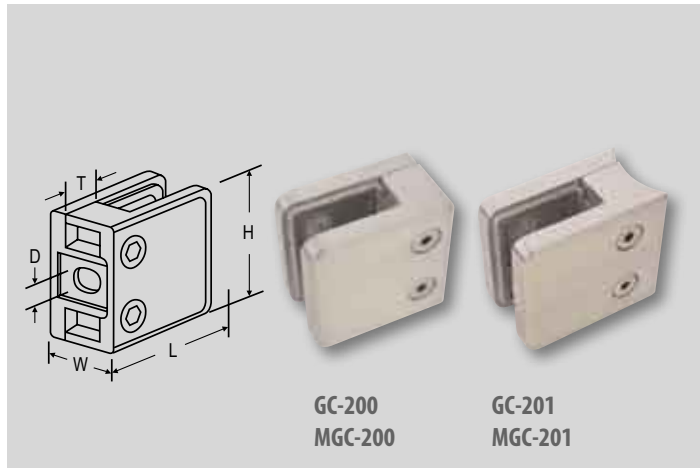
GLASS CLAMP - LARGE SQUARE TYPE AISI 316

Mirror (M) or Satin (S)

- Mirror or Satin surface finish clamps to suit 8.0, 10.0 & 12.0mm glass
- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 66)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

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

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



RUBBER GASKETS FOR GLASS CLAMPS

200 / 201 Series

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

Note:
Gaskets are sold separately

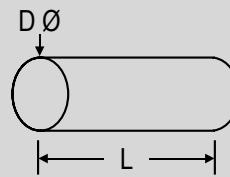


GLASS CLAMP NYLON CENTRE PIN

200 / 201 Series

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

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



GLASS CLAMP - SMALL SQUARE TYPE AISI 316

Mirror (M) or Satin (S)

- Mirror or Satin surface finish clamps to suit 6.0 & 8.0mm glass
- Please order gaskets to suit appropriate glass
- Fix to posts with blind rivet nuts and cap screws (see page 66)
- Clamps can support approx. 60-80kgs per 2 clamps vertically positioned

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

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



RUBBER GASKETS FOR GLASS CLAMPS

210 / 211 Series

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

Note:
Gaskets are sold separately





PRE MADE INTERMEDIATE POSTS - SATIN 25mm Square

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

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

PRE MADE INTERMEDIATE POSTS - MIRROR 50 X 10 mm

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

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

PRE MADE INTERMEDIATE POSTS - SATIN 50 X 5 mm

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

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

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



New pre-fabricated posts coming soon, ring for new product update today!

STANDARD POOL FENCE PANELS - SUITS BOTH DIVERSE CLAMP AND STAINLESS SPIGOTS

- All glass is toughened with glazing certificates available
- All glass has 4 x 20mm holes for the clamps to be installed

Code	Thickness	Length	Height
DG-12MM-0600	12	600	1200
DG-12MM-0700	12	700	1200
DG-12MM-0800	12	800	1200
DG-12MM-0900	12	900	1200
DG-12MM-1000	12	1000	1200
DG-12MM-1100	12	1100	1200
DG-12MM-1200	12	1200	1200
DG-12MM-1300	12	1300	1200
DG-12MM-1400	12	1400	1200
DG-12MM-1500	12	1500	1200
DG-12MM-1600	12	1600	1200
DG-12MM-1700	12	1700	1200
DG-12MM-1800	12	1800	1200
DG-12MM-1900	12	1900	1200
DG-12MM-2000	12	2000	1200

HINGE PANELS - PRE-DRILLED WITH 8 HOLES FOR HINGES AND CLAMPS

- Can be mixed and matched with latch panels to suit application

Code	Thickness	Length	Height
DG-12MM-HG-1200	12	1200	1200
DG-12MM-HG-1600	12	1600	1200

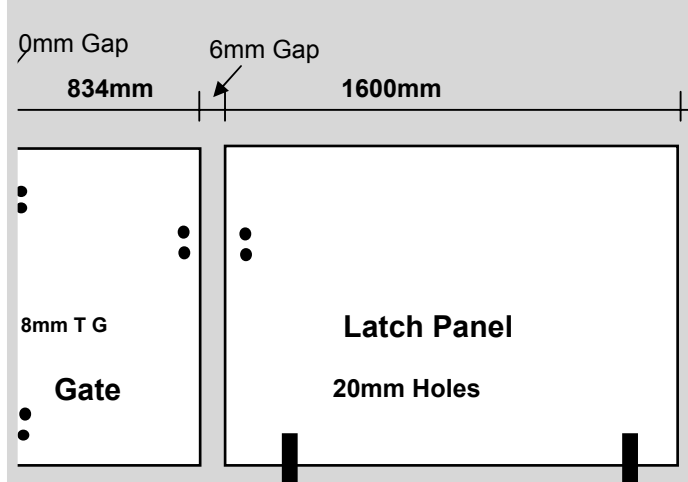
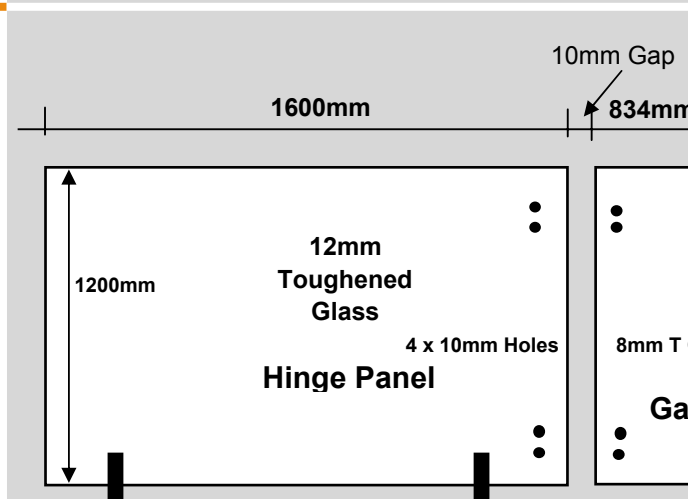
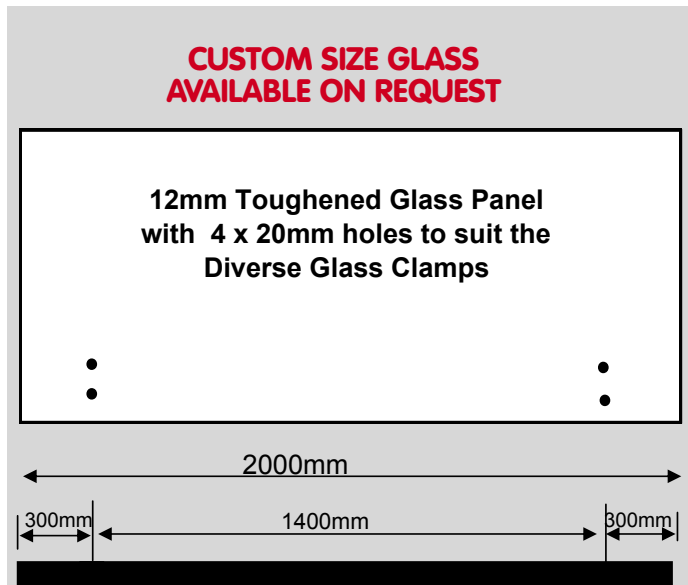
GLASS GATE - PRE-DRILLED WITH 6 X 10mm HOLES TO SUIT HINGES AND LATCH

Code	Thickness	Length	Height
DG-08MM-GATE	8	834	1200

LATCH PANELS - PREDRILLED WITH 6 HOLES FOR LATCH AND CLAMPS

- Can be mixed and matched with hinge panels to suit application

Code	Thickness	Type	Length	Height
DG-12MM-LG-0800	12	Glass - Latch	800	1200
DG-12MM-LG-1000	12	Glass - Latch	1000	1200
DG-12MM-LG-1200	12	Glass - Latch	1200	1200
DG-12MM-LG-1600	12	Glass - Latch	1600	1200



Panels of glass are perfect for unrestricted views of water and landscape areas.



DIVERSE GLASS

- See page 58 for Glass Panels

Product	Code
DIVERSE GLASS CLAMP	DGC
DRESS RING - SUIT DIVERSE GLASS CLAMP	DGC-DR
BASE PLATE - SUIT DIVERSE GLASS CLAMP	DGC-BP
MOUNTING BRACKET - SUIT DIVERSE GLASS CLAMP	DGC-MB
GATE KIT - 2 X HINGES, 1 X LATCH	DGC-GK
HINGE KIT ONLY - INCLUDES 2 HINGES	DGC-HK
LATCH KIT ONLY	DGC-LK
HINGE CONE COVER CAP	DGC-HC
M16 X 100 HEX HEAD BOLT	DGC-M16100HEX
M16 X 50 COUNTERSUNK BOLT	DGC-M1650CSS

HOW TO ORDER

Core Drill Application

Per panel - ie 2 clamps - 2 x DGC Glass Clamp, 2 x DGC-DR Dress Ring to cover core drill hole, 2 x M16100HEX Key locking bolt.

Base Plate Application

Per panel - ie 2 clamps - 2 x DGC Glass Clamp, 2 x DGC-BP Base Plates, 2 x M1650CSS Countersunk bolt.

- Countersunk bolts must be done up "Hammer" tight

Mounting Bracket Application.

Per panel - ie 2 clamps - 2 x DGC Glass Clamp, 2 x DGC-MB Mounting Brackets, 2 x M1650CSS Countersunk bolt.

- Countersunk bolts must be done up "Hammer" tight

Hinge and Latch Kits.

These can be ordered as a complete gate kit DGC-GK or ordered separately. A Gate Kit consists of 2 Hinges and 1 Latch.

IT'S SIMPLE... BUT REVOLUTIONARY!

Unlike other glass fencing systems on the market, the Diverse Glass Clamp systems installs frameless glass pool fencing and balustrade to concrete, hardwood or structural steel and in most cases without disrupting existing finishes.

That's especially beneficial to applications in established homes, but DGC ease of installation is also an advantage in new projects. The DGC's system is revolutionary because it works without channels. This not only enables it to be fitted to an existing surface, but also allows broken panels to be easily removed and replaced without removing the clamp itself.

ADVANTAGES AT A GLANCE

- Glass may be removed at any time without removing the clamp itself.
- Panels can be replaced easily, allowing open access to the fenced area.
- In new projects, the glass can be installed after all other trades have finished.
- Glass does not reach the floor, allowing ample drainage and minimising risk of damage.
- Existing surfaces are not disrupted.

STRONG AND FLEXIBLE

DGC system is designed and engineered to support 12mm toughened glass with a maximum sheet size per two clamps of 2200 wide x 1200 high. DGC consists of two main parts: the rigid support makes up most of the finished size, and a removable piece enables the glass installation.

The DGC has a height variable of up to 65mm depending on the fixing method. The DGC system also allows for horizontal, vertical and tilt glass adjustment. The DGC system is manufactured from structural aluminium and is rated to C2. Different mounting systems at the base of the clamp enable installation on various surfaces and in different environments.

DGC clamps are available in a Bonded Silver finish, with any powder coat colour available on request (additional cost).

**STAINLESS SPIGOT CLAMP - INCLUDING DRESS RING
MIRROR OR SATIN FINISH
MIRROR (M) OR SATIN (S) FINISH**

• See page 58 for Glass Panels

Code	Finish	Suit Glass
SSC-DR-M	Mirror	12
SSC-DR-S	Satin	12

**STAINLESS SPIGOT CLAMP
WITH BASE PLATE - INCLUDING COVER PLATE
MIRROR (M) OR SATIN (S) FINISH**

• See page 58 for Glass Panels

Code	Finish	Suit Glass
SSC-BP-M	Mirror	12
SSC-BP-S	Satin	12

STAINLESS GLASS HINGE & LATCH KIT

- Stainless Steel Hinges & Side Pull Latch Kit are supplied complete down to the nut & washer making them ready for fitting to glass panels.
- When purchasing, guidelines are supplied to simplify the ordering of processed glass.
- See page 58 for Gates and Glass Panels

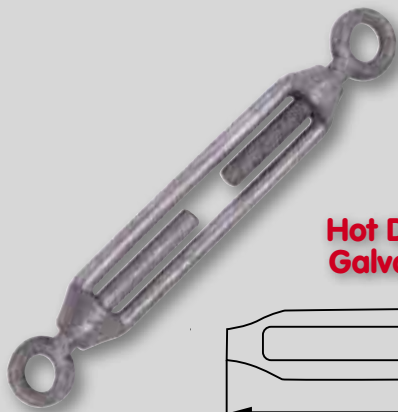
Code	Panel Size	Gate Size
SSC-GK	12mm Glass	8

EPERIZ INSTANT GROUT – 15KG

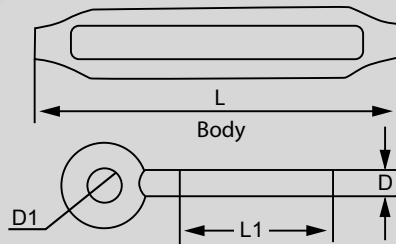
- Structural Grout
- When using the core drill fixing method we supply easy to use Eperiz 5 Star rapid set grout. Simply add water, mix and pour into hole.
- The grout will be strong enough to support glass within 1 hour.

Code	Weight
E5SG	15kg





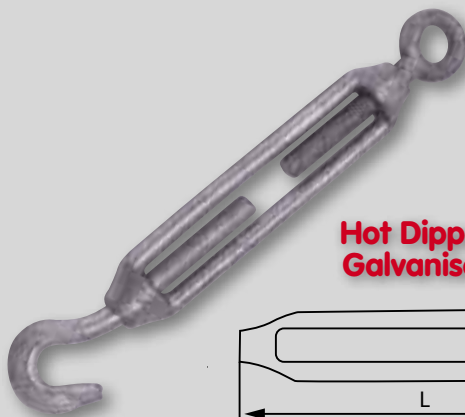
Hot Dipped Galvanised



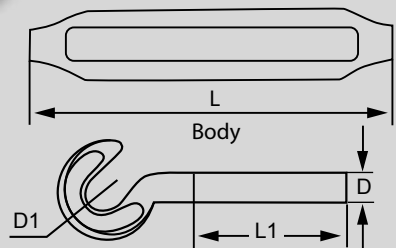
GALVANISED FORGED TURNBUCKLE EYE – EYE

- Heavy duty, commercial grade
- Forged and galvanized, conforms to JIS Standard
- For safe assurance and a guide to choose the right size, please check the WLL on the following chart for your reference
- The minimum ultimate strength is not less than 3 X WLL
- Not to be used for lifting.

Code	Size	WLL	L	L1	D1	D	Wgt
324206	6	70	100	48	11	6	0.1
324208	8	100	125	58	14	8	0.18
324210	10	230	150	70	18	10	0.31
324212	12	320	200	95	19	12	0.55
324216	16	630	250	105	24	16	1.1
324220	20	980	300	130	26	20	1.94
324222	22	1220	330	165	34	22	2.64
324225	25	1410	350	190	37	24	4.0
324228	28	1800	350	160	40	27	6.0
324232	32	2300	400	200	50	30	10.0



Hot Dipped Galvanised



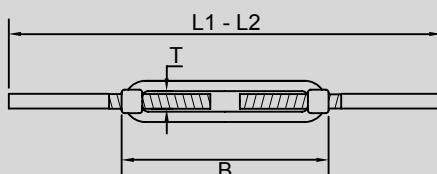
GALVANISED FORGED TURNBUCKLE HOOK – EYE

- Heavy duty, commercial grade
- Forged and galvanized, conforms to JIS Standard
- For safe assurance and a guide to choose the right size, please check the WLL on the following chart for your reference
- The minimum ultimate strength is not less than 3 X WLL
- Not to be used for lifting.

Code	Size	WLL	L	L1	D1	D	Wgt
323206	6	70	100	48	10	6	0.1
323208	8	100	125	58	12	8	0.18
323210	10	230	150	70	16	10	0.31
323212	12	320	200	95	18	12	0.55
323216	16	630	250	105	21	16	1.1
323220	20	980	300	130	26	20	1.94
323222	22	1220	330	165	32	22	2.64
323225	25	1410	350	190	36	24	4.0
323228	28	1800	350	160	36	27	6.0
323232	32	2300	400	200	40	30	10.0



Hot Dipped Galvanised



GALVANISED FORGED TURNBUCKLE STUB – STUB

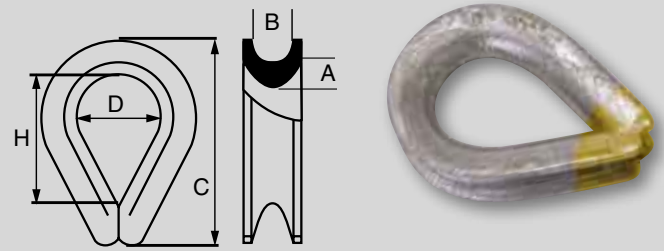
- Body Hot Dip Galvanised, Stubs Self Colour
- Heavy duty forged product

Code	T	L1	L2	B
325008	M8	208	300	123
325010	M10	260	362	145
325013	M12	310	450	200
325016	M16	370	542	252
325020	M20	460	650	295

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

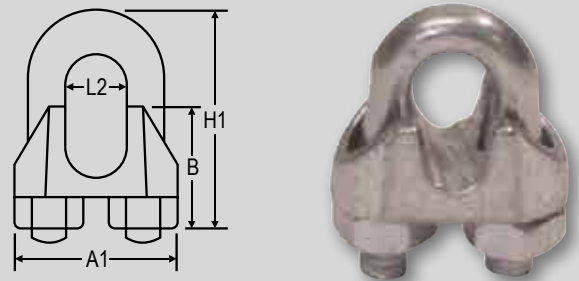
Code	Rope Ø	A	B	C	E	Wgt
BS464-06	6	4	7	25	16	0.04
BS464-08	8	5	7.9	33	22	0.052
BS464-10	10	5	10.3	38	25	0.08
BS464-12	12	6	14.3	44	32	0.13
BS464-14	14	7	15	46	38	0.15
BS464-16	16	8	15.9	59	41	0.26
BS464-20	20	10	21.6	75	52	0.50
BS464-22	22	10	22.2	83	57	0.62
BS464-24	24	11	25.4	92	64	0.9
BS464-26	26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



GALVANISED WIRE ROPE GRIP

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

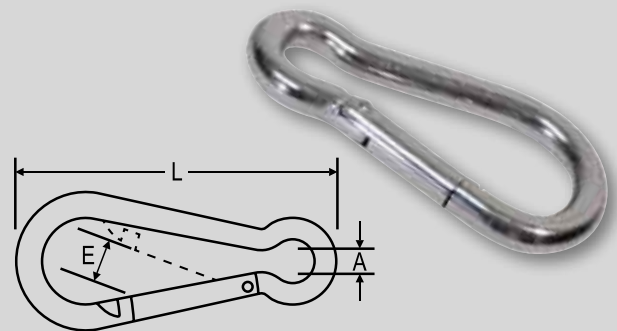
Code	Rope Ø	A1	B	H1	H2	L2	T	Wgt
301203	3.2	22	13	26	10	5.0	12.5	15g
301205	5.0	26	16	29	14	5.2	13.0	25g
301206	6.0	32	19	37	16	6.8	20.0	50g
301208	8.0	35	19	37	19	8.3	23.0	59g
301210	10.0	40	25	49	19	10.0	23.3	84g
301212	12.0	48	30	60	27	13.0	27.0	149g
301214	14.0	50	30	67	27	15.0	27.0	221g
301216	16.0	57	31	67	30	16.0	32.0	232g



GALVANISED SPRING HOOK ZINC PLATED

- Zinc plated galvanised spring hook for non rated applications

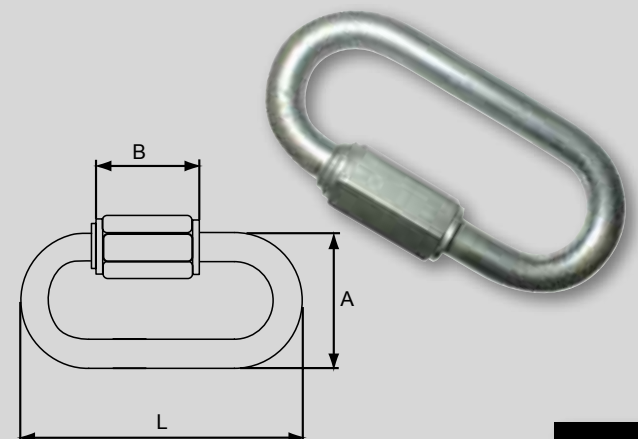
Code	Size	A	L	E	WLL	Wgt
425204	4	7	40	7	80	9g
425205	5	8	50	7	100	14g
425206	6	9	60	8	120	25g
425208	8	12	80	9	180	61g
425210	10	15	100	11	230	122g
425212	12	20	140	119	380	251g



QUICK LINK ELECTRO-GALVANISED

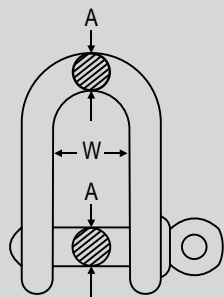
- Oval Shape • Positive Screw Lock
- Electro-Zinc plated • Not for Lifting Applications

Code	D	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



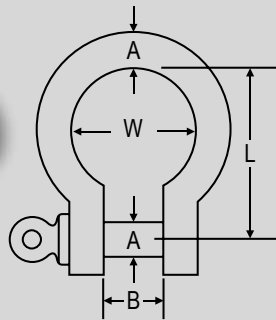
GALVANISED "D" SHACKLE

• 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



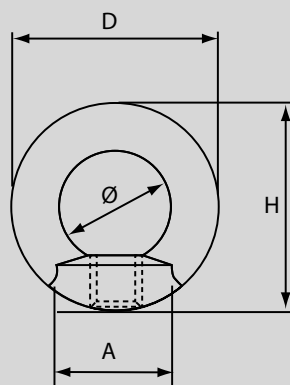
Hot Dipped Galvanised



GALVANISED BOW SHACKLE

• Hot dipped galvanized Bow Shackle suitable for non rated applications

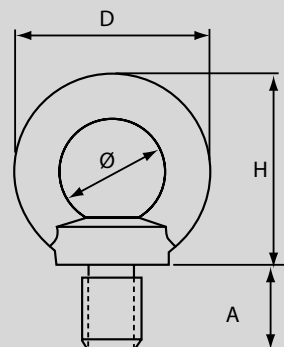
Code	A	B	L	W	Wgt
205305	5	10	19	15	16g
205306	6	13	25	18	28g
205308	8	16	32	24	52g
205310	10	19	41	20	112g
205312	12	25	51	39	183g
205316	16	32	68	48	486g
205320	20	38	80	57	844g



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	0.055
359208	M8	0.14	20	20	36	36	0.06
359210	M10	0.23	25	25	45	45	0.1
359212	M12	0.34	30	30	54	53	0.19
359214	M14	0.49	35	35	63	62	0.29
359216	M16	0.70	35	35	63	62	0.31
359220	M20	1.2	40	40	72	71	0.45
359222	M22	1.5	45	45	81	80.5	0.68
359224	M24	1.8	50	50	90	90	0.72
359227	M27	2.5	50	50	90	97	1.16
359230	M30	3.6	65	65	108	109	1.6



GALVANISED EYE BOLT W/COLLAR

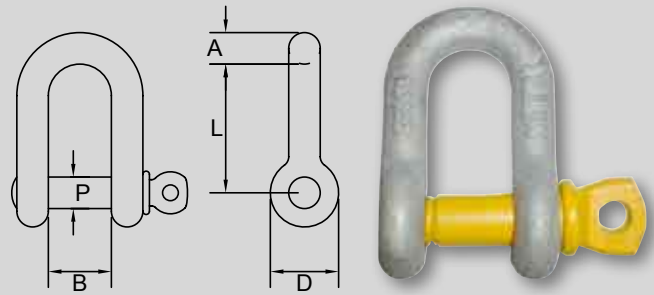
• Din standard 580 - C15 grade gold (zinc) finish, marked with identifications & WLL

Code	Size	WLL	Ø	A	D	H	Wgt
359106	M6	0.07	17	13	28	36	0.055
359108	M8	0.14	20	13	36	36	0.06
359110	M10	0.23	25	17	45	45	0.1
359112	M12	0.34	30	20	54	53	0.19
359114	M14	0.49	35	27	63	62	0.29
359116	M16	0.70	35	27	63	62	0.31
359120	M20	1.2	40	30	72	71	0.45
359122	M22	1.5	45	35	81	80.5	0.68
359124	M24	1.8	50	36	90	90	0.72

GOLD PIN GRADE S DEE SHACKLES

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

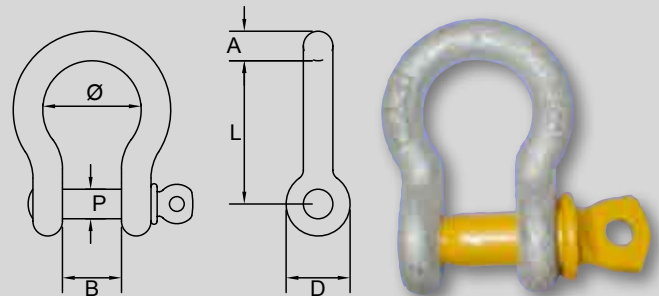
Code	A	P	B	L	D	WLL
241306	6	8	13	26	17	500
241308	8	10	14	31	22	750
241310	10	11	17	37	25	1000
241311	11	13	19	43	28	1500
241313	13	16	21	49	32	2000
241316	16	19	26	60	41	3250
241319	19	22	32	71	49	4750
241322	22	25	37	83	56	6500
241325	25	29	42	92	60	8500
241329	29	32	45	105	65	9500
241332	32	35	51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



GOLD PIN GRADE S BOW SHACKLES

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

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



MEGA ROUND SLINGS

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

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

Available in any of the following Lengths:

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

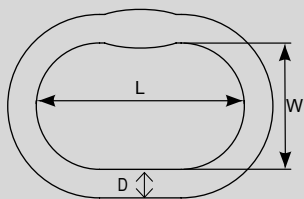


RATCHET TIE-DOWN STRAPS

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

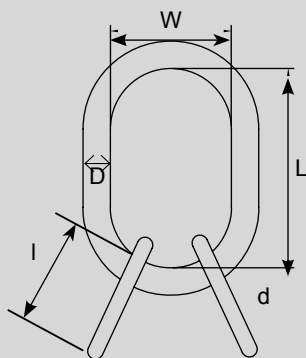
Code	Length	Width	Load Capacity
LCT0.25T*	4m	25mm	250Kg
LCT0.5T*	6m	35mm	500Kg
LCT1.5T	6m	35mm	1500Kg
LCT2.5T	9m	50mm	2500Kg
LCT5.0T	9m	75mm	5000Kg





RECESSED SINGLE OBLONG LINK

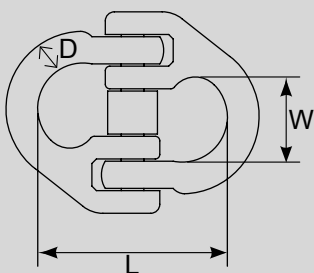
Code	L	D	W	WLL
883507	110	16	60	1250
883508	135	16	78	2500
883510	150	22	90	4000
883513	180	26	100	7500
883516	200	32	110	15000



MULTI-LEG RECESSED OBLONG LINK

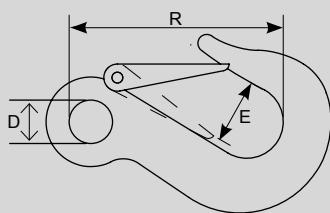
• 4:1 Chain Slings • 5:1 Wire Slings

Code	L	D	W	l	d	WLL 4:1	WLL 5:1
883707	135	18	75	55	13	3200	2600
883708	160	22	90	70	15	5000	4000
883710	180	26	100	77	18	8000	6400
883713	200	32	110	110	22	17000	13600
883716	260	36	140	140	25	20000	16000



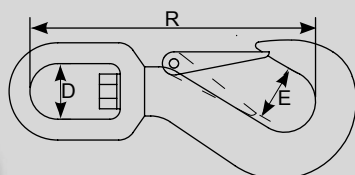
COMPONENT CONNECTOR

Code	Chain Size	D	L	W	WLL
884206	6	6.5	44	13.5	1100
884207	7	8	48	20	1600
884208	8	10	70	22	2000
884210	10	12	77	27	3200
884213	13	17	83	30	5300
884216	16	20	101	39	8000



EYE SLIP HOOK W/SAFETY CATCH

Code	D	R	E	WLL
885806	21	80	22	1200
885807	24	95	33	2000
885810	32	120	40	3200
885813	40	145	48	5400
885816	47	172	54	8000



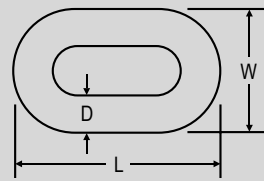
EYE SWIVEL HOOK W/SAFETY CATCH

Code	D	R	E	WLL
885407	44	155	25	1500
885410	44	162	25	2000
885413	51	190	34	3000
885416	64	247	42	4500

MEDIUM LINK POLISHED CHAIN AISI 316

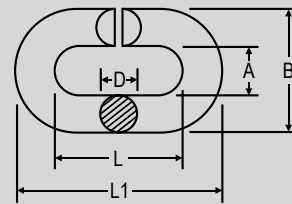
- A quality 316gr polished chain to Australian standard sizes • Sold per metre
- Mill & Tensile reports available on request
- Short link available on request

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



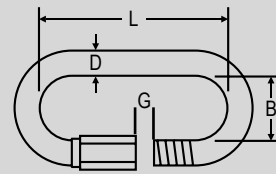
CHAIN LINK CLIP AISI 316

Code	A	B	D	L	L1	Weight
SS-10C-06	9	24	6	24	36	17g
SS-10C-08	12	30	8	32	48	40g
SS-10C-09	13	34	9	36	54	56g
SS-10C-11	17	41	11	44	66	132g
SS-10C-016	24	59	16	64	96	379g



QUICK LINK AISI 316

Code	B	D	G	L	TDL	Weight
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

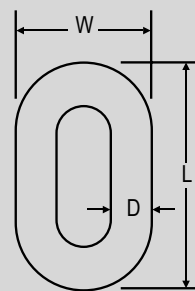


MEDIUM LINK CHAIN GALVANISED "GRADE S"

- Hot dipped galvanised finish
- Sold in 25Kg and 50Kg buckets
- General purpose chain for non rated applications

Code	D	L	W	RWL	TDL	25Kg Length	50Kg Length
CGRL-03	3.0	21.7	13.1	100	400	Yes 125m	Yes 250m
CGRL-04	4.0	26.6	16.0	125	510	Yes 76m	Yes 153m
CGRL-05	5.0	32.0	19.4	205	830	Yes 48m	Yes 97m
CGRL-06	6.0	38.1	22.1	340	1370	Yes 30m	Yes 60m
CGRL-08	8.0	48.2	29.5	560	2245	Yes 19m	Yes 37m
CGRL-10	10.0	59.1	36.2	890	3570	-	Yes 24m
CGRL-12	12.0	70.0	44.0	-	-	-	Yes 17m

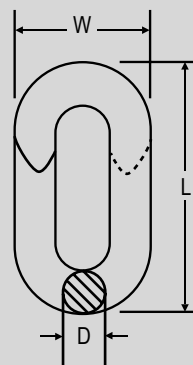
Hot Dipped Galvanised



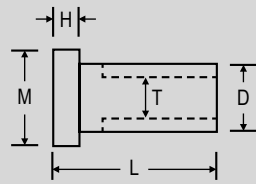
GALVANISED CHAIN REPAIR LINK

- 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



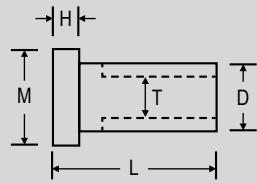
STAINLESS STEEL FASTENERS



BLIND RIVET NUT - LARGE FLANGE AISI 304

- Female threaded insert for fixing eye screws to posts
- Insert with LN-2 (See Page 72)
- Small flange available on request

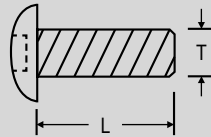
Code	T	D	H	L	M	Sold
NSM5SS	M5	7	1.1	13	9.5	each
NSM6SS	M6	9	1.5	16	12	each
NSM8SS	M8	11	1.6	18	15	each
NSM10SS	M10	12.5	2.0	21	16.5	each



BLIND RIVET NUT - LARGE FLANGE ALUMINIUM

- Female threaded insert for fixing eye screws to posts
- Insert with your choice of rivet nut tool (See Page 72)

Code	T	D	H	L	M	Sold
NSM6A	M6	9	1.5	16	13	each
NSM8A	M8	11	1.6	18	15	each



BUTTON HEAD CAP SCREW AISI 304

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

Code	Size	Length	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

FOR EASY ASSEMBLY



TWO PART EPOXY GLUE SETS

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

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

EPOXY GLUE SETS

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

STEP 1



STEP 2



STEP 3



STEP 4



STEP 5



INSTALLATION OF BLIND RIVET NUTS

SCREWS - PAN & CSK HEAD STAINLESS STEEL AISI 304

• Self Tapper Phillips Drive 304grade

Code	Gauge	Length	Head
STCP61	6	1"	CSK
STCP81	8	1"	CSK
STPP81	8	1"	PAN
STPP101	10	1"	PAN



POP RIVETS ALL STAINLESS STEEL AISI 304

• S/Steel Shaft and Head

Code	Ø	Length	Sold
PRSTST-43	3.2	5.0	each
PRSTST-53	4.0	5.0	each
PRSTST-54	4.0	6.4	each
PRSTST-66	4.8	9.6	each



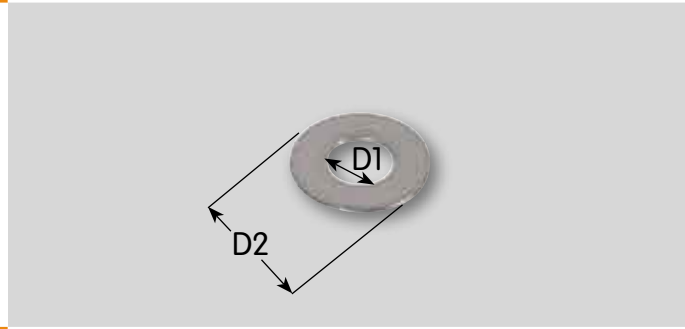
ALL THREAD STAINLESS STEEL AISI 304

Code	Size	Sold	Weight
ATM-06	M6	Metre	171g
ATM-08	M8	Metre	310g
ATM-10	M10	Metre	496g
ATM-12	M12	Metre	716g



FLAT WASHER STAINLESS STEEL AISI 304

Code	Size	D1	D2	Sold
SS-WASH-05	5	5.5	12	each
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



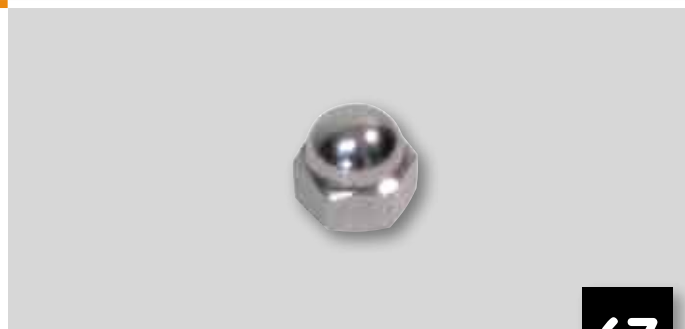
HEX NUT STAINLESS STEEL 304

Code	Size	Sold
SS-NUT-05	M5	each
SS-NUT-06	M6	each
SS-NUT-08	M8	each
SS-NUT-10	M10	each
SS-NUT-12	M12	each
SS-NUT-16	M16	each



DOME NUT STAINLESS STEEL AISI 304

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





OPT HYDRAULIC SWAGE PRESS

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

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



OPT HYDRAULIC HAND PUMP

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

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



DIES TO SUIT HPCO-630 HYDRAULIC PRESS

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

HEX DIES SUIT 30 TONNE PRESS

- For swaging s/steel terminals

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

ROUND DIES TO SUIT 30 TONNE PRESS

- For swaging alloy or copper ferrules

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



COMES COMPLETE
WITH HAND PUMP

TALURIT STYLE SWAGE PRESS

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

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

PRESSURE GAUGE FOR HYDRAULIC PRESS

• Optional gauge for HPCO-630 or HPCO-1000

Code	Max. Pressure
GA-1000	700Kg/Cm2



HYDRAULIC HOSE REPLACEMENT W/COUPLINGS

• Replacement hose for HPCP-700B

Code	Length
H-18	1.8M



REPLACEMENT QUICK COUPLING FOR HYDRAULIC PRESS

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

Code
C-18



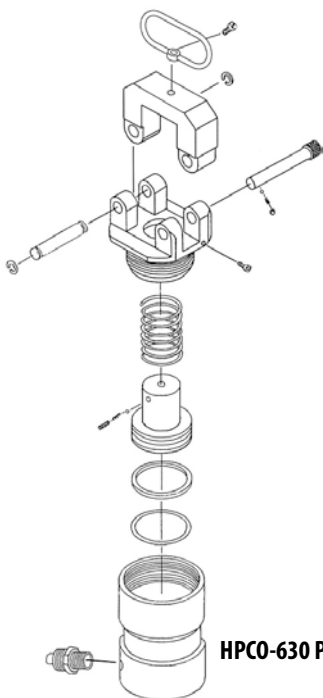
REPLACEMENT COVER CAP FOR HYDRAULIC COUPLING

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

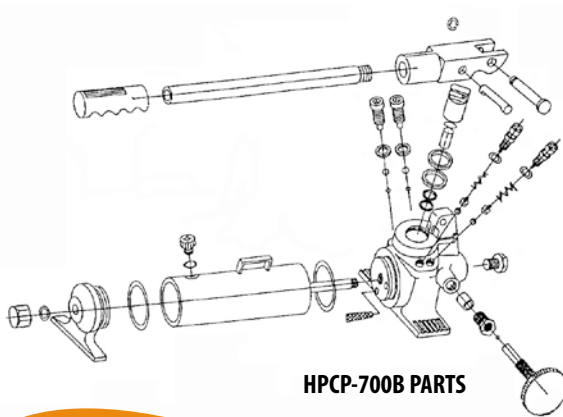
Code
C-15



SPECIALISED TOOLS



HPCO-630 PARTS



HPCP-700B PARTS

Full range of spare parts available for all models of tools



HS-10



HS-14



HS-18



HS-24



HS-25

BUDGET HAND SWAGER

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

Code	L	Wire Swage Ø	Wgt
HS-10	255	1.0 / 1.5 / 2.0	0.433Kg
HS-14	350	2.0 / 2.5 / 3.2	1.019Kg
HS-18	460	1.6 / 2.5 / 3.2 / 4.0	2.370Kg
HS-24	600	2.0 / 2.5 / 3.2 / 4.0 / 5.0	2.709Kg
HS-25	635	6.0	2.292Kg

SWAGING DETAIL



PROFESSIONAL QUALITY – CLAMP HAND SWAGE TOOLS

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

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



CP-731



CP-763



CP-774



CP-775



CP-776 CP-778 CP-799

AC-8 OPT WIRE ROPE CUTTER – BUDGET

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

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



AC-200 OPT WIRE ROPE CUTTER – BUDGET

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

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



HAND WIRE ROPE CUTTER – PROFESSIONAL QUALITY

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

Code	L	Wire Ø	Wgt
HWC-04	190	4	0.31Kg



HEAVY DUTY WIRE ROPE CUTTERS – PROFESSIONAL QUALITY

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

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

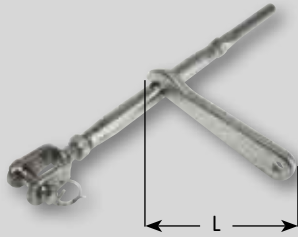


WIRE ROPE TENSION GAUGE

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

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

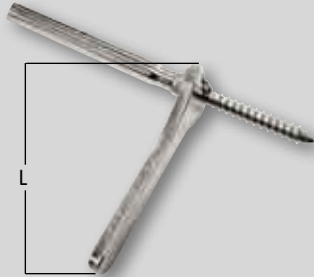




C SPANNER FOR M5 RIGGING SCREW (Z/P STEEL)

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

Code	Length	Wgt
CSPAN-RS-M5	70	23g



C SPANNER FOR M5 TERMINALS (Z/P STEEL)

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

Code	Length	Wgt
CSPAN-LST-M5	70.5	32g

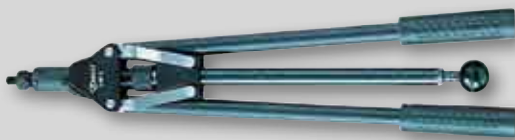


C SPANNER FOR M6 TERMINALS (Z/P STEEL)

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

Code	Length	Wgt
CSPAN-LST-M6	70.5	32g

See Page 66
for Installation Guide



BLIND RIVET NUT HAND TOOL - FAST INSERTION

- For fast insertion of all types of rivet nuts
- Complete with quick threading unit, steel carry case and full range of nose piece sizes

Code	Range
LN-2	M5 - M10



MANDREL REPLACEMENTS FOR LN-2 BLIND RIVET NUT TOOL

- Replacement mandrel nose pieces for LN-2

Code	Size
LN-M-5	M5
LN-M-6	M6
LN-M-8	M8
LN-M-10	M10

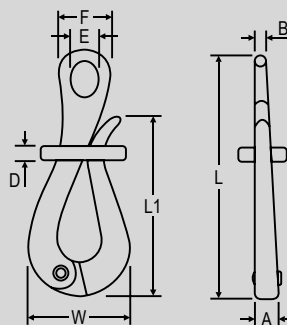


MANDREL REPLACEMENT SETS FOR LN-2 BLIND RIVET NUT TOOL

Code	Range	Measurement
LN-M-SET	M5-M10	Metric
LN-I-SET	M5-M10	Imperial (3/16" - 1/4" - 5/16" - 3/8")

PELICAN HOOK AISI 316

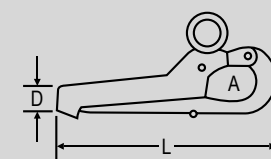
Code	A	B	D	E	F	L	L1	W	Wgt
SS-890-100	8	5	5	10	20.0	100	3.5	40	105g
SS-890-150	12	6	6	13	25.5	150	4.0	49	250g



PELICAN HOOK AISI 316

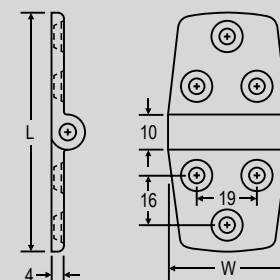
• Use with threaded terminal range (see page 19)

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



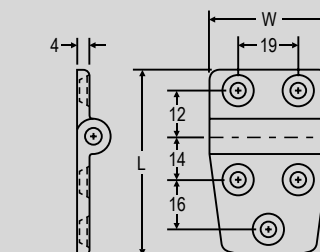
EVEN HINGES AISI 316

Code	L	Screw Size	W	Wgt
SS-9222-75	75	10g	38	73g
SS-9222-90	90	10g	38	95g
SS-9222-105	105	10g	38	112g



UNEVEN HINGES AISI 316

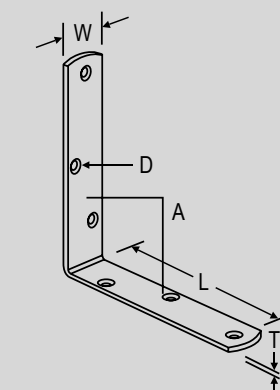
Code	L	Screw Size	W	Wgt
SS-9223-57	57	10g	38	59g
SS-9223-71	71	12g	38	79g



CORNER STAY AISI 304

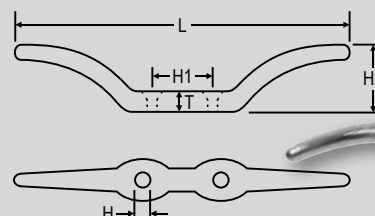
• Alternate sizes and lengths available on request

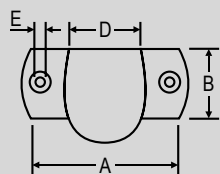
Code	A	D	L	T	W	Wgt
SS-CS2045	90°	4.5	45	3	20	35g
SS-CS2090	90°	4.5	90	3	20	75g
SS-CS20120	90°	4.5	120	3	20	103g
SS-CS2575	90°	4.5	75	3	25	81g
SS-CS25120	90°	4.5	120	3	25	127g
SS-CS3045	90°	4.5	45	3	30	56g
SS-CS3090	90°	4.5	90	3	30	114g
SS-CS30105	90°	4.5	105	3	30	139g
SS-CS30120	90°	4.5	120	3	30	160g



BUTTERFLY TYPE 2-HOLE ROPE CLEAT AISI 316

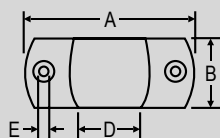
Code	H	H1	H2	L	Screw Size	T	Wgt
SS-4015-67	4.0	10.5	12	67	8g	4	10g
SS-4015-112	5.8	20.5	20	112	10g	6	38g
SS-4015-150	6.8	24.4	26	150	12g	8	75g





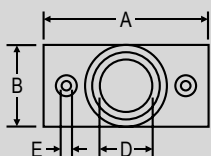
RAIL END CAP 1" AISI 316

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



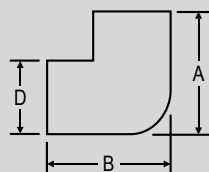
1" RAIL CENTRAL CAP AISI 316

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



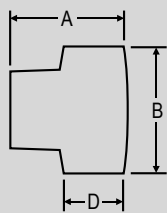
1" DECK TEE 90° AISI 316

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



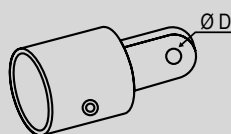
1" RAIL ELBOW 90° AISI 316

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



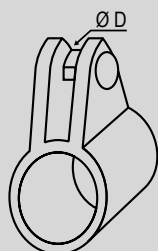
1" RAIL TEE 90° AISI 316

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



1" CANOPY TOP CAP AISI 316

Code	D	Wgt
SS-31601	1/4"	71g

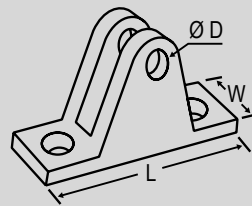


1" CANOPY TOP SLIDE W/BOLT AISI 316

Code	D	Wgt
SS-31602	1/4"	142g

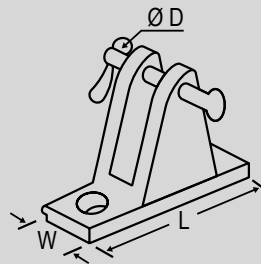
1" CANOPY DECK HINGE 90° AISI 316

Code	D	L	Screw Size	W	Wgt
SS-31614	1/4"	50	10g	22	57g



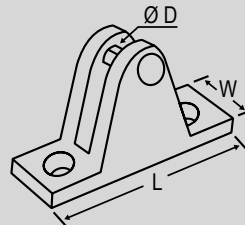
1" CANOPY DECK HINGE W/REMOVABLE PIN AISI 316

Code	D	L	Screw Size	W	Wgt
SS-31614A	1/4"	50	12g	22	113g



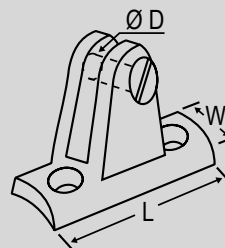
1" CANOPY DECK HINGE ANGLE BASE AISI 316

Code	D	L	Screw Size	W	Wgt
SS-31606	1/4"	50	12g	22	57g



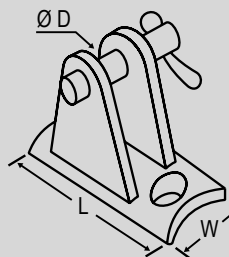
1" CANOPY RAIL HINGE CONCAVE AISI 316

Code	D	L	Screw Size	W	Wgt
SS-316061	1/4"	50	10g	22	57g



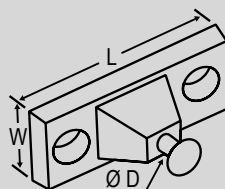
1" CANOPY RAIL HINGE CONCAVE REMOVABLE PIN AISI 316

Code	D	L	Screw Size	W	Wgt
SS-316061A	50	22	12g	1/4"	113g



1" CANOPY DECK HINGE SIDE MOUNT AISI 316

Code	D	L	Screw Size	W	Wgt
SS-31612	1/4"	50	12g	22	57g





FOR EASY ASSEMBLY

TWO PART EPOXY GLUE SETS

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

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

EPOXY GLUE SETS

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



ULTRALOC

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

Code	Size
M368010	10ml
M368050	50ml
M368025	250ml



SUPER GLUE

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

Code	Size
MSY-SS	10z Card



PRO WELD COLD WELDING COMPOUND

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

Code	Size
M64600	2 x 28g Tubes



SPRAYSAFE SILICONE

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

Code	Size
M808	250g Aerosol



SUPA SQUIRT - TEFLON

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

Code	Size
M830	400g Aerosol



GLASS CLEANER

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

Code	Size
M809	500g Aerosol



SILVA N ZINC

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

Code	Size
MD1005	400g Aerosol

NICKELTEC ANTI-SEIZE

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

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



MOLYPASTE ANTI-GAL

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

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



Protects assemblies exposed to temps up to 500°C.

EZICUT LUBRICANT

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

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



WOOLUBE GREASE

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

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



METAL CUTTING / WORKING COMPOUND

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

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



OZSPRAY

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

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



OZSPRAY INDUSTRY EXTRA

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

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



SPECIALISED PRODUCTS

Polinox Surface Finishing Products

The unique Polinox range of surface finishing products employs the latest in German technology to bring our customers a range of surface cleaners and stain removers for stainless steel. To aid in product selection for your particular job, please read the following information. For chemical composition and MSDS please contact us for more information.

1. Polinox-US Rust & Stain Remover

Rust and stain remover for efficient treatment of contaminated stainless steel. Discolouration is removed and full corrosion resistance is restored. Original surface polish is not compromised.

Application

- Do not apply in direct sunlight
- Apply undiluted by spray, brush or roller
- Leave for 30 mins to 1 hour depending on severity
- Rinse off with water
- This paste is corrosive, gloves, protective clothing and goggles must be worn

Uses

Commercial & domestic balustrading, architectural features, yacht bowrails & fittings, handrails.

2. Polinox-C Cleaner & Restorer

Acidic cleaner to degrease, clean and remove surface rust. Especially effective at removing water marks. Passivates the surface thereby increasing corrosion resistance. Original surface polish is not compromised.

Application

- Apply undiluted by brush, roller, cloth or spray unit
- Temperature of surface should be 5 to 30 degrees
- Leave for 15 to 45mins
- Water rinse off
- This liquid is poison, protective clothing and gloves must be worn.

Uses

Handrails, tanks & pipework for food/wine/dairy industry etc, transportation vehicles such as trucks & trains.

3. Polinox-CSG Cleanox

Cleans and preserves surfaces which have been polished ground or glass bead treated. Makes surface less susceptible to fingerprints and prevents fingerprints reappearing. Minimises cleaning and care of decorative stainless, especially around handles. Provides uniform surface finish on all metals.

Application

- Apply undiluted by immersion, spraying or wiping
- After drying CLEANOX leaves a thin protective coating preventing soiling
- No need to rinse or wash off

Uses

Bench tops and splash backs, kitchen appliances, handrails, door handles, display areas.

Polinox Stainless Steel Protectants & Cleaners



POLINOX-US STAINLESS STEEL RUST & STAIN REMOVER

- Cleans and removes rust and stains, such as tea staining
- Surface retains original polish after application
- Please contact us for more information and MSDS
- Alternate sizes available on request

Code	Size
P-157-0200	200ml
P-157-1000	1 Litre

**REMOVES
TEA STAINING**



POLINOX-C STAINLESS STEEL CLEANER & RESTORER

- Cleans grime, salt deposits & surface contamination from s/steel
- Gives a metallic finish to s/steel
- Please contact us for more information and MSDS
- Alternate sizes available on request

Code	Size
P-158-1000	1 Litre
P-158-5000	5 Litre

**CLEANS
STAINLESS STEEL**



POLINOX-CSG CLEANOX STAINLESS STEEL CLEANER

- Cleans & prevents finger prints and provides extra protection against staining on s/steel
- Provides a uniform surface finish to handrails etc
- Leaves a thin protective layer to prevent further soiling
- Please contact us for more information and MSDS
- Alternate sizes available on request

Code	Size
P-162-0200	200ml
P-162-1000	1 Litre
P-162-5000	5 Litre

**PREVENTS
FINGER MARKS**



PROTECTION & LUBRICANTS

WORK-PRACTICE DATA SHEET - THIS IS A SUMMARY ONLY - FULL REPORT AVAILABLE

POLINOX US
ChemWatch 4918-25
HAZARDOUS ACCORDING TO WORKSAFE CRITERIA
Company Contact No. (61 3) 9775 1620

INGREDIENTS
phenol
hydrofluoric acid
water

UN No. 3084
Hazard Class: 2X
Subsidiary Risk: None
Poison Schedule: 58

PROPERTIES
Liquid
Mixes with water.
Corrosive.
Acid.

HEALTH HAZARD INFORMATION
Acute Health Effects:
Irritating to eyes, respiratory system and skin.
Caustic Health Effects:
Cumulative effects may result following exposure*
(* limited evidence)

FIRST AID
Swallowed:
Give milk or water (if conscious). URGENT MEDICAL ATTENTION.
Eye:
Wash with running water (15 mins). Medical attention.
Skin:
Flush body with water. Remove contaminated clothing. Wash with water & soap. MEDICAL ATTENTION.
Inhalation:
Fresh air. Rest. Keep warm. If breathing shallow, give oxygen. Medical attention.

PRECAUTIONS FOR USE
Engineering Controls:
General Exhaust Ventilation adequate.
Glasses:
Safety Glasses
Chemical goggles.
Full face shield.
Gloves:
Nitrile.
Polyethylene.
Respirator:
Type A-P Filter of sufficient capacity
Flammability:
Combustible.

SAFETY HANDLING INFORMATION
Storage & Transport:
Keep container in a well ventilated place.
Keep away from food, drink and animal feeding stuffs.
Store in cool, dry, protected area.
Respirations on Storage apply. Refer to Full Report.
Spills & Disposal:
Prevent from entering drains.
Contains spillage by any means.
Accord with dry agent.
Neutralize with soda ash slurr.
Stop work if safe to do so.
Take off immediately all contaminated clothing.
Clean the floor and all objects contaminated by this material, use water.
Fire/Explosion Hazard:
Toxic smoke/fumes in a fire.
Flammable in presence of hydrogen.
Fire Fighting:
Keep surrounding area cool. Water spraying.

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WORK-PRACTICE DATA SHEET - THIS IS A SUMMARY ONLY - FULL REPORT AVAILABLE

CSG CLEANOX
ChemWatch 4918-24
HAZARDOUS ACCORDING TO WORKSAFE CRITERIA
Company Contact No. (61 3) 9775 1620

INGREDIENTS
liquid hydrocarbons
barium compound
glycol derivative

CAS No
Various % TWA
>60 4 2

NOT REGULATED UNDER UN CODE FOR TRANSPORT OF DANGEROUS GOODS

PROPERTIES
Liquid.
Does not mix with water.
Fluores on water.

HEALTH HAZARD INFORMATION
Acute Health Effects:
HARMFUL - May cause lung damage if swallowed.
Vapours may cause dizziness or suffocation.
Inhalation and/or ingestion may produce health damage*
May produce discomfort of the eyes, respiratory tract and skin*.
Vapours potentially cause drowsiness and dizziness*.
(* limited evidence)
Chronic Health Effects:
Cumulative effects may result following exposure*.
(* limited evidence)

FIRST AID
Swallowed:
Contact doctor or Poisons Centre.
Give glass of water.
Eye:
Wash with water.
Skin:
Wash with water.
Inhalation:
Fresh air. Rest. Keep warm. If breathing shallow, give oxygen. Medical attention.

PRECAUTIONS FOR USE
Engineering Controls:
General Exhaust Ventilation adequate.
Glasses:
Chemical goggles.
Gloves:
Nitrile.
Polyethylene.
Respirator:
Type A-P Filter of sufficient capacity
Flammability:
Combustible.

SAFETY HANDLING INFORMATION
Storage & Transport:
Keep container tightly closed.
Keep container in a well ventilated place.
Keep away from food, drink and animal feeding stuffs.
Store in cool, dry, protected area.
Spills & Disposal:
Absorb with dry agent.
Shut leak if safe to do so.
Take off immediately all contaminated clothing.
To clean the floor and all objects contaminated by this material, use water and detergent.
Fire/Explosion Hazard:
Toxic smoke/fumes in a fire.
Fire Fighting:
Foam.

ADVICE TO DOCTOR
Evaluate for respiratory distress. Consider lavage with cuffed tube. NO admission.

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**Please obtain and read
MSDS before using
Polinox products**



for more information...

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