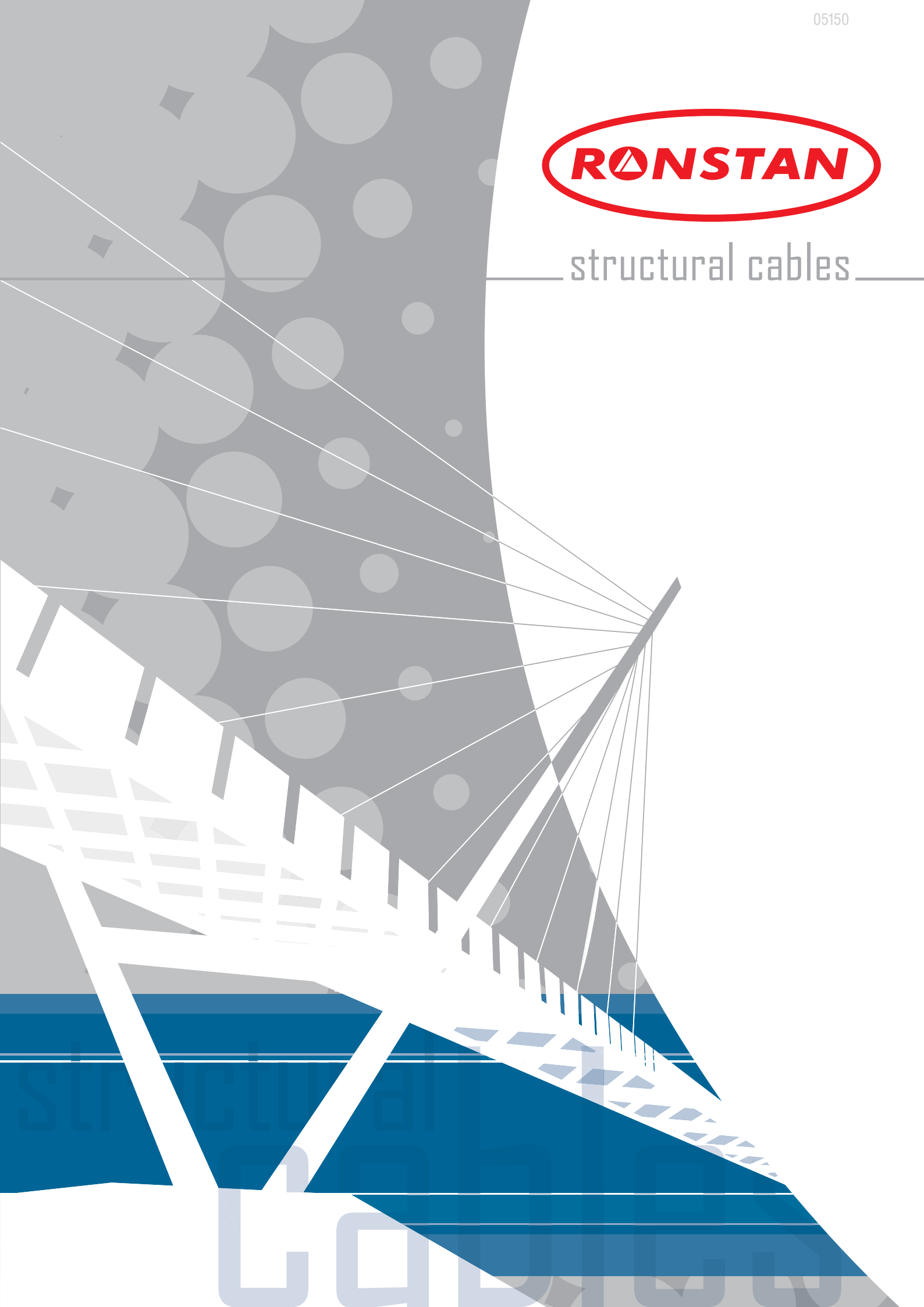
05150

RONSTAN

structural cables



The Value of Experience

The field of tensile architecture is exacting and precise, its success demanding the aggregation of knowledge and experience.

From facilities across Australia and the USA, in Denmark, New Zealand and the UK, Ronstan supplies cable systems born from over 50 years of continual research, development and improvement. Based and manufacturing from Australia, Ronstan is now recognized as a world leader with products available in 55 countries and in the following applications.

Ronstan Structural Cable Applications:

- Suspension Bridges
- Curtain Walls and Glazed Structures
- Sports Facilities
- Exhibition Buildings
- Zoological Enclosures
- Cable Nets
- Fabric Architecture
- Braces and Trusses

System Selection

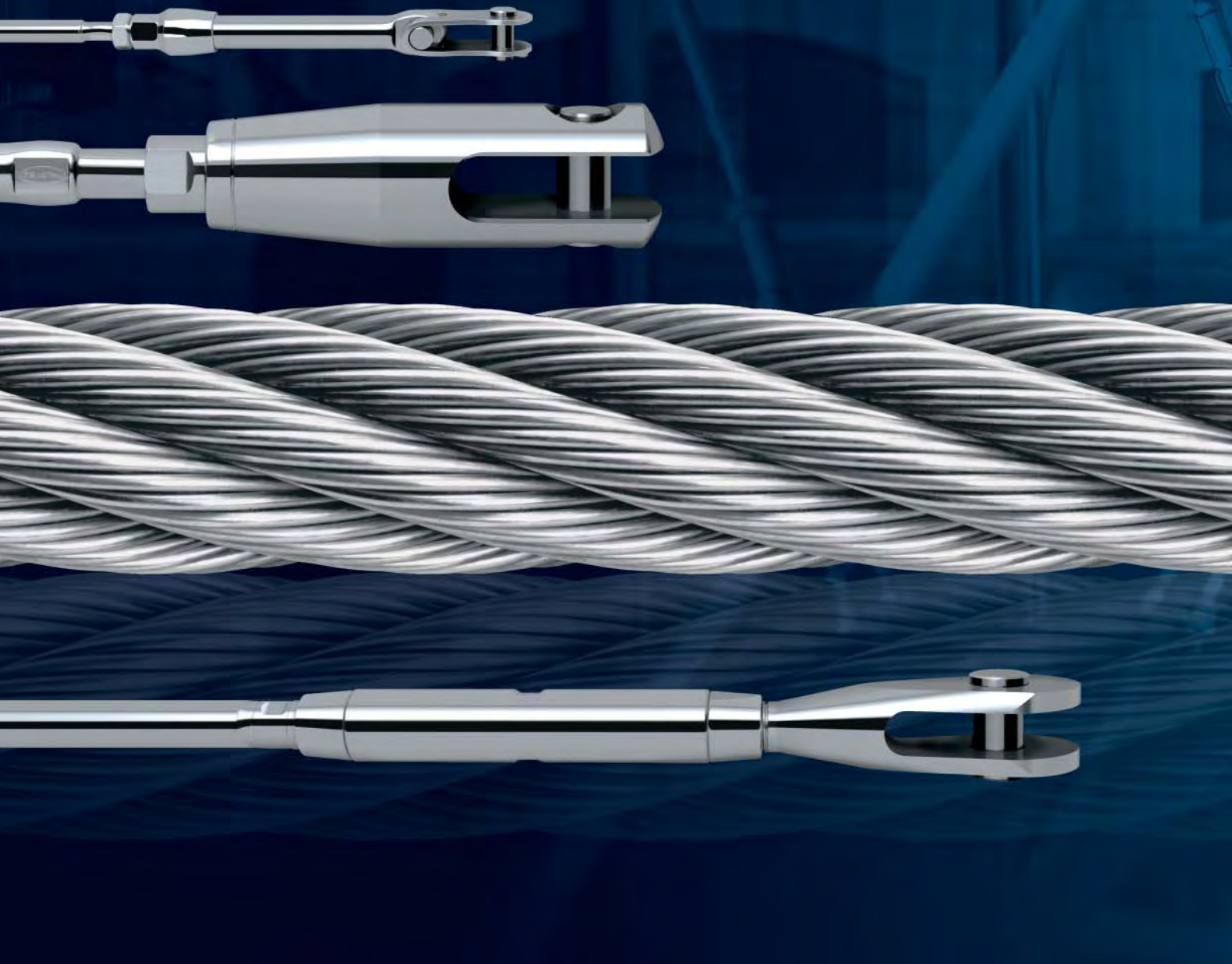
Specifying a Ronstan structural cable system begins by identifying your application and then utilizing the catalogue to:

1. Select corrosion protection - Stainless Steel or Galfan Cable.
2. Match loads with cable diameter and type.
3. Select end terminations and cable systems.

The Total Solution

And when assistance is required we offer:

- Design support
- Cable and fitting selection
- Assistance with corrosion protection
- Cost estimates and budgets
- Method statements and schedules
- Structural analysis
- Site supervision
- Installation



structural cables

Space. Simple form. Both mask a complexity inherent in tensile architecture. The structure in place, itself evidence of science and careful planning, stands to remind us of what can be achieved with the intelligent use of cables working together in tension. Be it a glazed curtain wall, a tensioned fabric roof, a simple yet elegant suspension bridge or a cable net, all depend on cables as the primary load carrying structure. The results are structures of unique depth and openness, with large spans made possible by balancing the need for reduced self weight, with the application of minimalist and efficient high tensile cable tendons. This is lightweight tensile architecture and a Ronstan passion.

The intriguing capabilities of Ronstan structural cable systems are artfully revealed through their many applications. Our aim is to inspire and enthuse, and to provide a simple guide for selecting the right tension cable for your application. In departure from past catalogues, we have highlighted our four most common structural cable systems, and reorganized, such that each can be simply specified with a single number. After determining the required level of corrosion protection (Stainless steel or Galfan) the selection of cable diameter is a simple process of matching your load requirements. If the standard systems don't suit, then you have the full range of Ronstan end fittings and cables detailed further into the catalogue from which to make your selection.

Even if you have never designed with cable before, it need not be a mystery. Ronstan maintains a fully staffed design engineering department to assist clients with concept development, cable and fitting selection, or to tailor a solution to your needs. Often, attaching the cable to your structure, or fastening elements to the cable, is the most difficult consideration. We can assist here as well, before our project management team takes over to ensure the proper coordination from concept to installation, and even commissioning.

ACS1 | ACS2 | ACS3 | ACS4

Bridges

Suspension bridges truly express the art of engineering. The muscles and sinews are there for all to see. Ronstan structural cables offer unsurpassed structural performance, but do so with unparalleled aesthetics.

With access to the design and installation experience that has seen the successful completion of over 60 cable stayed suspension bridges worldwide since 1976, we can provide the solution.

Project: Festival Footbridge
Location: Adelaide, Australia
Architect: Woods Bagot
Engineer: Connell Mott Macdonald
Cable: Ronstan
Photo: Peter Hyatt

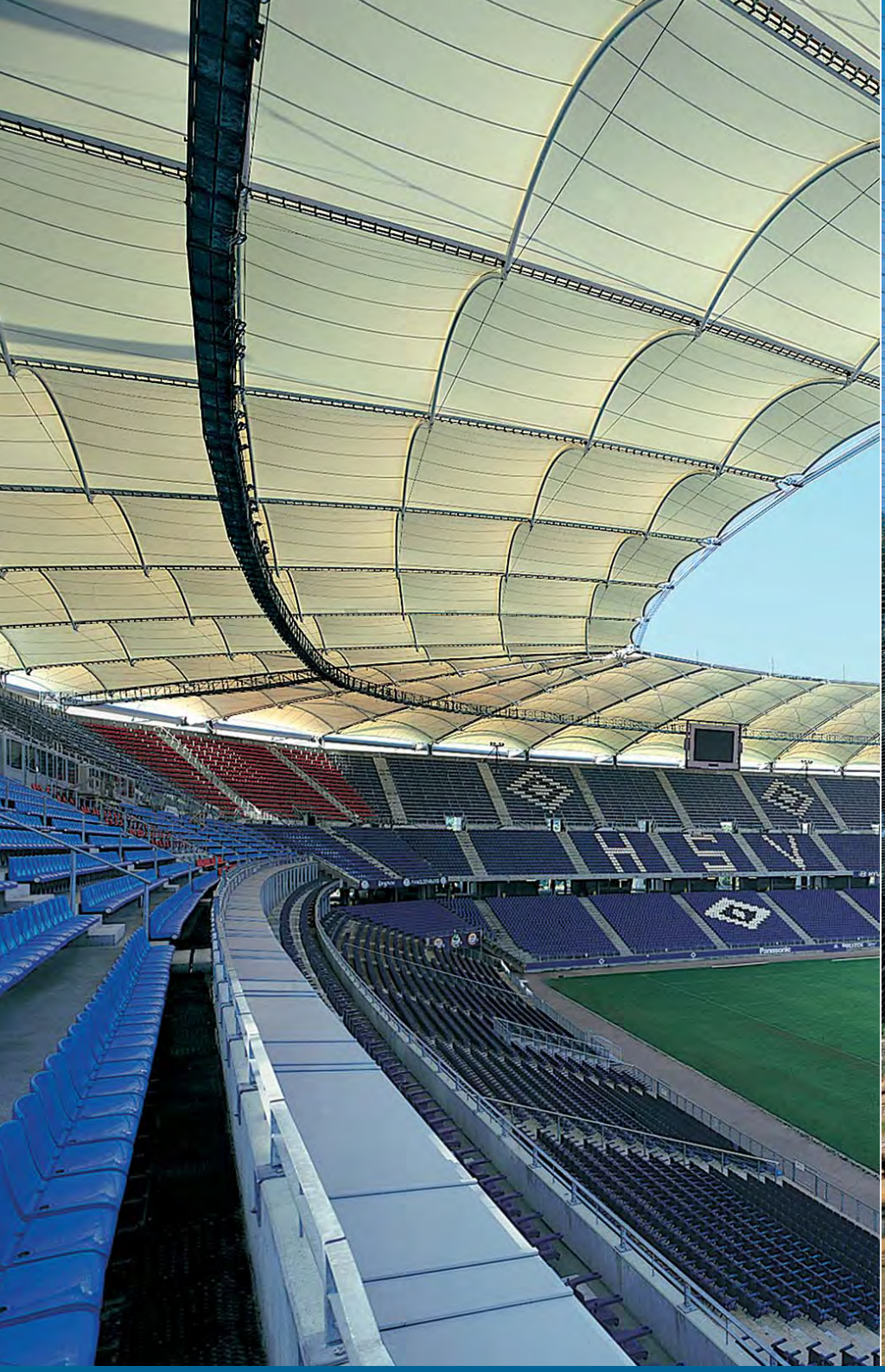
Catenary Lighting

Light defines space. For large open public areas it creates a transition between environments instead of separation.

The random flexibility of luminaries suspended from a system of Ronstan structural cables allows designers to illuminate with pinpoint accuracy, creating a unique ambience and achieving a clear and usable footprint without light poles, masts or intrusive support structures.

Ronstan understand stainless steel cables, cable grids, nets and structures and are expert at the implementation of complete custom catenary lighting systems that compliment the surrounding architecture.

Project: Federation Square
Location: Melbourne, Australia
Architect: LAB + Bates Smart
Engineer: Atelier One
Cable: Ronstan
Photo: Ronstan



Tensile Fabric Architecture

Independent of cubic form and constraint, tensile fabric architecture displays a flexibility like no other building method. Its lightness allows the spanning of great distances; the use of form and curvature in the membrane optimizing loads in the structure.

And with the concentration of loads focused at the cable ends the unique aesthetics and integrity of Ronstan structural cables come into play. These qualities are appreciated by our partners worldwide, our stainless steel and galfan cables offering performance tailored to the environment.

Project: AOL Arena
Location: Hamburg, Germany
Architect: Schlaich Bergerman & Partners
Engineer: Schlaich Bergerman & Partners
Cable: Pfeifer GmBH
Photo: Pfeifer GmBH

Zoological Enclosures

Delicate and flexible, secure and robust. In a symbiosis of shape and structure, the cable net affords unequalled transparency and efficiency.

Unlike traditional enclosures, with meshes clad over rigid heavy steel, careful analysis of form and cable selection transforms the cable net into a primary load carrying element. Minimal structure, wide spans, and the resultant openness are all qualities appreciated by visitors and inhabitants alike.

Ronstan understands cable performance, structure and lightweight architecture, and with our zoological partners, can assist with complete turnkey enclosure solutions.

Project: The Lion Savannah - Thuringer Zoo
Location: Erfurt, Germany
Architect: Buro Lipka Landscape Architecture
Engineer: Officium Design Engineering
Planning: Officium Design Engineering
Mesh: Carl Stahl

Curtain Walls & Glazed Structures

Technology of transparency, of emerging glazing technology; the penultimate result is a seamless glass structure without visible means of support. At Ronstan we embrace this challenge.

Our pre-tensioned cable systems are the structure. They replace larger compression elements in domes, facades and point supported glass systems, and heavy mullions in conventional curtain walls, with high tensile minimalist elements of stainless and carbon steel.

And designers at the leading edge of tensile glazing technology appreciate our depth of experience in corrosion resistant stainless alloys and our elegant cable and rod fittings.

Project: Historical Bath Ruins
Location: Badenweiler, Germany
Architect: Schlaich Bergerman & Partners
Engineer: Schlaich Bergerman & Partners
Cable: Pfeifer GmBH
Photo: Pfeifer GmBH

CORROSION PROTECTION - Stainless vs Galfan Coated Carbon Steel

The level of corrosion protection is the very first consideration in the cable specification process, critical not only for aesthetic appeal, but for structural performance and longevity.

Ronstan offer cables manufactured from the following materials:

SS

Stainless Steel Grade 316 - Superior Corrosion Resistance & Aesthetics

Grade 316 stainless steel with it's with increased chromium, nickel, and the addition of molybdenum, is the most 'all round' stainless steel in terms of resistance to corrosion and tensile strength. Today, it is used commonly as a default grade for architecture, offering significantly greater aesthetic appeal, and resistance to corrosion, than coated carbon steels.

The active protection offered by the naturally occurring chromium oxide layer on the surface of stainless, requires significantly less maintenance than carbon steels.

The basic austenitic stainless material offers superior resistance to extreme temperatures than carbon steel. It has a lower tensile strength and hence is more elastic than carbon steel.

GS

GF

Galfan Coated Carbon Steel - Moderate Corrosion Resistance

While non-alloyed carbon steel is more economical than stainless, it requires coating, and later painting, to maintain corrosion protection.

The Galfan coating, with its 95% zinc and additional 5% aluminium composition, provides significantly greater resistance to corrosion for carbon steels than conventional galvanized coatings. As the sacrificial zinc layer in galfan gives way, an aluminium oxide layer develops replacing the lost zinc. This extends the life of the coating beyond where standard galvanizing offers no protection and renders the steel vulnerable to corrosive elements. Depending on the environment, a galfan coating will erode three to six times slower than conventional galvanizing.

CABLE CONSTRUCTION OPTIONS

Having considered the desired level of aesthetics and corrosion protection for the environment, a cable construction/type needs to be selected. The adjoining page summarizes the Ronstan cable construction options, with detailed diameter, load and performance tables following.

CABLE ELONGATION

Stretch or elongation is a characteristic of all cables and wire ropes, initially as permanent stretch when the load is first applied and the individual wires bed down, then as conventional elastic stretch within the wires as load increases. Where stretch is critical to the application, initial stretch can be accounted for with cables pre-stretched (pre-stressed) during swaging and cable manufacture.

As unloaded cables show a non-linear load/elongation behaviour, the most accurate method of determining cable elongation is by pre-stretching (pre-stressing) the cable to a defined load. This process involves cyclical loading of the cable until elongation has stabilized and the measurement taken.

The following stretch calculation can be used as a guide, but should be verified by your Structural Engineer, or the pre-stretching measurement method.

$$\text{Elastic stretch (mm)} = \frac{W \times L}{E \times A}$$

Where:

W = Applied load (kN)

L = Cable length (mm)

E = Strand modulus of elasticity (kN/mm^2)

A = Metallic cross section area of cable (refer tables page 8-9)

Typical values for E are:

7 x 19	47.5 kN/mm^2 (6.89 x 10^6 P.S.I.)
7 x 7	57.3 kN/mm^2 (8.31 x 10^6 P.S.I.)
1 x 19	107.5 kN/mm^2 (15.59 x 10^6 P.S.I.)
1 x 61	130 kN/mm^2 (18.85 x 10^6 P.S.I.)
1 x 91	130 kN/mm^2 (23.21 x 10^6 P.S.I.)

SS Stainless Steel - Open Spiral Strands

 1 x 19

 1 x 61

 1 x 91

STAINLESS STEEL - OPEN SPIRAL STRANDS

Open Spiral Strand consists of a plurality of round strands of the same diameter laid together in one or more layers. This construction provides good cross sectional area for higher tensile strength and minimal elongation, and is well suited to static rigging applications. Depending on diameter 1x19, 1x37, 1x61, or 1x91 constructions are used for stainless steel cables.

Stainless Steel open spiral strand adds the attributes of unparalleled corrosion resistance and aesthetics to the mix of high structural integrity and performance.

The ultimate structural cable with the highest corrosion resistance for visual architectural applications.

Applications Include:

- Guy and tie back cables.
- Bracing and suspension cables.
- Hanging cables.
- Catenary cables for fabric architecture.
- Truss elements for glazed facades and roofing.

GS GALFAN Coated Steel Cable - Open Spiral Strands

 1 x 19

 1 x 37

 1 x 61

GALFAN COATED STEEL - OPEN SPIRAL STRANDS

Open Spiral Strand consists of a plurality of round wires of the same diameter stranded together in one or in several layers. This construction provides good cross sectional area for higher tensile strength and minimal elongation, and is well suited to structural architectural rigging applications. Depending on diameter 1x19, 1x37, or 1x61 constructions are used for Galfan strand.

Galfan Coated Carbon Steel open spiral strand cables offer economy with higher tensile strengths than their stainless counterparts above. While lacking the stainless 'glitz' and corrosion resistance, aesthetically the end fittings are streets ahead of chunky industrial styled galvanized alternatives.

The carbon steel cable with the highest corrosion resistance and best aesthetics.

Applications Include:

- Guy and tie back cables.
- Bracing and suspension cables.
- Hanging cables.
- Catenary cables for fabric architecture.
- Truss elements for glazed facades and roofing.

GF GALFAN Coated Steel Cable - Full Locked Strands

 VVS1

 VVS2

 VVS3

GALFAN COATED STEEL - FULL LOCKED STRANDS

Full Locked Cables consist of a round multistrand core around which several layers of Galfan coated shaped strands are locked together. The round inner strands are heavy galvanized and the voids filled with a durable elastic zinc dust paint. The outer profiled layers are dry-stranded to avoid any escape of the internal filling under load.

The combination of the densely enclosed Galfan locked strands and the internal filling provides extreme resistance to corrosion. The full locked cable is primarily used for higher load applications where resistance to deformation, surface compression (e.g. when using clamps) and good corrosion protection are essential. All cables are pre-stressed and manufactured to a nominated design load.

The ultimate structural cable for high load and engineered applications.

Applications Include:

- Bridge and guy cables.
- Main cables for lightweight cable structures.
- Tie back cables.
- Cables for Stadia, sports arenas or exhibition facilities.

SS GS Construction Options

SS Stainless Steel - Open Strands

 1x19  1x61  1x91

Material: Grade 316

NOMINAL CABLE DIAMETER		CABLE CONSTRUCTION	METALLIC CROSS SECTION AREA	MINIMUM BREAKING LOAD			WEIGHT APPROX
mm	in.		mm²	kN	kg	lb	kg/m
2.5	-	1 x 19	3.7	4.9	500	1100	0.031
3.0	1/8	1 x 19	5.4	7.0	720	1580	0.045
4.0	5/32	1 x 19	9.6	12.6	1280	2830	0.079
-	3/16	1 x 19	13.5	18.9	1930	4255	0.113
5.0	-	1 x 19	15.0	19.6	2000	4410	0.124
-	7/32	1 x 19	18.0	24.2	2470	5440	0.145
6.0	-	1 x 19	21.5	28.0	2870	6340	0.178
-	1/4	1 x 19	24.1	34.0	3440	7584	0.198
7.0	9/32	1 x 19	29.2	35.0	3540	7800	0.243
8.0	5/16	1 x 19	38.2	45.4	4640	10220	0.317
-	3/8	1 x 19	54.2	64.0	6546	14434	0.446
10.0	-	1 x 19	59.7	71.0	7250	15980	0.495
-	7/16	1 x 19	73.7	86.0	8770	19335	0.624
12.0	-	1 x 19	86.0	102.0	10400	22930	0.713
-	1/2	1 x 19	96.3	119.0	12101	26678	0.804
14.0	9/16	1 x 19	117.0	139.0	14170	31240	0.971
16.0	5/8	1 x 19	153.0	182.0	18550	40910	1.270
19.0	3/4	1 x 19	215.0	212.0	21610	47660	1.780
22.0	7/8	1 x 19	289.0	285.0	29060	64070	2.360
26.0	1	1 x 19	404.0	398.0	40580	89470	3.300
28.6	-	1 x 61	477.0	578.0	58970	129870	3.700
32.1	-	1 x 91	602.0	730.0	74480	164020	4.700
36.6	-	1 x 91	780.0	945.0	99420	212330	6.100

GS GALFAN Coated Steel - Open Spiral Strands

PFEIFER

 1x19  1x37  1x61

Modulus of Elasticity: 160 ± 10 kN/mm²
Tolerance Cable Diameter: +3%
Corrosion Protection: GALFAN coated without inner filling

NOMINAL CABLE DIAMETER	CABLE CONSTRUCTION	METALLIC CROSS SECTION AREA	MINIMUM BREAKING LOAD			WEIGHT APPROX
mm		mm²	kN	kg	lb	kg/m
8.1	1 x 19	39.0	59	6020	13250	0.3
10.1	1 x 19	60.0	93	9480	20890	0.5
12.2	1 x 19	87.0	134	13670	30100	0.7
14.1	1 x 37	117.0	181	18460	40660	0.9
17.0	1 x 37	168.0	260	26530	58420	1.3
20.1	1 x 37	237.0	367	37440	82460	1.9
24.4	1 x 37	347.0	537	54790	120660	2.7
28.3	1 x 37	467.0	722	73670	162220	3.7
31.3	1 x 61	572.0	884	90204	198620	4.5
36.3	1 x 61	769.0	1189	121320	267160	6.1

GF GALFAN Coated Steel - Full Locked Strands

PFEIFER


VVS-1


VVS-2


VVS-3

Material: Unalloyed quality steel
Modulus of Elasticity: 160 ± 10 kN/mm²
Tolerance Wire Diameter: +3%
Corrosion Protection: Inner layers: Hot dip galvanized with inner filling
Outer layers: GALFAN coated without inner filling

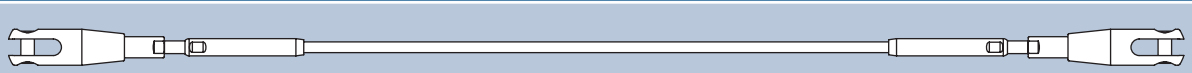
NOMINAL CABLE DIAMETER	CABLE CONSTRUCTION	METALLIC CROSS SECTION AREA	MINIMUM BREAKING LOAD			WEIGHT APPROX
mm		mm²	kN	kg	lb	kg/m
21.0	VVS-1	281.0	405	25000	91040	2.4
26.0	VVS-1	430.0	621	38360	139600	3.6
31.0	VVS-2	634.0	916	56630	205920	5.3
35.0	VVS-2	808.0	1170	72340	263020	6.8
40.0	VVS-2	1060.0	1520	93970	341710	8.9
45.0	VVS-2	1340.0	1930	119380	433880	11.2
50.0	VVS-2	1650.0	2380	147140	535040	13.8
55.0	VVS-3	2090.0	3020	186730	678920	17.2
60.0	VVS-3	2490.0	3590	222040	807060	20.5
65.0	VVS-3	2920.0	4220	261020	948690	24.1
70.0	VVS-3	3390.0	4890	302440	1099310	27.9
75.0	VVS-3	3890.0	5620	347550	1263420	32.1
80.0	VVS-3	4420.0	6390	395200	1436520	36,4
85.0	VVS-3	4990.0	7210	445910	1620870	41.1
90.0	VVS-3	5600.0	8090	500300	1818700	46.2
95.0	VVS-3	6310.0	9110	563360	2048000	52.0
100.0	VVS-3	6990.0	10100	624590	2270570	57.6
105.0	VVS-3	7710.0	11100	686420	2495370	63.5
110.0	VVS-3	8460.0	12200	754480	2742660	69.7
115.0	VVS-3	9240.0	13400	828670	3012440	76.2
120.0	VVS-3	10100.0	14500	896730	3259730	83.2
125.0	VVS-3	10900.0	15800	977140	3551980	89.8
130.0	VVS-3	11900.0	17300	1069890	3889190	96.7
135.0	VVS-3	12900.0	18600	1150300	4181440	104.8
140.0	VVS-3	13900.0	20000	1236830	4496170	112.9

Due to pre-stressing and / or differing weather conditions inner filling may escape to the surface.
Subject to technical modification.
Other sizes available upon request.

SS GS Cable System Options

ACS1 - Compact Adjuster to Compact Adjuster

SS



DESCRIPTION

The ultimate aesthetic adjustable structural cable tendon.

SPECIFIC FEATURES

- Wire diameters 4mm (5/32") to 22mm (7/8").
- A minimalist, sleek and compact cable solution for static architectural applications.
- Ultimate aesthetics in stainless steel.
- Fully adjustable telescoping end fittings.
- Fully concealed threads.
- Recessed clevis pins positively secured with circlips.
- Moderate adjustment.
- A simple and effective adjustable cable.

APPLICATIONS

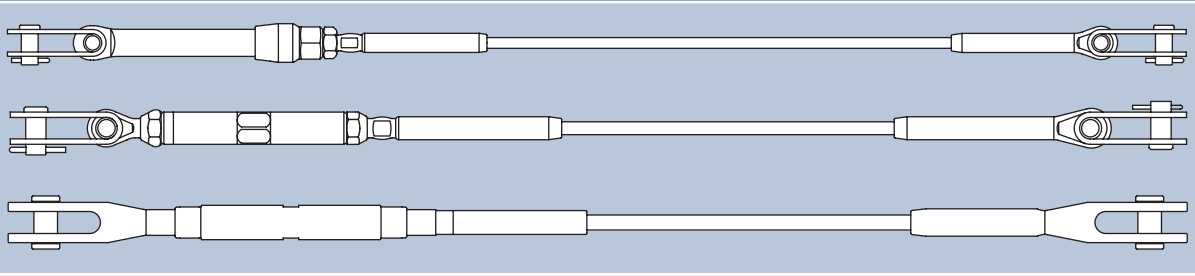
- Used in highly visible architectural applications where moderate adjustment is required.
- Suited to applications where adjustment is sought at both ends.
- Suited to static applications where termination cleats are aligned.

ACS2 - Jaw Turnbuckle to Jaw

Type 1 SS

Type 2 SS

Type 3 SS GS



DESCRIPTION

An attractive jaw (clevis) type cable system in stainless and carbon steel offering increased level adjustment.

SPECIFIC FEATURES

- Wire diameters 3mm (1/8") to 36mm (1 7/16").
- Fully adjustable cables offering increased adjustment with the inclusion of a turnbuckle one end.
- Type 1 and Type 2 cables have turnbuckles with moving parts of dissimilar metals to avoid thread seizure under load.
- Type 1 and 2 cable end fittings have articulating (toggle) jaw ends offering adjustment in two planes to accommodate some cleat misalignment, and relieve stresses caused by dynamic and cyclical loads.
- Type 3 cables have turnbuckles designed specifically for large diameter applications and are manufactured to nominated design loads.
- All ends offer simple and easy connection with clevis and split pins.
- All turnbuckles offer lock nuts to positively lock adjustment.
- A robust structural cable offering maximum adjustment.
- Can accommodate moderate dynamic loads.
- Type 1 and 2 cables can accommodate misalignment of the cleats of +/- 10 degrees.

APPLICATIONS

- Suited to structural applications where maximum adjustment from a single end is sought.

Type 1

- Wire diameters 3mm (1/8") to 10mm (3/8") stainless steel.

Type 2

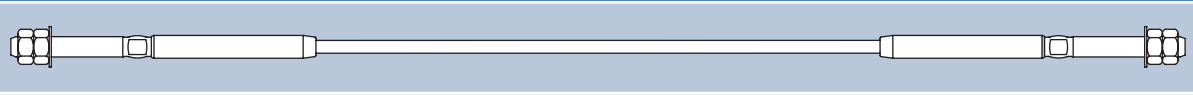
- Wire diameters 12mm (7/16") to 26mm (1") stainless steel.

Type 3

- Wire diameters 28.6mm to 36.3mm stainless steel.
- Wire diameters 8.1mm to 36.3mm galfan coated carbon steel.

ACS3 - Threaded Terminal to Threaded Terminal

SS GS



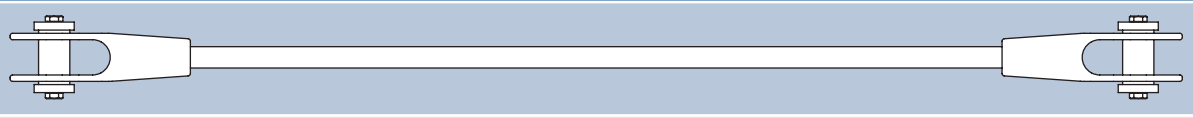
DESCRIPTION
A simple and effective adjustable cable in stainless and carbon steel.

SPECIFIC FEATURES
- Wire diameters 3mm (1/8”) to 36mm (1 7/16”).
- Simple easy tensioning by adjusting the locknuts.
- Adjustable at both ends.
- Threaded ends can be secured to suitably threaded anchorages.
- Used where cable termination points are directly aligned.
- Nuts and washers require suitable bearing surfaces or plates.
- Both threaded cable ends must be accessible.

APPLICATIONS
- Simple and effective tendons where non-loaded adjustment is required at both ends.

ACS4 - Open Jaw Socket to Open Jaw Socket

GF



DESCRIPTION
A high tensile carbon steel cable for high load engineered applications.

SPECIFIC FEATURES
- Wire diameters 21mm to 140mm (available only in metric sizes).
- Fixed length cable of highest load capacity.
- Galfan coated carbon steel (inner round wires heavy galvanized).
- Pre-stretched and manufactured to a nominated design load.
- Socketed end jaw fittings.
- Outer strands fully locked and profiled for highest cross sectional area, load capacity and corrosion resistance.
- High modulus of elasticity.
- High resistance to deformation and surface pressure.

APPLICATIONS
- Suited to engineered structural applications where minimal elongation and cable behaviour are key design parameters.

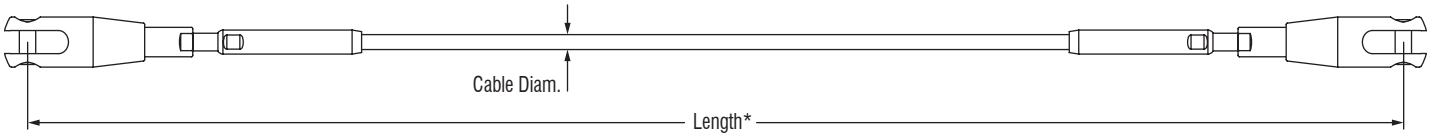
Compact Adjuster to Compact Adjuster

ACS1

What can we say about ACS1, the flagship of the Ronstan cable range, the epitome of provocative yet elegant design? Truth is the product says enough itself, exuding quality and ingenuity in both design and function; attributes that see Ronstan products grace the most advanced and innovative of architectural structures.
If your structure demands a cable of minimalist proportions, an architectural feature in every respect, then this cable is for you. ACS1, with its aesthetics and unique compact adjustable end connections in Grade 316 stainless steel, will enhance any structure resounding considered specification and well thought response.

ACS1 - The elegant structural cable.

ACS1 - Systems



SS Metric Cables

PRODUCT No.	CABLE Ø mm	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS1-SSM04	4	1x19	12.6	1280	2830
ACS1-SSM05	5	1x19	19.6	2000	4410
ACS1-SSM06	6	1x19	28.0	2870	6340
ACS1-SSM08	8	1x19	45.4	4640	10220
ACS1-SSM10	10	1x19	71.0	7250	15980
ACS1-SSM12	12	1x19	102.0	10400	22930
ACS1-SSM14	14	1x19	139.0	14170	31240
ACS1-SSM16	16	1x19	182.0	18550	40910
ACS1-SSM19	19	1x19	212.0	21610	47660
ACS1-SSM22	22	1x19	285.0	29060	64070

SS Imperial Cables - North America only

PRODUCT No.	CABLE Ø in.	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS1-SS-05	5/32	1x19	12.6	1280	2830
ACS1-SS-06	3/16	1x19	18.9	1930	4250
ACS1-SS-08	1/4	1x19	34.0	3440	7584
ACS1-SS-10	5/16	1x19	45.4	4640	10220
ACS1-SS-12	3/8	1x19	64.0	6540	14430
ACS1-SS-16	1/2	1x19	119.0	12100	26670
ACS1-SS-20	5/8	1x19	182.0	18550	40910
ACS1-SS-24	3/4	1x19	212.0	21610	47660
ACS1-SS-28	7/8	1x19	285.0	29060	64070

** Cable length between fittings must be minimum 50 times cable diameter (Ø) for 1x19 construction.*

ACS1 - Component Dimensions

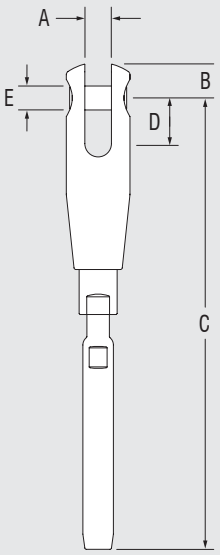
SS Compact Adjusters

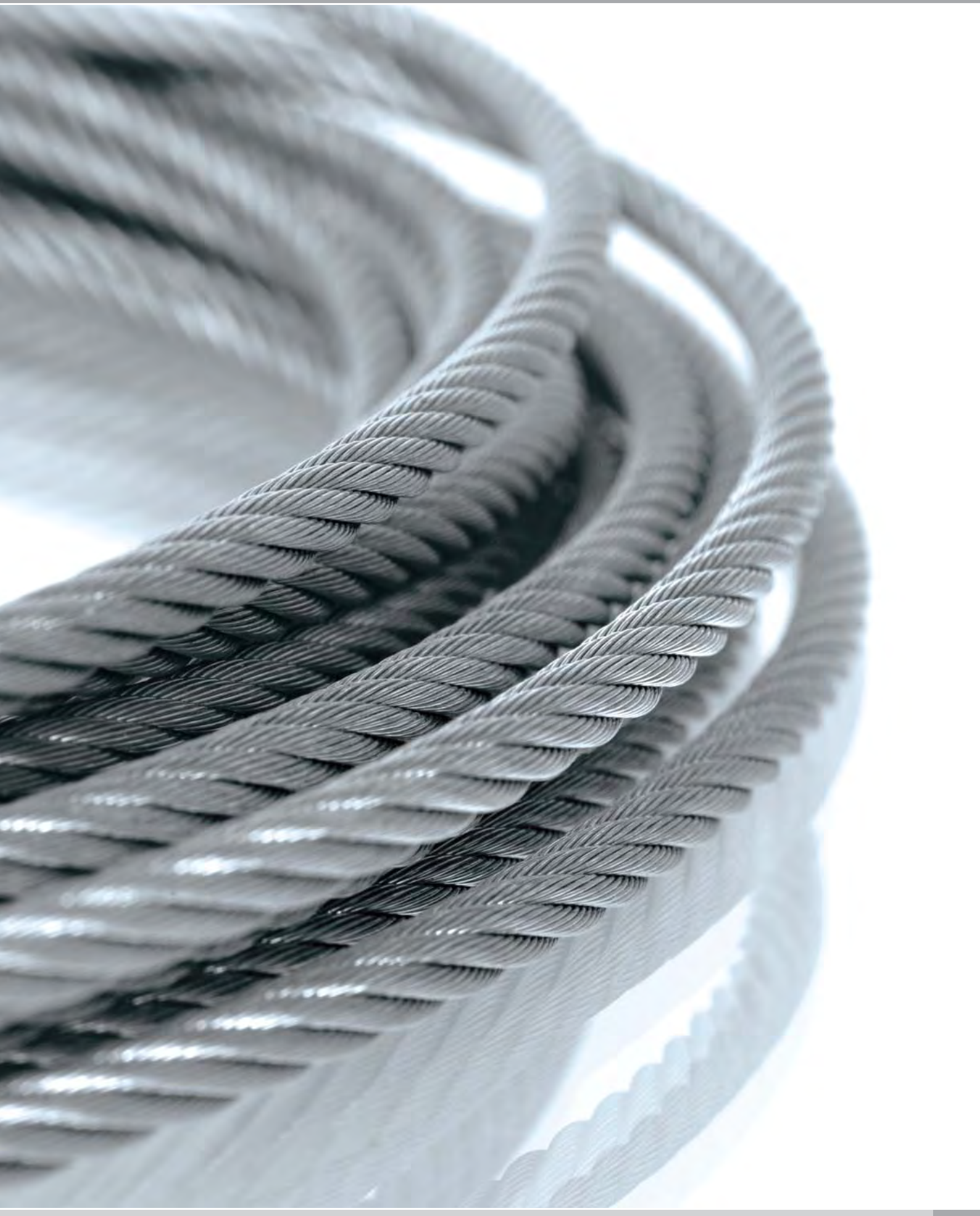
Dimensions in Metric

WIRE Ø		THREAD TYPE	A	B	C MIN.	C MAX.	D	E	WEIGHT
mm	in.		mm	mm	mm	mm	mm	mm	g
4	5/32	1/4" UNF	7.0	9.0	117.0	147.0	11.0	6.2	80
5	3/16	5/16" UNF	8.5	11.0	140.0	175.0	13.0	7.8	150
6	-	3/8" UNF	10.0	13.2	157.0	197.0	18.0	9.4	270
-	1/4	1/2" UNF	14.0	17.7	190.0	235.0	24.0	12.6	570
8	5/16	1/2" UNF	14.0	17.7	213.0	258.0	24.0	12.6	640
10	3/8	5/8" UNF	18.0	22.2	258.0	308.0	30.0	15.7	1120
12	-	3/4" UNF	22.0	26.5	318.0	373.0	38.0	18.9	1950
-	1/2	7/8" UNF	24.0	31.3	335.0	395.0	45.0	22.1	2630
14	-	7/8" UNF	24.0	31.3	359.0	418.0	45.0	22.1	2830
16	5/8	1" UNF	27.0	35.2	406.0	471.0	53.0	25.3	4140
19	3/4	1 1/4" UNF	32.0	44.7	481.0	551.0	66.0	31.6	7480
22	7/8	1 1/4" UNF	32.0	44.7	522.0	592.0	66.0	31.6	8240

Dimensions in Imperial

mm	in.		in.	in.	in.	in.	in.	in.	oz
4	5/32	1/4" UNF	0.276	0.354	4.606	5.787	0.433	0.244	2.8
5	3/16	5/16" UNF	0.335	0.433	5.512	6.890	0.512	0.307	5.3
6	-	3/8" UNF	0.394	0.520	6.181	7.756	0.709	0.370	9.5
-	1/4	1/2" UNF	0.551	0.697	7.480	9.252	0.945	0.496	20.1
8	5/16	1/2" UNF	0.551	0.697	8.386	10.157	0.945	0.496	22.6
10	3/8	5/8" UNF	0.709	0.874	10.157	12.126	1.181	0.618	39.5
12	-	3/4" UNF	0.866	1.043	12.520	14.685	1.496	0.744	68.8
-	1/2	7/8" UNF	0.945	1.232	13.189	15.551	1.772	0.870	92.8
14	-	7/8" UNF	0.945	1.232	14.134	16.457	1.772	0.870	99.9
16	5/8	1" UNF	1.063	1.386	15.984	18.543	2.087	0.966	146.1
19	3/4	1 1/4" UNF	1.260	1.760	18.937	21.693	2.598	1.244	264.0
22	7/8	1 1/4" UNF	1.260	1.760	20.551	23.307	2.598	1.244	290.9



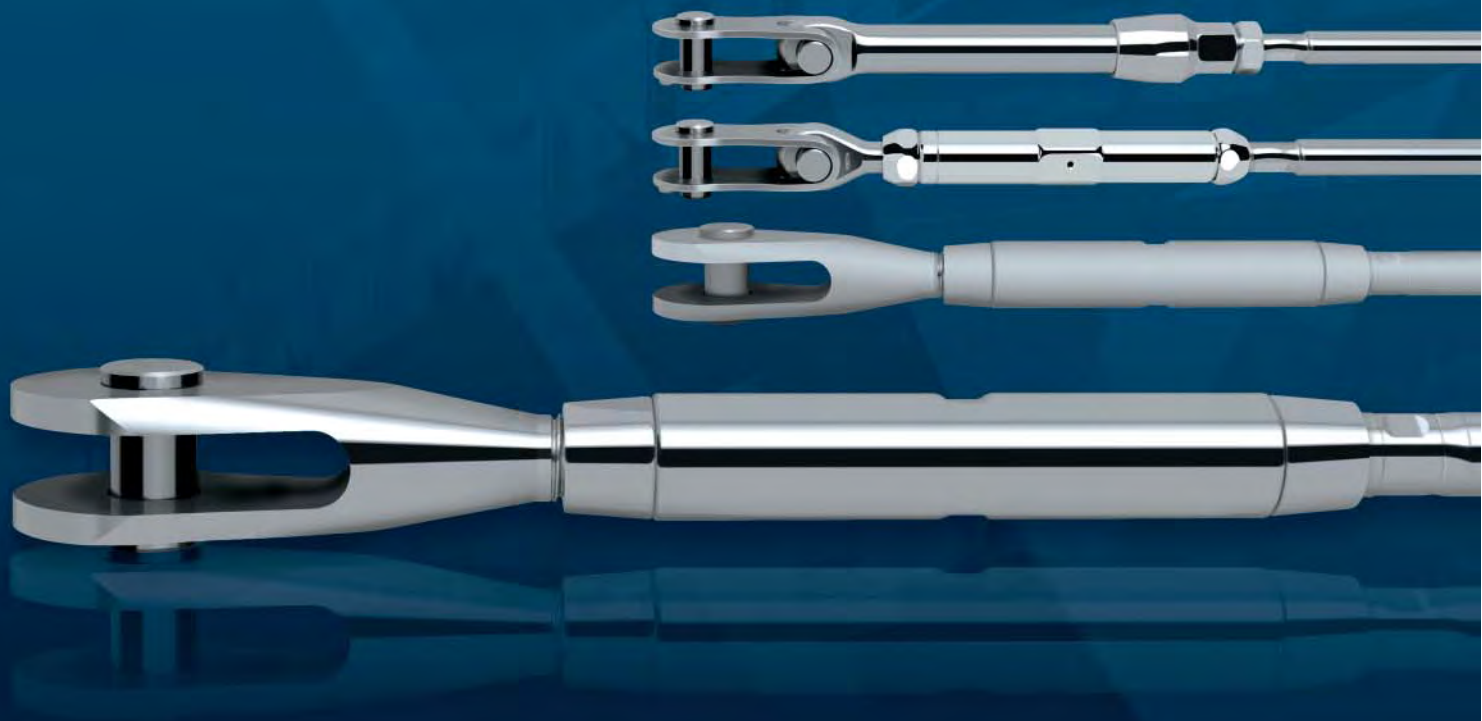


Jaw Turnbuckle to Jaw

ACS2

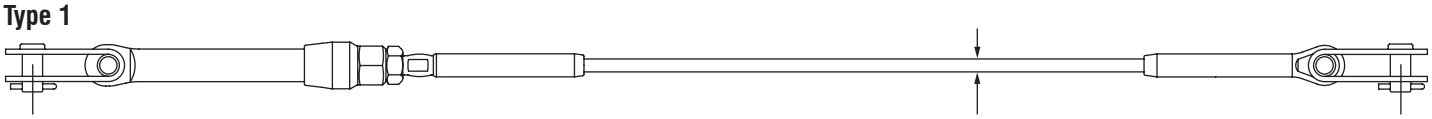
If we sought a cable product to reflect function, purpose and longevity, ACS2 would have to be it. Resplendent in stainless steel or galfan coated carbon steel, this cable is tried and true. The carefully selected corrosion resistant materials reflect experience that has seen our products valued for their integrity and performance in the harshest of marine and architectural conditions.
And with three styles of end fittings tailored to the diameters they service, you need only specify the corrosion protection (stainless or Galfan), and select a diameter to know that your cable will perform to its design capabilities well into the future.

ACS2 - The reliable structural cable with increased adjustment.

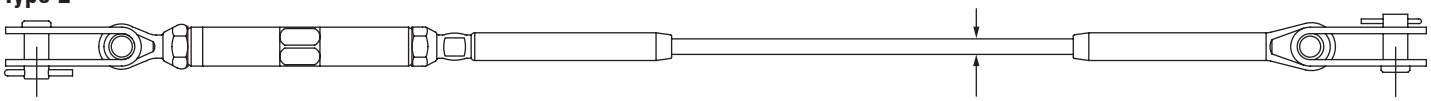


ACS2 - Systems

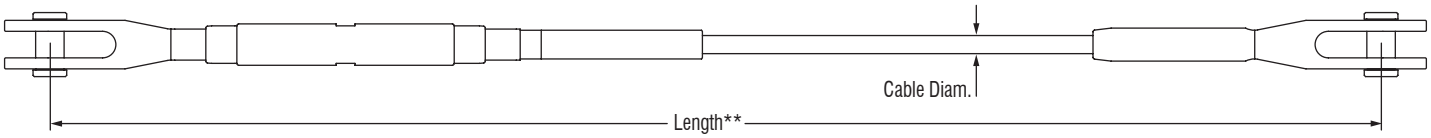
Type 1



Type 2



Type 3



SS Metric Cables

PRODUCT No.	CABLE Ø mm	TURNBUCKLE TYPE	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS2-SSM03	3	Type 1	1 x 19	7.0	720	1580
ACS2-SSM04	4	Type 1	1 x 19	12.6	1280	2830
ACS2-SSM05	5	Type 1	1 x 19	19.6	2000	4410
ACS2-SSM06	6	Type 1	1 x 19	28.0	2870	6340
ACS2-SSM07	7	Type 1	1 x 19	35.0	3540	7800
ACS2-SSM08	8	Type 1	1 x 19	45.4	4640	10220
ACS2-SSM10	10	Type 1	1 x 19	71.0	7250	15980
ACS2-SSM12	12	Type 2	1 x 19	102.0	10400	22930
ACS2-SSM14	14	Type 2	1 x 19	139.0	14170	31240
ACS2-SSM16	16	Type 2	1 x 19	182.0	18550	40910
ACS2-SSM19	19	Type 2	1 x 19	212.0	21610	47660
ACS2-SSM22	22	Type 2	1 x 19	285.0	29060	64070
ACS2-SSM26*	26	Type 2	1 x 19	398.0	40580	89470
ACS2-SSM286*	28.6	Type 3	1 x 61	578.0	58970	129870
ACS2-SSM321*	32.1	Type 3	1 x 91	730.0	74480	164020
ACS2-SSM366*	36.6	Type 3	1 x 91	945.0	96420	212330

SS Imperial Cables - North America only

PRODUCT No.	CABLE Ø in.	TURNBUCKLE TYPE	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS2-SS-04	1/8	Type 1	1 x 19	7.0	720	1580
ACS2-SS-05	5/32	Type 1	1 x 19	12.6	1280	2830
ACS2-SS-06	3/16	Type 1	1 x 19	18.9	1930	4250
ACS2-SS-07	7/32	Type 1	1 x 19	24.2	2470	5440
ACS2-SS-08	1/4	Type 1	1 x 19	34.0	3440	7580
ACS2-SS-09	9/32	Type 1	1 x 19	35.0	3540	7800
ACS2-SS-10	5/16	Type 1	1 x 19	45.4	4640	10220
ACS2-SS-12	3/8	Type 1	1 x 19	64.0	6540	14430
ACS2-SS-14	7/16	Type 2	1 x 19	86.0	8770	19330
ACS2-SS-16	1/2	Type 2	1 x 19	119.0	12100	26670
ACS2-SS-18	9/16	Type 2	1 x 19	139.0	14170	31240
ACS2-SS-20	5/8	Type 2	1 x 19	182.0	18550	41910
ACS2-SS-24	3/4	Type 2	1 x 19	212.0	21610	47660
ACS2-SS-28	7/8	Type 2	1 x 19	285.0	29060	64070
ACS2-SS-32*	1	Type 2	1 x 19	398.0	40580	89470

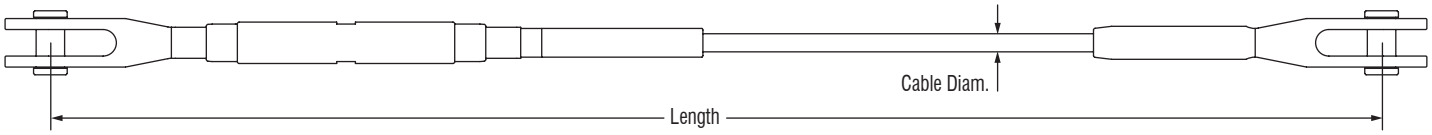
** Non-articulating (Fixed) Jaw*

*** Cable length between fittings must be minimum 50 times cable diameter (Ø) for 1x19 construction.*
Cable length between fittings must be minimum 70 times cable diameter (Ø) for 1x61 and 1x91 construction.construction.

GS ACS2 - Jaw Turnbuckle to Jaw

ACS2 - Systems

Type 3



GS Metric Cables

PRODUCT No.	CABLE Ø mm	TURNBUCKLE TYPE	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS2-GSM81	8.1	Type 3	1 x 19	59	6010	13260
ACS2-GSM101	10.1	Type 3	1 x 19	93	9480	20900
ACS2-GSM122	12.2	Type 3	1 x 19	134	13660	30120
ACS2-GSM141	14.1	Type 3	1 x 37	181	18450	40690
ACS2-GSM170	17.0	Type 3	1 x 37	260	26510	58450
ACS2-GSM201	20.1	Type 3	1 x 37	367	37420	82500
ACS2-GSM244	24.4	Type 3	1 x 37	537	54750	120720
ACS2-GSM283	28.3	Type 3	1 x 37	722	73620	162310
ACS2-GSM313	31.3	Type 3	1 x 61	884	90140	198730
ACS2-GSM363	36.3	Type 3	1 x 61	1189	121240	267290

** Cable length between fittings must be minimum 50 times cable diameter (Ø) for 1x19 and 1x37 construction.*
Cable length between fittings must be minimum 70 times cable diameter (Ø) for 1x61 construction.

ACS2 - Component Dimensions

SS Jaw & Swage Turnbuckles

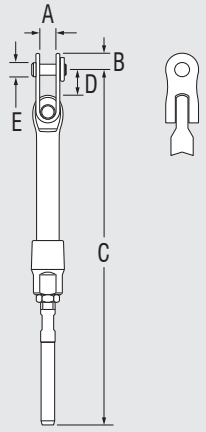
Dimensions in Metric

CABLE Ø		TYPE	THREAD TYPE	A	B	C MIN.	C MAX.	D	E	WEIGHT
mm	in.			mm	mm	mm	mm	mm	mm	g
3	1/8	Type 1	1/4" UNF	7.8	9.1	180.0	235.0	15.5	6.2	120
4	5/32	Type 1	1/4" UNF	7.8	9.1	188.0	243.0	15.5	6.2	120
-	3/16	Type 1	1/4" UNF	7.8	9.1	174.0	231.0	15.5	6.2	126
5	-	Type 1	5/16" UNF	9.4	11.2	219.0	284.0	20.0	7.9	200
-	7/32	Type 1	3/8" UNF	10.0	14.4	245.0	325.0	20.8	9.4	320
6	-	Type 1	7/16" UNF	11.7	15.5	291.0	386.0	24.0	10.9	526
-	1/4	Type 1	1/2" UNF	13.9	17.5	316.0	426.0	28.0	12.4	718
7	9/32	Type 1	1/2" UNF	13.9	17.5	326.0	436.0	28.0	12.4	742
8	5/16	Type 1	1/2" UNF	13.9	17.5	333.0	446.0	28.0	12.4	784
10	3/8	Type 1	5/8" UNF	17.0	20.8	430.0	570.0	40.7	15.7	1470
-	7/16	Type 2	3/4" UNF	20.0	23.8	460.0	570.0	48.0	18.9	2026
12	-	Type 2	3/4" UNF	20.0	23.8	467.0	577.0	48.0	18.9	2118
-	1/2	Type 2	7/8" UNF	26.6	28.5	530.0	655.0	44.2	22.0	3280
14	-	Type 2	7/8" UNF	26.6	28.5	539.0	664.0	44.2	22.0	3470
-	9/16	Type 2	7/8" UNF	29.3	31.8	599.0	729.0	59.2	25.2	5240
16	5/8	Type 2	1" UNF	29.3	31.8	622.0	752.0	59.2	25.2	5410
19	3/4	Type 2	1 1/4" UNF	36.0	42.5	762.0	882.0	74.1	31.7	11230
22	7/8	Type 2	1 1/4" UNF	36.0	42.5	791.0	911.0	74.1	31.7	11830
26*	1	Type 2	1 3/8" UNF	36.0	46.0	977.0	1267.0	75.0	34.8	19200
28.3*	-	Type 3	M42	33.0	67.0	846.0	1014.0	76.0	40.0	17000
31.3*	-	Type 3	M48	38.0	71.0	955.0	1147.0	84.0	45.0	23900
36.3*	-	Type 3	M56	49.0	86.0	1109.0	1333.0	101.0	55.0	36700

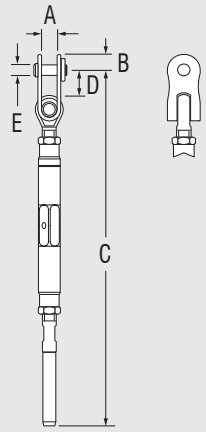
Dimensions in Imperial

mm	in.			in.	in.	in.	in.	in.	in.	oz
3	1/8	Type 1	1/4" UNF	0.307	0.358	7.087	9.252	0.610	0.244	4.2
4	5/32	Type 1	1/4" UNF	0.307	0.358	7.402	9.567	0.610	0.244	4.2
-	3/16	Type 1	1/4" UNF	0.307	0.358	6.850	9.094	0.610	0.244	4.5
5	-	Type 1	5/16" UNF	0.370	0.441	8.622	11.181	0.787	0.311	7.1
-	7/32	Type 1	3/8" UNF	0.394	0.567	9.646	12.795	0.819	0.370	11.3
6	-	Type 1	7/16" UNF	0.461	0.610	11.457	15.197	0.945	0.429	18.6
-	1/4	Type 1	1/2" UNF	0.547	0.689	12.441	16.772	1.102	0.488	25.4
7	9/32	Type 1	1/2" UNF	0.547	0.689	12.835	17.165	1.102	0.488	26.2
8	5/16	Type 1	1/2" UNF	0.547	0.689	13.110	17.559	1.102	0.488	27.7
10	3/8	Type 1	5/8" UNF	0.669	0.819	16.929	22.441	1.602	0.618	51.9
-	7/16	Type 2	3/4" UNF	0.787	0.937	18.110	22.441	1.890	0.744	71.6
12	-	Type 2	3/4" UNF	0.787	0.937	18.386	22.717	1.890	0.744	74.8
-	1/2	Type 2	7/8" UNF	1.047	1.122	20.866	25.787	1.740	0.866	115.9
14	-	Type 2	7/8" UNF	1.047	1.122	21.220	26.142	1.740	0.866	122.6
-	9/16	Type 2	1" UNF	1.154	1.252	23.583	28.701	2.331	0.992	185.2
16	5/8	Type 2	1" UNF	1.154	1.252	24.488	29.606	2.331	0.992	191.2
19	3/4	Type 2	1 1/4" UNF	1.417	1.673	30.000	34.724	2.917	1.248	396.8
22	7/8	Type 2	1 1/4" UNF	1.417	1.673	31.142	35.866	2.917	1.248	418.0
26*	1	Type 2	1 3/8" UNF	1.417	1.811	38.465	49.882	2.952	1.375	678.4
28.3*	-	Type 3	M42	1.299	2.638	33.307	39.921	2.992	1.575	600.7
31.3*	-	Type 3	M48	1.496	2.795	37.598	45.157	3.307	1.772	844.5
36.3*	-	Type 3	M56	1.929	3.386	43.661	52.480	3.976	2.165	1296.8

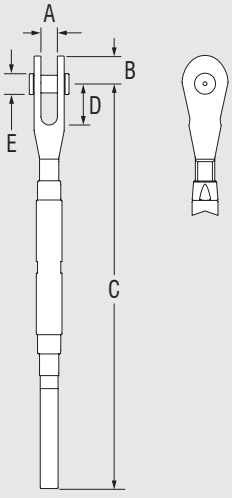
** Non-articulating (Fixed) Jaw*



Type 1 - Articulating (Toggle) Jaw



Type 2 - Articulating (Toggle) Jaw



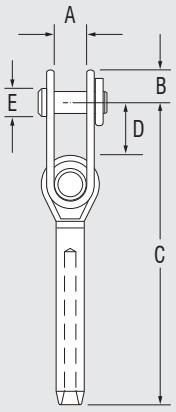
Type 3 - Non-articulating (Fixed) Jaw

ACS2 - Component Dimensions

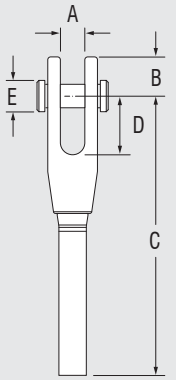
SS Jaw Swage Terminals

Dimensions in Metric

CABLE Ø		TO SUIT TYPE	A	B	C	D	E	WEIGHT
mm	in.		mm	mm	mm	mm	mm	g
3	1/8	1 & 2	7.8	9.1	77.0	16.8	6.2	44
4	5/32	1 & 2	7.8	9.1	87.1	16.8	6.2	74
	3/16	1 & 2	9.4	11.2	98.0	20.7	7.9	80
5	-	1 & 2	9.4	11.2	103.7	20.7	7.9	80
-	7/32	1 & 2	10.0	14.4	110.9	23.0	9.4	142
6	-	1 & 2	13.9	17.5	141.3	29.4	12.4	280
-	1/4	1 & 2	13.9	17.5	141.3	29.4	12.4	276
7	9/32	1 & 2	13.9	17.5	151.9	29.4	12.4	332
8	5/16	1 & 2	13.9	17.5	160.6	29.4	12.4	494
-	3/8	1 & 2	17.0	20.8	198.2	42.2	15.7	554
10	-	1 & 2	17.0	20.8	198.2	42.2	15.7	540
12	-	1 & 2	20.0	23.8	249.0	48.9	18.9	930
-	1/2	1 & 2	26.6	28.5	257.0	44.4	22.0	1368
14	9/16	1 & 2	26.6	28.5	278.3	44.4	22.0	1536
16	5/8	1 & 2	29.3	31.8	324.5	60.3	25.2	2632
19	3/4	1 & 2	36.5	42.5	387.8	74.1	31.7	4736
22	7/8	1 & 2	36.5	42.5	425.0	74.1	31.7	5530
26*	1	1 & 2	36.5	46.0	480.0	75.0	34.8	8378
28.3*	-	3	33.0	67.0	424.0	76.0	40.0	8200
31.3*	-	3	38.0	71.0	466.0	84.0	45.0	11200
36.3*	-	3	49.0	86.0	547.0	101.0	55.0	17500



Type 1 & 2 - Articulating (Toggle) Jaw



Type 3 - Non-articulating (Fixed) Jaw

Dimensions in Imperial

mm	in.		in.	in.	in.	in.	in.	oz
3	1/8	1 & 2	0.307	0.358	3.031	0.661	0.244	1.6
4	5/32	1 & 2	0.307	0.358	3.429	0.661	0.244	2.6
	3/16	1 & 2	0.370	0.441	3.858	0.815	0.311	2.8
5	-	1 & 2	0.370	0.441	4.083	0.815	0.311	2.8
-	7/32	1 & 2	0.394	0.567	4.366	0.906	0.370	5.0
6	-	1 & 2	0.547	0.689	5.563	1.157	0.488	9.9
-	1/4	1 & 2	0.547	0.689	5.563	1.157	0.488	9.8
7	9/32	1 & 2	0.547	0.689	5.980	1.157	0.488	11.7
8	5/16	1 & 2	0.547	0.689	6.323	1.157	0.488	17.5
-	3/8	1 & 2	0.669	0.819	7.803	1.661	0.618	19.6
10	-	1 & 2	0.669	0.819	7.803	1.661	0.618	19.1
12	-	1 & 2	0.787	0.937	9.803	1.925	0.744	32.9
-	1/2	1 & 2	1.047	1.122	10.118	1.748	0.866	48.3
14	9/16	1 & 2	1.047	1.122	10.957	1.748	0.866	54.3
16	5/8	1 & 2	1.154	1.252	12.776	2.374	0.992	93.0
19	3/4	1 & 2	1.437	1.673	15.268	2.917	1.248	167.3
22	7/8	1 & 2	1.437	1.673	16.732	2.917	1.248	195.4
26*	1	1 & 2	1.437	1.811	18.898	2.952	1.370	296.0
28.3*	-	3	1.299	2.638	16.693	2.992	1.575	289.8
31.3*	-	3	1.496	2.795	18.346	3.307	1.772	395.8
36.3*	-	3	1.929	3.386	21.535	3.976	2.165	618.4

** Non-articulating (Fixed) Jaw*

ACS2 - Component Dimensions

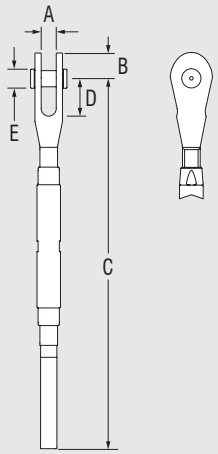
GS Jaw & Swage Turnbuckles

Dimensions in Metric

CABLE Ø.		THREAD TYPE	A	B	C MIN.	C MAX.	D	E	WEIGHT
mm	in.		mm	mm	mm	mm	mm	mm	g
8.1	0.319	M14	12.5	20	278	334	24	12	600
10.1	0.398	M16	14.5	25	334	398	29	15	1100
12.2	0.480	M20	17.5	30	414	494	35	19	2100
14.1	0.555	M24	20.5	35	489	585	41	22	3400
17.0	0.669	M27	22.5	41	565	673	48	25	5100
20.1	0.791	M30	28	49	664	784	58	30	8000
24.4	0.961	M36	28	60	802	946	66	33	15000
28.3	1.114	M42	33	69	932	1100	76	40	23200
31.3	1.232	M48	38	74	1036	1228	84	45	31000
36.3	1.429	M56	49	89	1200	1424	101	55	47200

Dimensions in Imperial

mm	in.		in.	in.	in.	in.	in.	in.	oz
8.1	0.319	M14	0.492	0.787	10.945	13.150	0.945	0.472	21.2
10.1	0.398	M16	0.571	0.984	13.150	15.669	1.142	0.591	38.8
12.2	0.480	M20	0.689	1.181	16.299	19.449	1.378	0.748	74.1
14.1	0.555	M24	0.807	1.378	19.252	23.031	1.614	0.866	120.0
17.0	0.669	M27	0.886	1.614	22.244	26.496	1.890	0.984	180.0
20.1	0.791	M30	1.102	1.929	26.142	30.866	2.283	1.181	282.2
24.4	0.961	M36	1.102	2.362	31.575	37.244	2.598	1.299	529.1
28.3	1.114	M42	1.299	2.717	36.693	43.307	2.992	1.575	818.3
31.3	1.232	M48	1.496	2.913	40.787	48.346	3.307	1.772	1093.5
36.3	1.429	M56	1.929	3.504	47.244	56.063	3.976	2.165	1665.0



Type 3 - Non-articulating (Fixed) Jaw

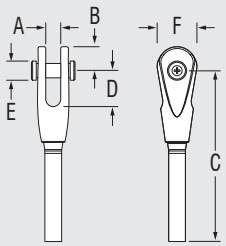
GS Jaw Swage Terminals

Dimensions in Metric

CABLE Ø.		A	B	C	D	E	F	WEIGHT
mm	in.	mm	mm	mm	mm	mm	mm	g
8.1	0.319	12.5	20	137	24	12	33	300
10.1	0.398	14.5	25	170	29	15	43	600
12.2	0.480	17.5	30	205	35	19	51	1000
14.1	0.555	20.5	35	240	41	22	61	1600
17.0	0.669	22.5	41	283	48	25	69	2500
20.1	0.791	28	49	343	58	30	84	4800
24.4	0.961	28	60	411	66	33	103	9100
28.3	1.114	33	69	480	76	40	119	12500
31.3	1.232	38	74	521	84	45	128	18000
36.3	1.429	49	89	616	101	55	152	25500

Dimensions in Imperial

mm	in.	in.	in.	in.	in.	in.	in.	lb
8.1	0.319	0.492	0.787	5.394	0.945	0.472	1.299	10.6
10.1	0.398	0.571	0.984	6.693	1.142	0.591	1.693	21.2
12.2	0.480	0.689	1.181	8.071	1.378	0.748	2.008	35.3
14.1	0.555	0.807	1.378	9.449	1.614	0.866	2.402	56.4
17.0	0.669	0.886	1.614	11.142	1.890	0.984	2.717	88.2
20.1	0.791	1.102	1.929	13.504	2.283	1.181	3.307	169.3
24.4	0.961	1.102	2.362	16.181	2.598	1.299	4.055	321.0
28.3	1.114	1.299	2.717	18.898	2.992	1.575	4.685	441.0
31.3	1.232	1.496	2.913	20.512	3.307	1.772	5.039	635.0
36.3	1.429	1.929	3.504	24.252	3.976	2.165	5.984	899.5



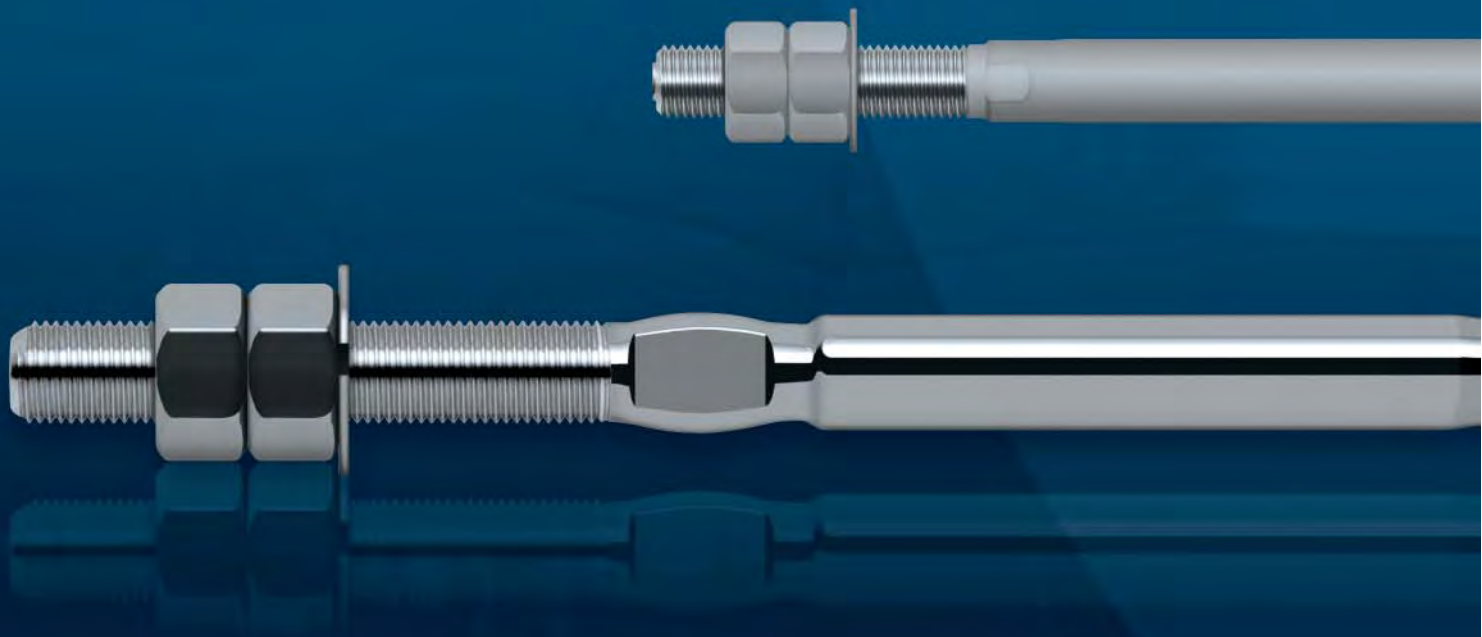
Type 3 - Non-articulating (Fixed) Jaw

Threaded Terminal to Threaded Terminal

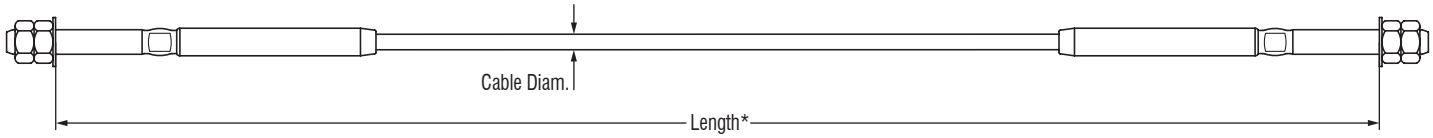
ACS3

It comes down to function. No slick copy here. Simple, efficient, effective, slimline and minimalist; all words commonly used to describe ACS3, the cable with threaded ends for positive connection. If a static load needs to be carried or braced between two aligned points, and you have access to both sides of the connection plates, then ACS3 is the economical cable for you, even more so if you select galfan over stainless for corrosion protection.
While the cable may be simple, designing connections can be a challenge. We understand the structure behind the cable and can help with the development of your solution.

ACS3 - The simple cable for well aligned loads.



ACS3 - Systems



SS Metric Cables

PRODUCT No.	CABLE Ø mm	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS3-SSM03	3	1 x 19	7.0	720	1580
ACS3-SSM04	4	1 x 19	12.6	1280	2830
ACS3-SSM05	5	1 x 19	19.6	2000	4410
ACS3-SSM06	6	1 x 19	28.0	2870	6340
ACS3-SSM07	7	1 x 19	35.0	3540	7800
ACS3-SSM08	8	1 x 19	45.4	4640	10220
ACS3-SSM10	10	1 x 19	71.0	7250	15980
ACS3-SSM12	12	1 x 19	102.0	10400	22930
ACS3-SSM14	14	1 x 19	139.0	14170	31240
ACS3-SSM16	16	1 x 19	182.0	18550	40910
ACS3-SSM19	19	1 x 19	212.0	21610	47660
ACS3-SSM22	22	1 x 19	285.0	29060	64070
ACS3-SSM26	26	1 x 19	398.0	40580	89470
ACS3-SSM286	28.6	1 x 61	578.0	58970	129870
ACS3-SSM321	32.1	1 x 91	730.0	74480	164020
ACS3-SSM366	36.6	1 x 91	945.0	96420	212330

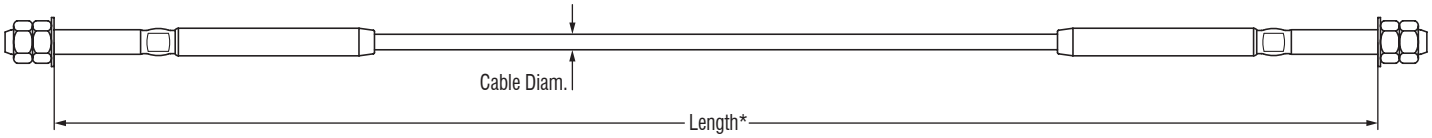
SS Imperial Cables - North America only

PRODUCT No.	CABLE Ø in.	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS3-SS-04	1/8	1 x 19	7.1	720	1587
ACS3-SS-05	5/32	1 x 19	12.6	1280	2830
ACS3-SS-06	3/16	1 x 19	18.9	1930	4250
ACS3-SS-07	7/32	1 x 19	24.2	2470	5440
ACS3-SS-08	1/4	1 x 19	34.0	3440	7580
ACS3-SS-09	9/32	1 x 19	35.0	3540	7800
ACS3-SS-10	5/16	1 x 19	45.4	4640	10220
ACS3-SS-12	3/8	1 x 19	64.0	6540	14430
ACS3-SS-14	7/16	1 x 19	86.0	8770	19330
ACS3-SS-16	1/2	1 x 19	119.0	12100	26670
ACS3-SS-18	9/16	1 x 19	139.0	14170	31240
ACS3-SS-20	5/8	1 x 19	182.0	18550	40910
ACS3-SS-24	3/4	1 x 19	212.0	21610	47660
ACS3-SS-28	7/8	1 x 19	285.0	29060	64070
ACS3-SS-32	1	1 x 19	398.0	40580	89470

** Cable length between fittings must be minimum 50 times cable diameter (Ø) for 1x19 construction.*
Cable length between fittings must be minimum 70 times cable diameter (Ø) for 1x61 and 1x91 construction.

GS ACS3 - Threaded Terminal to Threaded Terminal

ACS3 - Systems



GS Metric Cables

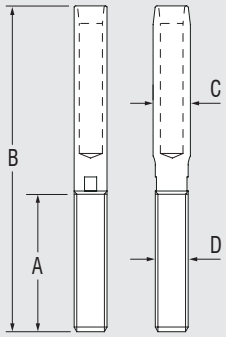
PRODUCT No.	CABLE Ø mm	CABLE Ø in.	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS3-GSM81	8.1	0.319	1x 19	59	6010	13260
ACS3-GSM101	10.1	0.398	1x 19	93	9480	20900
ACS3-GSM122	12.2	0.480	1x 19	134	13660	30120
ACS3-GSM141	14.1	0.555	1 x 37	181	18450	40690
ACS3-GSM170	17.0	0.669	1 x 37	260	26510	58420
ACS3-GSM201	20.1	0.791	1 x 37	367	37420	82462
ACS3-GSM244	24.4	0.961	1 x 37	537	54750	120660
ACS3-GSM283	28.6	1.114	1 x 37	722	73620	162228
ACS3-GSM313	31.3	1.232	1 x 61	884	90140	198629
ACS3-GSM363	36.3	1.429	1 x 61	1189	121240	267161

** Cable length between fittings must be minimum 50 times cable diameter (Ø) for 1x19 and 1x37 construction.*
Cable length between fittings must be minimum 70 times cable diameter (Ø) for 1x61 construction.

GS Threaded Swage Terminals

Dimensions in Metric

CABLE Ø mm	CABLE Ø in.	A mm	B mm	C* mm	D mm	WEIGHT g
8.1	0.319	56	141	16	M14	200
10.1	0.398	64	168	20	M16	300
12.2	0.480	80	206	25	M20	500
14.1	0.555	96	244	30	M24	900
17.0	0.669	108	285	34	M27	1300
20.1	0.791	120	328	40	M30	1900
24.4	0.961	144	394	50	M36	3500
28.3	1.114	168	459	57	M42	5400
31.3	1.232	192	515	64	M48	7700
36.3	1.429	224	597	71	M56	11300



Dimensions in Imperial

mm	in.	A in.	B in.	C* in.	D in.	WEIGHT oz
8.1	0.319	2.205	5.551	0.630	M14	7.1
10.1	0.398	2.520	6.614	0.787	M16	10.6
12.2	0.480	3.150	8.110	0.984	M20	17.6
14.1	0.555	3.780	9.606	1.181	M24	31.7
17.0	0.669	4.252	11.220	1.339	M27	45.9
20.1	0.791	4.724	12.913	1.575	M30	67.0
24.4	0.961	5.669	15.512	1.969	M36	123.5
28.3	1.114	6.614	18.071	2.244	M42	190.5
31.3	1.232	7.559	20.276	2.520	M48	271.6
36.3	1.429	8.819	23.504	2.795	M56	398.6

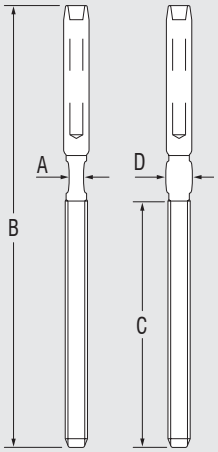
** After swaging*

ACS3 - Component Dimensions

SS Threaded Swage Terminals

Dimensions in Metric

CABLE Ø		THREAD TYPE	A	B	C	D	WEIGHT
mm	in.		mm	mm	mm	mm	g
3	1/8	1/4" UNF	3.9	132.5	73.5	7.0	24
4	5/32	1/4" UNF	3.9	141.0	74.5	7.0	30
-	3/16	1/4" UNF	3.9	128.5	74.0	7.0	32
5	-	5/16" UNF	4.4	163.5	89.0	9.1	52
	7/32	3/8" UNF	6.2	185.0	105.0	10.3	90
6	-	7/16" UNF	7.6	221.0	124.0	11.6	155
-	1/4	1/2" UNF	8.5	240.0	143.0	14.4	196
7	-	1/2" UNF	8.5	250.0	143.0	14.0	225
8	-	1/2" UNF	8.5	263.0	143.0	13.9	258
-	3/8	5/8" UNF	11.5	330.0	190.0	17.4	452
10	-	5/8" UNF	11.5	330.0	190.0	17.4	446
-	7/16	3/4" UNF	12.0	259.7	105.0	20.7	468
12	-	3/4" UNF	12.0	286.2	105.0	21.0	560
-	1/2	7/8" UNF	14.4	294.7	118.0	24.0	662
14	-	7/8" UNF	14.4	319.9	118.0	23.9	846
-	9/16	7/8" UNF	14.4	319.9	118.0	24.0	1040
16	5/8	1" UNF	18.0	360.0	130.0	27.4	1228
19	3/4	1 1/4" UNF	25.0	418.6	150.0	32.7	2230
22	7/8	1 1/4" UNF	25.0	460.4	150.0	32.7	2970
26	1	1 3/8" UNF	28.7	586.4	236.0	37.5	4630
28.6	-	M42	36.0	456.0	168.0	51.0	17000
32.1	-	M48	45.0	523.0	192.0	60.0	23900
36.6	-	M56	50.0	594.0	224.0	66.0	36700



Dimensions in Imperial

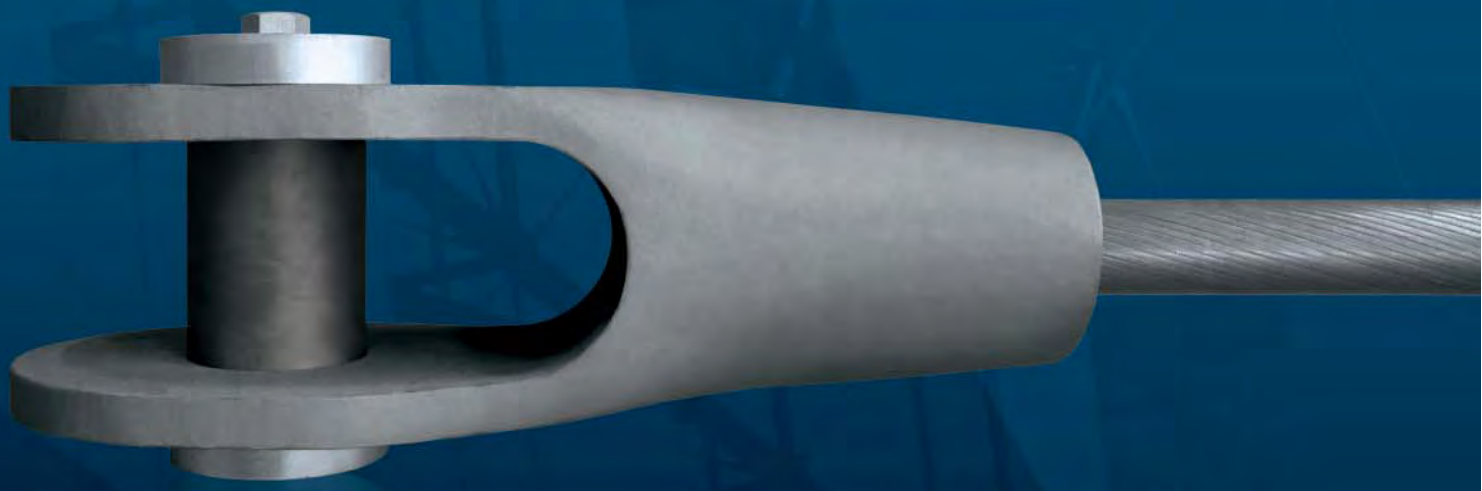
mm	in.		in.	in.	in.	in.	oz
3	1/8	1/4" UNF	0.154	5.217	2.894	0.276	0.8
4	5/32	1/4" UNF	0.154	5.551	2.933	0.276	1.1
-	3/16	1/4" UNF	0.154	5.059	2.913	0.276	1.1
5	-	5/16" UNF	0.173	6.437	3.504	0.358	1.8
	7/32	3/8" UNF	0.244	7.283	4.134	0.406	3.2
6	-	7/16" UNF	0.299	8.701	4.882	0.457	5.5
-	1/4	1/2" UNF	0.335	9.449	5.630	0.567	6.9
7	-	1/2" UNF	0.335	9.843	5.630	0.551	8.0
8	-	1/2" UNF	0.335	10.354	5.630	0.547	9.1
-	3/8	5/8" UNF	0.453	12.992	7.480	0.685	16.0
10	-	5/8" UNF	0.453	12.992	7.480	0.685	15.8
-	7/16	3/4" UNF	0.472	10.224	4.134	0.815	16.5
12	-	3/4" UNF	0.472	11.268	4.134	0.827	19.8
-	1/2	7/8" UNF	0.567	11.602	4.646	0.945	23.4
14	-	7/8" UNF	0.567	12.594	4.646	0.941	29.9
-	9/16	7/8" UNF	0.567	12.594	4.646	0.945	36.7
16	5/8	1" UNF	0.709	14.173	5.118	1.079	43.4
19	3/4	1 1/4" UNF	0.984	16.480	5.906	1.287	78.9
22	7/8	1 1/4" UNF	0.984	18.126	5.906	1.287	104.9
26	1	1 3/8" UNF	1.130	23.087	9.291	1.476	163.6
28.6	-	M42	1.417	17.953	6.614	2.008	600.7
32.1	-	M48	1.772	20.591	7.559	2.362	844.5
36.6	-	M56	1.969	23.386	8.819	2.598	1296.8

Open Jaw Socket to Open Jaw Socket

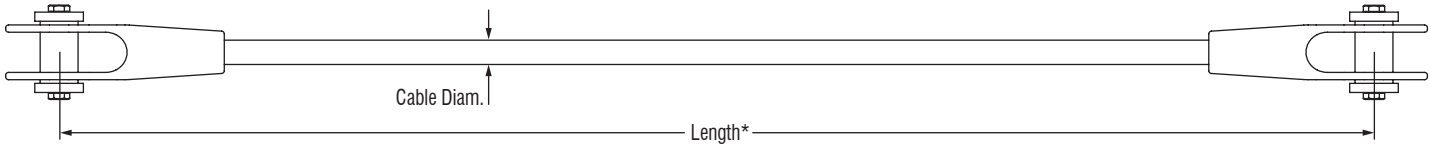
ACS4

The “Grand Daddy”…the real deal. ACS4 is a serious cable, pre-stretched, cut under defined load, and manufactured to a specific design load for optimal performance. Where it pays to predict the exact behaviour of the cable, where it really counts, ACS4 must be selected. Only available in high tensile carbon steel, and coated with Galfan, ACS4 has fixed open socket/jaw fittings with no adjustment. Predicting the exact cable performance during manufacture, taking temperature and elongation etc into account, ensures the cable will be the perfect length after installation under a pre-stress load.

ACS4 - The definitive cable for high load tensile applications.



ACS4 - Systems



GF Metric Cables

PRODUCT No.	CABLE Ø mm	CABLE Ø in.	CABLE CONSTRUCTION	B.L. kN	B.L. kg	B.L. lb
ACS4-GFM21	21	0.827	VVS-1	405	41290	91040
ACS4-GFM26	26	1.024	VVS-1	621	63320	139600
ACS4-GFM31	31	1.220	VVS-2	916	93400	205920
ACS4-GFM35	35	1.378	VVS-2	1170	119300	263020
ACS4-GFM40	40	1.575	VVS-2	1520	154990	341710
ACS4-GFM45	45	1.772	VVS-2	1930	196800	433880
ACS4-GFM50	50	1.968	VVS-2	2380	242690	535040
ACS4-GFM55	55	2.165	VVS-3	3020	307950	678920
ACS4-GFM60	60	2.362	VVS-3	3590	366070	807060
ACS4-GFM65	65	2.559	VVS-3	4220	430320	948690
ACS4-GFM70	70	2.756	VVS-3	4890	498640	1099310
ACS4-GFM75	75	2.953	VVS-3	5620	573080	1263420
ACS4-GFM80	80	3.150	VVS-3	6390	651590	1436520
ACS4-GFM85	85	3.346	VVS-3	7210	735210	1620870
ACS4-GFM90	90	3.543	VVS-3	8090	824950	1818700
ACS4-GFM95	95	3.740	VVS-3	9110	928960	2048000
ACS4-GFM100	100	3.937	VVS-3	10100	1029910	2270570
ACS4-GFM105	105	4.134	VVS-3	11100	1131880	2495370
ACS4-GFM110	110	4.331	VVS-3	12200	1244050	2742660
ACS4-GFM115	115	4.528	VVS-3	13400	1366420	3012440
ACS4-GFM120	120	4.724	VVS-3	14500	1478580	3259730
ACS4-GFM125	125	4.921	VVS-3	15800	1611150	3551980
ACS4-GFM130	130	5.118	VVS-3	17300	1764100	3889190
ACS4-GFM135	135	5.315	VVS-3	18600	1896670	4181440
ACS4-GFM140	140	5.512	VVS-3	20000	2039430	4496170

** Cable length between fittings must be minimum 70 times cable diameter (Ø).*

Due to pre-stressing and / or differing weather conditions inner filling may escape to the surface.
Subject to technical modification.
Other sizes available upon request.

ACS4 - Component Dimensions

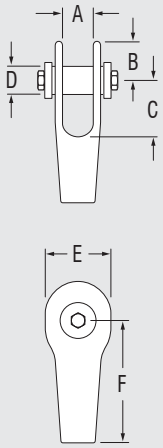
GF Open Jaw Sockets

Dimensions in Metric

CABLE Ø		A	B	C	D	E	F	WEIGHT
mm	in.	mm	mm	mm	mm	mm	mm	kg*
21	0.827	40	55	48	39	90	170	3
26	1.024	50	68	58	44	110	210	5
31	1.220	60	83	72	54	135	255	9
35	1.378	70	98	82	64	160	295	15
40	1.575	70	98	82	64	160	295	15
45	1.772	80	110	96	73	180	340	23
50	1.968	90	123	106	83	200	380	31
55	2.165	100	140	120	88	230	425	44
60	2.362	110	153	130	98	250	465	58
65	2.559	120	165	144	108	270	510	76
70	2.756	130	178	154	118	290	550	95
75	2.953	140	195	168	128	320	595	149
80	3.150	150	208	178	138	340	635	183
85	3.346	160	220	192	142	360	680	215
90	3.543	170	233	202	153	380	720	262
95	3.740	180	260	231	162	410	780	324
100	3.937	190	263	223	172	430	805	369
105	4.134	200	275	240	182	450	850	424
110	4.331	205	295	262	187	480	900	527
115	4.528	218	317	264	202	503	935	625
120	4.724	230	335	302	207	530	1015	749
125	4.921	238	350	288	217	550	1020	808
130	5.118	247	365	300	227	570	1063	913
135	5.315	256	380	315	237	590	1105	1015
140	5.512	267	395	324	247	620	1148	1132

Dimensions in Imperial

mm	in.	in.	in.	in.	in.	in.	in.	lb*
21	0.827	1.575	2.165	1.890	1.535	3.543	6.693	7
26	1.024	1.968	2.677	2.283	1.732	4.331	8.268	11
31	1.220	2.362	3.268	2.835	2.126	5.315	10.039	20
35	1.378	2.756	3.858	3.228	2.520	6.299	11.614	33
40	1.575	2.756	3.858	3.228	2.520	6.299	11.614	33
45	1.772	3.150	4.331	3.780	2.874	7.087	13.386	51
50	1.968	3.543	4.843	4.173	3.268	7.874	14.961	68
55	2.165	3.937	5.512	4.724	3.465	9.055	16.732	97
60	2.362	4.331	6.024	5.118	3.858	9.842	18.307	128
65	2.559	4.724	6.496	5.669	4.252	10.630	20.079	168
70	2.756	5.118	7.008	6.063	4.646	11.417	21.654	209
75	2.953	5.512	7.677	6.614	5.039	12.598	23.425	329
80	3.150	5.905	8.189	7.008	5.433	13.386	25.000	403
85	3.346	6.299	8.661	7.559	5.591	14.173	26.772	474
90	3.543	6.693	9.173	7.953	6.024	14.961	28.346	578
95	3.740	7.087	10.236	9.094	6.378	16.142	30.709	714
100	3.937	7.480	10.354	8.780	6.772	16.929	31.693	814
105	4.134	7.874	10.827	9.449	7.165	17.716	33.465	935
110	4.331	8.071	11.614	10.315	7.362	18.898	35.433	1162
115	4.528	8.583	12.480	10.394	7.953	19.803	36.811	1378
120	4.724	9.055	13.189	11.890	8.150	20.866	39.961	1651
125	4.921	9.370	13.779	11.339	8.543	21.653	40.157	1781
130	5.118	9.724	14.370	11.811	8.397	22.441	41.850	2013
135	5.315	10.079	14.961	12.402	9.331	23.228	43.504	2238
140	5.512	10.512	15.551	12.756	9.724	24.409	45.197	2496



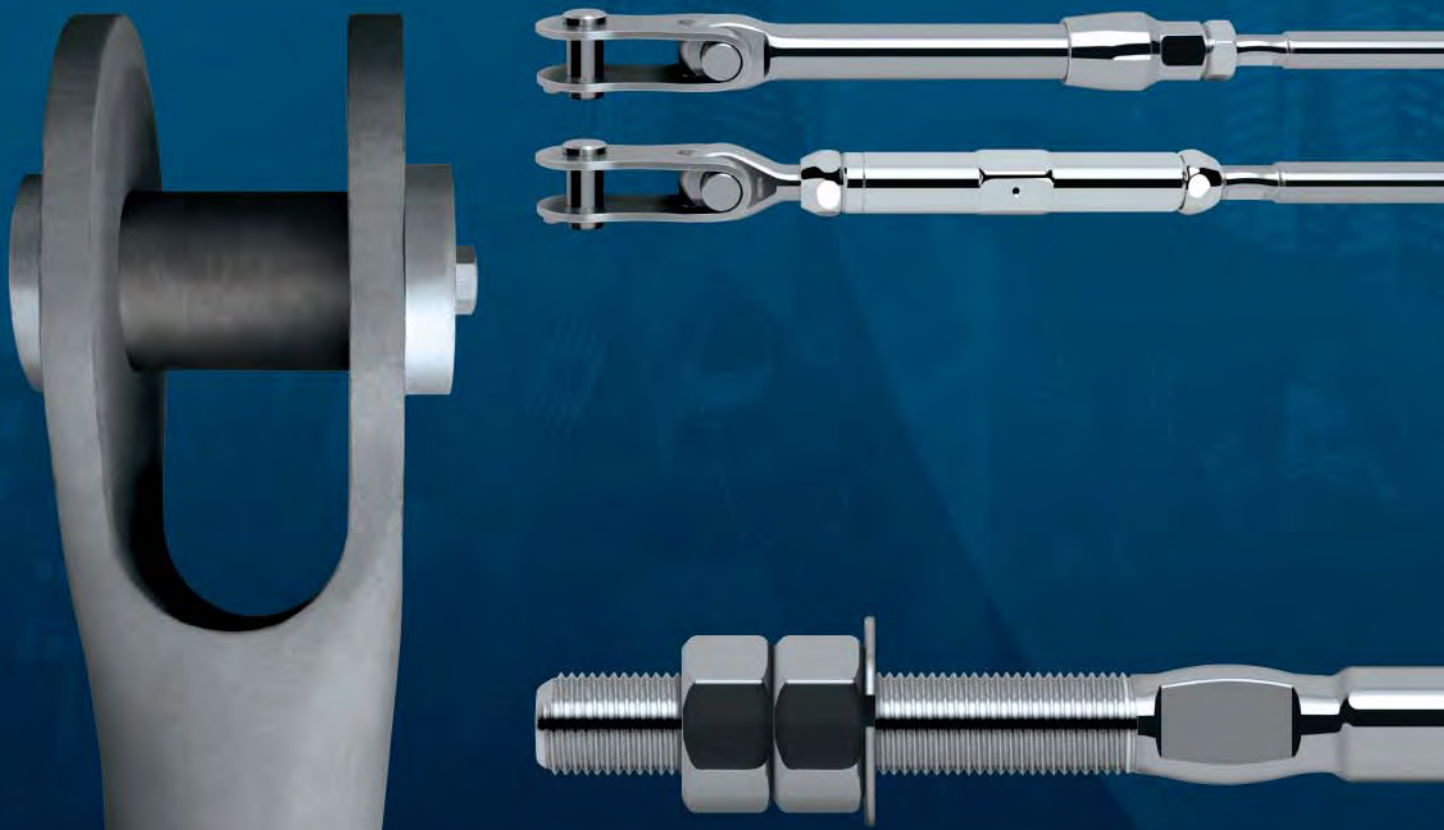
** Without molten zinc*

All dimensions without corrosion protection.

COMPONENTS

Variety and versatility to suit any application, Ronstan components show our many years of experience in dealing with diverse structural cable applications. The Ronstan name is built with these components and the knowledge of applying them to suit your needs.

Components - Quality, strength and distinction.



SS Jaw & Swage Turnbuckles - Metric Cable

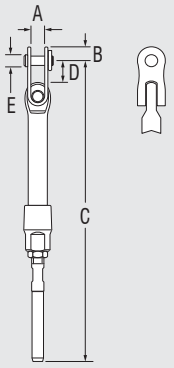
Dimensions in Metric

PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	B.L. kg	WEIGHT g
RF1579M2.503*	2.5	Type 2	3/16" UNF	4.9	6.4	135.0	188.0	11.6	4.7	890	44
RF1578M0304	3	Type 1	1/4" UNF	7.8	9.1	180.0	235.0	15.5	6.2	1630	116
RF1578M0404	4	Type 1	1/4" UNF	7.8	9.1	188.0	243.0	15.5	6.2	1630	118
RF1578M0405	4	Type 1	5/16" UNF	9.4	11.2	206.0	271.0	20.0	7.9	2250	194
RF1578M0504	5	Type 1	1/4" UNF	7.8	9.1	174.0	231.0	15.5	6.2	1630	126
RF1578M0505	5	Type 1	5/16" UNF	9.4	11.2	219.0	284.0	20.0	7.9	2250	201
RF1578M0506	5	Type 1	3/8" UNF	10.0	11.2	239.0	319.0	20.8	9.4	3350	301
RF1578M0607	6	Type 1	7/16" UNF	11.7	15.5	291.0	386.0	24.0	10.9	4130	526
RF1578M0608	6	Type 1	1/2" UNF	13.9	17.5	316.0	426.0	28.0	12.4	5430	722
RF1578M0708	7	Type 1	1/2" UNF	13.9	17.5	327.0	437.0	28.0	12.4	5430	742
RF1578M0808	8	Type 1	1/2" UNF	13.9	17.5	336.0	446.0	28.0	12.4	5430	784
RF1578M0810	8	Type 1	5/8" UNF	17.0	20.8	411.0	551.0	40.7	15.7	8700	1430
RF1578M1010	10	Type 1	5/8" UNF	17.0	20.8	431.0	571.0	40.7	15.7	8700	1525
RF1579M1212	12	Type 2	3/4" UNF	20.0	23.8	467.0	577.0	48.0	18.9	12650	2118
RF1579M1414	14	Type 2	7/8" UNF	26.6	28.5	539.0	664.0	44.2	22.0	17250	3470
RF1579M1616	16	Type 2	1" UNF	27.0	31.8	622.0	752.0	59.2	25.2	22510	5400
RF1579M1920	19	Type 2	1 1/4" UNF	36.5	42.5	762.0	882.0	74.1	31.7	36330	11180
RF1579M2220	22	Type 2	1 1/4" UNF	36.5	42.5	791.0	911.0	74.1	31.7	36330	11710
RF1579M2622*	26	Type 2	1 3/8" UNF	36.5	46.0	977.0	1267.0	58.7	34.8	43500	19110
PE985-60**	28.6	Type 3	M42	36.5	67.0	930.0	1098.0	77.0	40.0	58930	17000
PE985-75**	32.1	Type 3	M48	38.0	71.0	1051.0	1243.0	84.0	45.0	74430	23900
PE985-100**	36.6	Type 3	M56	49.0	86.0	1221.0	1445.0	102.0	55.0	96360	36700

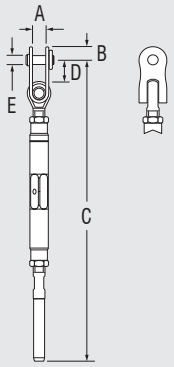
Dimensions in Imperial

	mm			in.	in.	in.	in.	in.	in.	lb	oz.
RF1579M2.503*	2.5	Type 2	3/16" UNF	0.193	0.252	5.315	7.402	0.457	0.185	1960	1.6
RF1578M0304	3	Type 1	1/4" UNF	0.307	0.358	7.087	9.252	0.610	0.244	3590	4.1
RF1578M0404	4	Type 1	1/4" UNF	0.307	0.358	7.402	9.567	0.610	0.244	3590	4.2
RF1578M0405	4	Type 1	5/16" UNF	0.370	0.441	8.110	10.669	0.787	0.311	4960	6.9
RF1578M0504	5	Type 1	1/4" UNF	0.307	0.358	6.850	9.094	0.610	0.244	3590	4.5
RF1578M0505	5	Type 1	5/16" UNF	0.370	0.441	8.622	11.181	0.787	0.311	4960	7.1
RF1578M0506	5	Type 1	3/8" UNF	0.394	0.441	9.409	12.559	0.819	0.370	7380	10.6
RF1578M0607	6	Type 1	7/16" UNF	0.461	0.610	11.457	15.197	0.945	0.429	9100	18.6
RF1578M0608	6	Type 1	1/2" UNF	0.547	0.689	12.441	16.772	1.102	0.488	11970	25.5
RF1578M0708	7	Type 1	1/2" UNF	0.547	0.689	12.874	17.205	1.102	0.488	11970	26.2
RF1578M0808	8	Type 1	1/2" UNF	0.547	0.689	13.228	17.559	1.102	0.488	11970	27.7
RF1578M0810	8	Type 1	5/8" UNF	0.669	0.819	16.181	21.693	1.602	0.618	19180	50.5
RF1578M1010	10	Type 1	5/8" UNF	0.669	0.819	16.969	22.480	1.602	0.618	19180	53.9
RF1579M1212	12	Type 2	3/4" UNF	0.787	0.937	18.386	22.717	1.890	0.744	27880	74.8
RF1579M1414	14	Type 2	7/8" UNF	1.047	1.122	21.220	26.142	1.740	0.866	38030	122.6
RF1579M1616	16	Type 2	1" UNF	1.063	1.252	24.488	29.606	2.331	0.992	49620	190.8
RF1579M1920	19	Type 2	1 1/4" UNF	1.437	1.673	30.000	34.724	2.917	1.248	80090	395.1
RF1579M2220	22	Type 2	1 1/4" UNF	1.437	1.673	31.142	35.866	2.917	1.248	80090	413.8
RF1579M2622*	26	Type 2	1 3/8" UNF	1.437	1.811	38.465	49.882	2.311	1.370	95900	675.3
PE985-60**	28.6	Type 3	M42	1.437	2.638	36.614	43.228	3.031	1.575	129910	600.7
PE985-75**	32.1	Type 3	M48	1.496	2.795	41.378	48.937	3.307	1.772	164090	844.5
PE985-100**	36.6	Type 3	M56	1.929	3.386	48.071	56.890	4.016	2.165	212430	1296.8

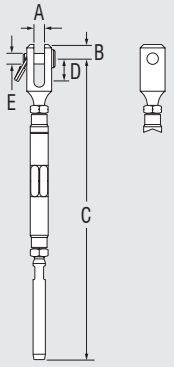
** Non-articulated (Fixed) Jaw*
*** Available as completed cable only*



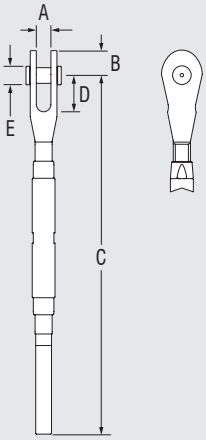
Type 1 - Articulated (Toggle) Jaw



Type 2 - Articulated (Toggle) Jaw



*Type 2 - Non-articulated (Fixed) Jaw (2.5mm cable size only)



Type 3 - Non-articulated (Fixed) Jaw

SS Jaw & Swage Turnbuckles - Imperial Cable

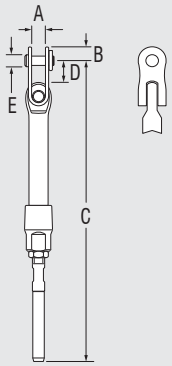
Dimensions in Metric

PRODUCT No.	CABLE Ø in.	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	B.L. kg	WEIGHT g
RF1576-0404	1/8	Type 1	1/4" UNF	7.8	9.1	180.0	235.0	15.5	6.2	1630	116
RF1576-0504	5/32	Type 1	1/4" UNF	7.8	9.1	188.0	243.0	15.5	6.2	1630	120
RF1576-0505	5/32	Type 1	5/16" UNF	9.4	11.4	206.0	271.0	20.0	7.9	2250	196
RF1576-0604	3/16	Type 1	1/4" UNF	8.1	9.1	174.0	231.0	15.5	6.2	1630	126
RF1576-0605	3/16	Type 1	5/16" UNF	9.4	11.4	219.0	284.0	20.0	7.9	2250	202
RF1576-0606	3/16	Type 1	3/8" UNF	10.0	11.4	239.0	319.0	20.8	9.4	3350	304
RF1576-0706	7/32	Type 1	3/8" UNF	10.0	14.4	245.0	325.0	20.8	9.4	3350	321
RF1576-0808	1/4	Type 1	1/2" UNF	13.9	17.5	316.0	426.0	28.0	12.4	5430	718
RF1576-0908	9/32	Type 1	1/2" UNF	13.9	17.5	327.0	437.0	28.0	12.4	5430	742
RF1576-1008	5/16	Type 1	1/2" UNF	13.9	17.5	336.0	446.0	28.0	12.4	5430	780
RF1576-1010	5/16	Type 1	5/8" UNF	17.0	20.8	411.0	551.0	40.7	15.7	8700	1420
RF1576-1210	3/8	Type 1	5/8" UNF	17.0	20.8	430.0	570.0	40.7	15.7	8700	1470
RF1577-1412	7/16	Type 2	3/4" UNF	20.0	23.8	460.0	570.0	48.0	18.9	12650	2026
RF1577-1614	1/2	Type 2	7/8" UNF	26.6	28.5	530.0	655.0	44.2	22.0	17250	3280
RF1577-1814	9/16	Type 2	7/8" UNF	26.6	28.5	539.0	664.0	44.2	22.0	17250	5240
RF1577-2016	5/8	Type 2	1" UNF	29.3	31.8	622.0	752.0	59.2	25.2	22510	5410
RF1577-2420	3/4	Type 2	1 1/4" UNF	36.0	42.5	762.0	882.0	74.1	31.7	36330	11230
RF1577-2820	7/8	Type 2	1 1/4" UNF	36.0	42.5	791.0	911.0	74.1	31.7	36330	11830
RF1577-3222*	1	Type 2	1 3/8" UNF	33.0	46.0	977.0	1267.0	58.7	34.8	43500	19200

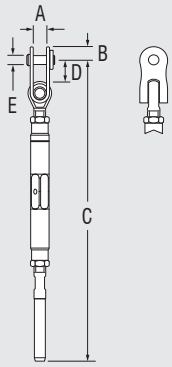
Dimensions in Imperial

	in.			in.	in.	in.	in.	in.	in.	lb	oz
RF1576-0404	1/8	Type 1	1/4" UNF	0.307	0.358	7.087	9.252	0.610	0.244	3594	4.1
RF1576-0504	5/32	Type 1	1/4" UNF	0.307	0.358	7.402	9.567	0.610	0.244	3594	4.2
RF1576-0505	5/32	Type 1	5/16" UNF	0.370	0.449	8.110	10.669	0.787	0.311	4961	6.9
RF1576-0604	3/16	Type 1	1/4" UNF	0.319	0.358	6.850	9.094	0.610	0.244	3594	4.5
RF1576-0605	3/16	Type 1	5/16" UNF	0.370	0.449	8.622	11.181	0.787	0.311	4961	7.1
RF1576-0606	3/16	Type 1	3/8" UNF	0.394	0.449	9.409	12.559	0.819	0.370	7387	10.7
RF1576-0706	7/32	Type 1	3/8" UNF	0.394	0.567	9.646	12.795	0.819	0.370	7387	11.3
RF1576-0808	1/4	Type 1	1/2" UNF	0.547	0.689	12.441	16.772	1.102	0.488	11973	25.4
RF1576-0908	9/32	Type 1	1/2" UNF	0.547	0.689	12.874	17.205	1.102	0.488	11973	26.2
RF1576-1008	5/16	Type 1	1/2" UNF	0.547	0.689	13.228	17.559	1.102	0.488	11973	27.6
RF1576-1010	5/16	Type 1	5/8" UNF	0.669	0.819	16.181	21.693	1.602	0.618	19184	50.2
RF1576-1210	3/8	Type 1	5/8" UNF	0.669	0.819	16.929	22.441	1.602	0.618	19184	51.9
RF1577-1412	7/16	Type 2	3/4" UNF	0.787	0.937	18.110	22.441	1.890	0.744	27893	71.6
RF1577-1614	1/2	Type 2	7/8" UNF	1.047	1.122	20.866	25.787	1.740	0.866	38036	115.9
RF1577-1814	9/16	Type 2	7/8" UNF	1.047	1.122	21.220	26.142	1.740	0.866	38036	185.2
RF1577-2016	5/8	Type 2	1" UNF	1.154	1.252	24.488	29.606	2.331	0.992	49635	191.2
RF1577-2420	3/4	Type 2	1 1/4" UNF	1.417	1.673	30.000	34.724	2.917	1.248	80108	396.8
RF1577-2820	7/8	Type 2	1 1/4" UNF	1.417	1.673	31.142	35.866	2.917	1.248	80108	418.0
RF1577-3222*	1	Type 2	1 3/8" UNF	1.299	1.811	38.465	49.882	2.311	1.370	95918	678.4

** Non-articulated (Fixed) Jaw*



Type 1 - Articulated (Toggle) Jaw



Type 2 - Articulated (Toggle) Jaw

GS Jaw & Swage Turnbuckles - Metric Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	B.L. kg	WEIGHT g
PG984-5	8.1	Type 3	M14	12.5	20	278	334	24	12	6010	600
PG984-10	10.1	Type 3	M16	14.5	25	334	398	29	15	9480	1100
PG984-15	12.2	Type 3	M20	17.5	30	414	494	35	19	13660	2100
PG984-20	14.1	Type 3	M24	20.5	35	489	585	41	22	18450	3400
PG984-25	17.0	Type 3	M27	22.5	41	565	673	48	25	26510	5100
PG984-40	20.1	Type 3	M30	28	49	664	784	58	30	37420	8000
PG984-55	24.4	Type 3	M36	28	60	802	946	66	33	54750	15000
PG984-75	28.3	Type 3	M42	33	69	932	1100	76	40	73620	23200
PG984-90	31.3	Type 3	M48	38	74	1036	1228	84	45	90140	31000
PG984-125	36.3	Type 3	M56	49	89	1200	1424	101	55	121240	47200

Dimensions in Imperial

	mm			in.	in.	in.	in.	in.	in.	lb	oz
PG984-5	8.1	Type 3	M14	0.492	0.787	10.945	13.150	0.945	0.472	13240	21.2
PG984-10	10.1	Type 3	M16	0.571	0.984	13.150	15.669	1.142	0.591	20390	38.8
PG984-15	12.2	Type 3	M20	0.689	1.181	16.299	19.449	1.378	0.748	30110	74.1
PG984-20	14.1	Type 3	M24	0.807	1.378	19.252	23.031	1.614	0.866	40670	119.9
PG984-25	17.0	Type 3	M27	0.886	1.614	22.244	26.496	1.890	0.984	58440	179.9
PG984-40	20.1	Type 3	M30	1.102	1.929	26.142	30.866	2.283	1.181	82490	282.2
PG984-55	24.4	Type 3	M36	1.102	2.362	31.575	37.244	2.598	1.299	120700	529.1
PG984-75	28.3	Type 3	M42	1.299	2.717	36.693	43.307	2.992	1.575	162300	818.3
PG984-90	31.3	Type 3	M48	1.496	2.913	40.787	48.346	3.307	1.772	198720	1093.5
PG984-125	36.3	Type 3	M56	1.929	3.504	47.244	56.063	3.976	2.165	267280	1664.9

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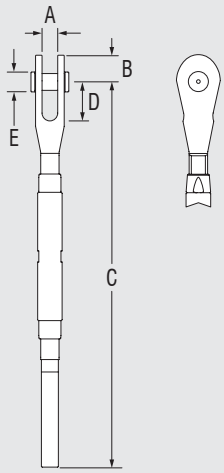


Type 3 - Non-articulated (Fixed) Jaw

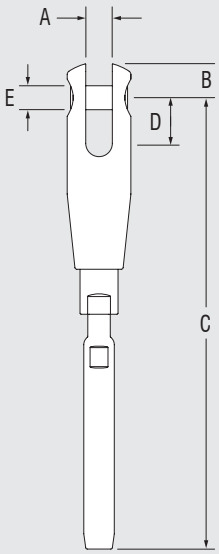
SS Compact Adjusters - Metric Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	B.L. kg	WEIGHT g
RF1629-M4	4	1/4" UNF	7.0	9.0	117	147	11.0	6.2	1280	79
RF1629-M5	5	5/16" UNF	8.5	11.0	140	175	13.0	7.8	2000	145
RF1629-M6	6	3/8" UNF	10.0	13.2	157	197	18.0	9.4	2870	267
RF1629-M8	8	1/2" UNF	14.0	17.7	213	258	24.0	12.6	4640	630
RF1629-M10	10	5/8" UNF	18.0	22.2	258	308	30.0	15.7	7250	1117
RF1629-M12	12	3/4" UNF	22.0	26.5	318	373	38.0	18.9	10400	1936
RF1629-M14	14	7/8" UNF	24.0	31.3	359	419	45.0	22.1	14170	2814
RF1629-M16	16	1" UNF	27.0	35.2	406	471	53.0	25.3	18550	4126
RF1629-M19	19	1 1/4" UNF	32.0	44.7	481	551	66.0	31.6	21610	7419
RF1629-M22	22	1 1/4" UNF	32.0	44.7	522	592	66.0	31.6	29060	8176

Dimensions in Imperial

	mm		in.	in.	in.	in.	in.	in.	lb	oz
RF1629-M4	4	1/4" UNF	0.276	0.354	4.606	5.787	0.433	0.244	2830	2.8
RF1629-M5	5	5/16" UNF	0.335	0.433	5.512	6.890	0.512	0.307	4410	5.1
RF1629-M6	6	3/8" UNF	0.394	0.520	6.181	7.756	0.709	0.307	6340	9.4
RF1629-M8	8	1/2" UNF	0.551	0.697	8.386	10.157	0.945	0.496	10220	22.2
RF1629-M10	10	5/8" UNF	0.709	0.874	10.157	12.126	1.181	0.618	15980	39.4
RF1629-M12	12	3/4" UNF	0.866	1.043	12.520	14.685	1.496	0.744	22930	68.3
RF1629-M14	14	7/8" UNF	0.945	1.232	14.134	16.457	1.772	0.870	31240	99.3
RF1629-M16	16	1" UNF	1.063	1.386	15.984	18.543	2.087	0.996	40910	145.6
RF1629-M19	19	1 1/4" UNF	1.260	1.760	18.937	21.693	2.598	1.244	47660	261.9
RF1629-M22	22	1 1/4" UNF	1.260	1.760	20.551	23.307	2.598	1.244	64070	288.6



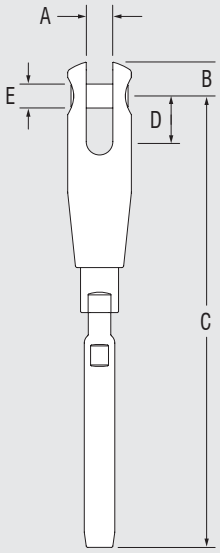
SS Compact Adjusters - Imperial Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	B.L. kg	WEIGHT g
RF1629-05	5/32	1/4" UNF	7.0	9.0	117	147	11.0	6.2	1280	79
RF1629-06	3/16	5/16" UNF	8.5	11.0	140	175	13.2	7.8	1930	145
RF1629-08	1/4	1/2" UNF	14.0	17.7	190	235	24.0	12.6	3440	560
RF1629-10	5/16	1/2" UNF	14.0	17.7	213	258	24.0	12.6	4640	630
RF1629-12	3/8	5/8" UNF	18.0	22.2	258	308	30.0	15.7	6540	1117
RF1629-16	1/2	7/8" UNF	24.0	31.3	335	395	45.0	22.1	12100	2621
RF1629-20	5/8	1" UNF	27.0	35.2	406	471	53.0	25.3	18550	4126
RF1629-24	3/4	1 1/4" UNF	32.0	44.7	480	551	66.0	31.6	21610	7419
RF1629-28	7/8	1 1/4" UNF	32.0	44.7	522	592	66.0	31.6	29060	8176

Dimensions in Imperial

	in.		in.	in.	in.	in.	in.	in.	lb	oz
RF1629-05	5/32	1/4" UNF	0.276	0.354	4.606	5.787	0.433	0.244	2830	2.8
RF1629-06	3/16	5/16" UNF	0.335	0.433	5.512	6.890	0.520	0.307	4250	5.1
RF1629-08	1/4	1/2" UNF	0.551	0.697	7.480	9.252	0.945	0.496	7584	19.8
RF1629-10	5/16	1/2" UNF	0.551	0.697	8.386	10.157	0.945	0.496	10220	22.2
RF1629-12	3/8	5/8" UNF	0.709	0.874	10.157	12.126	1.181	0.618	14430	39.4
RF1629-16	1/2	7/8" UNF	0.945	1.232	13.189	15.551	1.772	0.870	26670	92.5
RF1629-20	5/8	1" UNF	1.063	1.386	15.984	18.543	2.087	0.996	40910	145.6
RF1629-24	3/4	1 1/4" UNF	1.260	1.760	18.937	21.693	2.598	1.244	47660	261.9
RF1629-28	7/8	1 1/4" UNF	1.260	1.760	20.551	23.307	2.598	1.244	64070	288.6



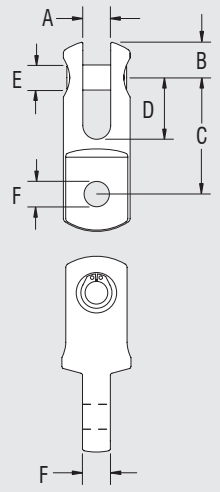
SS Toggles

Dimensions in Metric

PRODUCT No.	SUITS RF1629 SUFFIX	A mm	B mm	C mm	D mm	E mm	F mm	WEIGHT g
RF1624-04	M4, -05	7.0	9.0	29.4	11.0	6.2	6.4	37.6
RF1624-05	M5, -06	8.5	11.1	36.6	13.2	7.8	8.0	69.8
RF1624-06	M6	10	13.2	46.1	18.0	9.4	9.6	126.5
RF1624-08	M8, -08, -10	14	17.7	59.5	24.0	12.6	12.8	322.9
RF1624-10	M10, -12	18	22.3	75.3	30.0	15.7	16.0	647.1
RF1624-12	M12,	22	26.5	94.3	38.0	18.9	19.1	1192.3
RF1624-14	M14, -16,	24	31.3	107.6	45.0	22.1	22.3	1731.1
RF1624-16	M16, -20	27	35.1	124.5	53.0	25.3	25.5	2553.0
RF1624-20	M19, M22, -24, -28	32	44.7	154.9	66.0	31.6	31.9	4776.4

Dimensions in Imperial

		in.	in.	in.	in.	in.	in.	oz
RF1624-04	M4, -05	0.276	0.354	1.157	0.433	0.244	0.248	1.3
RF1624-05	M5, -06	0.335	0.437	1.441	0.520	0.307	0.311	2.5
RF1624-06	M6	0.394	0.520	1.815	0.709	0.370	0.374	4.5
RF1624-08	M8, -08, -10	0.551	0.697	2.343	0.945	0.496	0.500	11.4
RF1624-10	M10, -12	0.709	0.878	2.965	1.181	0.618	0.622	22.8
RF1624-12	M12,	0.866	1.043	3.713	1.496	0.744	0.748	42.1
RF1624-14	M14, -16,	0.945	1.232	4.236	1.772	0.870	0.874	61.1
RF1624-16	M16, -20	1.063	1.382	4.902	2.087	0.996	1.000	90.1
RF1624-20	M19, M22, -24, -28	1.260	1.760	6.089	2.598	1.244	1.248	168.6



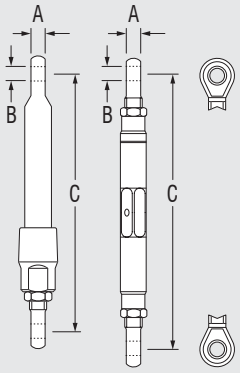
SS Eye & Eye Turnbuckles

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	B.L. kg	WEIGHT g
RF217	2.5	Type 2	3/16" UNF	4.0	5.1	89.0	127.0	890	40
RF1539	3-4	Type 1	1/4" UNF	4.6	6.5	110.0	165.0	1630	80
RF1540	4-5	Type 1	5/16" UNF	6.1	8.1	125.0	190.0	2250	138
RF1541	5	Type 1	3/8" UNF	7.7	9.7	150.0	230.0	3350	200

Dimensions in Imperial

	in.			in.	in.	in.	in.	lb	oz
RF217	3/32	Type 2	3/16" UNF	0.157	0.201	3.504	5.000	1962	1.4
RF1539	1/8	Type 1	1/4" UNF	0.181	0.256	4.331	6.496	3594	2.8
RF1540	5/32-3/16	Type 1	5/16" UNF	0.240	0.319	4.921	7.480	4961	4.9
RF1541	3/16-7/32	Type 1	3/8" UNF	0.303	0.382	5.906	9.055	7387	7.1



Type 1 Type 2

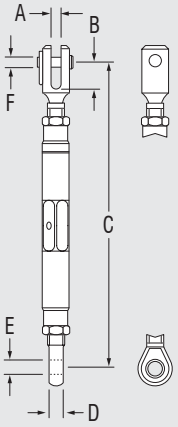
SS Jaw & Eye Turnbuckles

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	F mm	B.L. kg	WEIGHT g
RF218	2.5	Type 2	3/16" UNF	5.0	11.6	99.0	137.0	4.0	5.1	4.7	890	50

Dimensions in Imperial

	in.			in.	in.	in.	in.	in.	in.	in.	lb	oz
RF218	3/32	Type 2	3/16" UNF	0.197	0.457	3.898	5.394	0.157	0.201	0.185	1962	1.8



Type 2 - Non-articulating (Fixed) Jaw

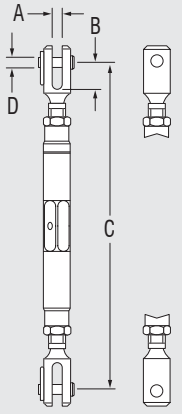
SS Jaw & Jaw Turnbuckles

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	B.L. kg	WEIGHT g
RF219	2.5	Type 2	3/16" UNF	5.0	11.6	109.0	147.0	890	60

Dimensions in Imperial

	in.			in.	in.	in.	in.	lb	oz
RF219	3/32	Type 2	3/16" UNF	0.197	0.457	4.291	5.787	1962	2.1



Type 2 - Non-articulating (Fixed) Jaw

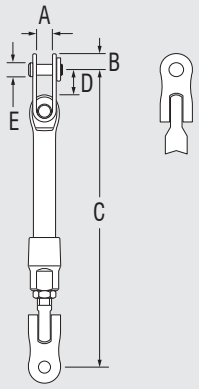
SS Toggle Jaw & Toggle Jaw Turnbuckles

Dimensions in Metric

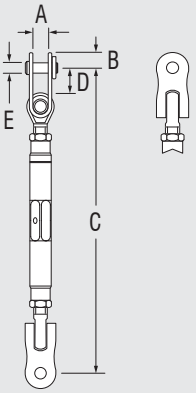
PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	B.L. kg	WEIGHT g
RF1582	3-4	Type 1	1/4" UNF	7.8	9.1	155.0	210.0	16.8	6.2	1630	136
RF1583	4-5	Type 1	5/16" UNF	9.4	11.2	185.0	250.0	20.7	7.9	2250	240
RF1584	5	Type 1	3/8" UNF	10.0	14.4	220.0	300.0	23.0	9.4	3350	378
RF1586	6-8	Type 1	1/2" UNF	13.9	17.5	285.0	395.0	29.4	12.4	5430	886
RF1588	8-10	Type 1	5/8" UNF	17.0	20.8	378.0	508.0	42.2	15.7	8700	1640
RF1593	10-12	Type 2	3/4" UNF	20.0	23.8	470.0	590.0	48.9	18.9	12650	2394
RF1594	13-14	Type 2	7/8" UNF	26.6	28.5	470.0	590.0	44.4	22.0	17250	4032
RF1595	16-18	Type 2	1" UNF	31.8	31.8	552.0	672.0	60.3	25.2	22510	6610
RF1596	20-22	Type 2	1 1/4" UNF	42.5	42.5	680.0	800.0	74.1	31.9	36330	13510
RF1597	24-26	Type 2	1 3/8" UNF	46.0	46.0	818.0	1175.0	76.0	34.8	43500	22040

Dimensions in Imperial

	in.			in.	in.	in.	in.	in.	in.	lb	oz
RF1582	1/8	Type 1	1/4" UNF	0.307	0.358	6.102	8.268	0.661	0.244	3594	4.8
RF1583	5/32-3/16	Type 1	5/16" UNF	0.370	0.441	7.283	9.843	0.815	0.311	4961	8.5
RF1584	3/16-7/32	Type 1	3/8" UNF	0.394	0.567	8.661	11.811	0.906	0.370	7387	13.4
RF1586	1/4-5/16	Type 1	1/2" UNF	0.547	0.689	11.220	15.551	1.157	0.488	11973	31.3
RF1588	3/8	Type 1	5/8" UNF	0.669	0.819	14.882	20.000	1.661	0.618	19184	58.0
RF1593	3/8-7/16	Type 2	3/4" UNF	0.787	0.937	18.504	23.228	1.925	0.744	27893	84.6
RF1594	1/2-9/16	Type 2	7/8" UNF	1.047	1.122	18.504	23.228	1.748	0.866	38036	142.5
RF1595	5/8-3/4	Type 2	1" UNF	1.252	1.252	21.732	26.457	2.374	0.992	49635	233.6
RF1596	3/4-7/8	Type 2	1 1/4" UNF	1.673	1.673	26.772	31.496	2.917	1.256	80108	477.4
RF1597	1	Type 2	1 3/8" UNF	1.811	1.811	32.205	46.260	2.992	1.370	95918	778.8



Type 1 - Articulating (Toggle) Jaw



Type 2 - Articulating (Toggle) Jaw

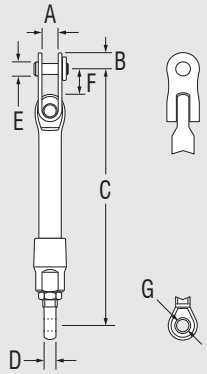
SS Toggle Jaw & Eye Turnbuckles

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	TYPE	THREAD TYPE	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	F mm	G mm	B.L. kg	WEIGHT g
RF1559	3-4	Type 1	1/4" UNF	7.8	9.1	130.0	185.0	4.6	6.2	16.8	6.5	1630	110
RF1560	4-5	Type 1	5/16" UNF	9.4	11.2	155.0	220.0	6.1	7.9	20.7	8.1	2250	190
RF1561	5	Type 1	3/8" UNF	10.0	14.4	185.0	265.0	7.7	9.4	23.0	9.7	3350	310

Dimensions in Imperial

	in.			in.	in.	in.	in.	in.	in.	in.	in.	lb	oz
RF1559	1/8	Type 1	1/4" UNF	0.307	0.358	5.118	7.283	0.181	0.244	0.661	0.256	3594	4.3
RF1560	5/32-3/16	Type 1	5/16" UNF	0.370	0.441	6.102	8.661	0.240	0.311	0.815	0.319	4961	7.5
RF1561	3/16-7/32	Type 1	3/8" UNF	0.394	0.567	7.283	10.433	0.303	0.370	0.906	0.382	7387	12.2

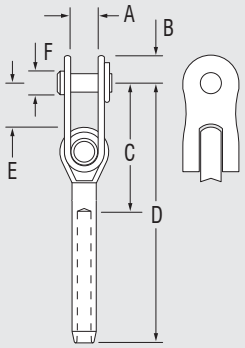


Type 1 - Articulating (Toggle) Jaw

SS Toggle Jaw Swage Terminals (Swage Toggles) - Metric Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	WEIGHT g
RF1507M0304	3	7.8	9.1	37.9	77.0	16.8	6.2	44
RF1507M0404	4	7.8	9.1	43.2	87.1	16.8	6.2	44
RF1507M0405	4	9.4	11.2	48.1	93.6	20.7	7.9	74
RF1507M0504	5	7.8	9.1	38.4	94.8	16.8	6.2	72
RF1507M0505	5	9.4	11.2	48.2	103.7	20.7	7.9	56
RF1507M0506	5	10.0	14.4	49.4	104.9	23.0	9.4	130
RF1507M0608	6	13.9	17.5	70.9	141.3	29.4	12.4	285
RF1507M0708	7	13.9	17.5	73.2	151.9	29.4	12.4	332
RF1507M0808	8	13.9	17.5	72.1	160.6	29.4	12.4	365
RF1507M0810	8	17.0	20.8	87.5	176.0	42.2	15.7	492
RF1507M1010	10	17.0	20.8	87.7	198.2	42.2	15.7	540
RF1507M1212	12	20.0	23.8	108.2	249.0	48.9	18.9	930
RF1507M1414	14	26.5	28.5	120.4	278.3	44.4	22.0	1125
RF1507M1616	16	29.3	31.8	147.8	324.5	60.3	25.2	2350
RF1507M1920	19	36.5	42.5	178.1	387.8	74.1	31.7	4674
RF1507M2220	22	36.5	42.5	179.6	425.0	74.1	31.7	5530
RF1507M2622*	26	36.5	46.0	192.6	480.0	76.0	34.8	8378



Articulating (Toggle) Jaw

Dimensions in Imperial

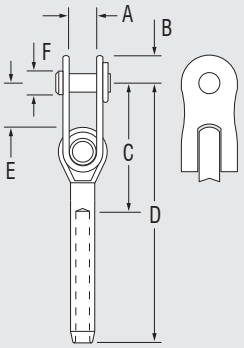
	mm	in.	in.	in.	in.	in.	in.	oz
RF1507M0304	3	0.307	0.358	1.492	3.031	0.661	0.244	1.6
RF1507M0404	4	0.307	0.358	1.701	3.429	0.661	0.244	1.6
RF1507M0405	4	0.370	0.441	1.894	3.685	0.815	0.311	2.6
RF1507M0504	5	0.307	0.358	1.512	3.732	0.661	0.244	2.5
RF1507M0505	5	0.370	0.441	1.898	4.083	0.815	0.311	2.0
RF1507M0506	5	0.394	0.567	1.945	4.130	0.906	0.370	4.6
RF1507M0608	6	0.547	0.689	2.791	5.563	1.157	0.488	10.1
RF1507M0708	7	0.547	0.689	2.882	5.980	1.157	0.488	11.7
RF1507M0808	8	0.547	0.689	2.839	6.323	1.157	0.488	12.9
RF1507M0810	8	0.669	0.819	3.445	6.929	1.661	0.618	17.4
RF1507M1010	10	0.669	0.819	3.453	7.803	1.661	0.618	19.1
RF1507M1212	12	0.787	0.937	4.260	9.803	1.925	0.744	32.9
RF1507M1414	14	1.043	1.122	4.740	10.957	1.748	0.866	39.8
RF1507M1616	16	1.154	1.252	5.819	12.776	2.374	0.992	83.0
RF1507M1920	19	1.437	1.673	7.012	15.268	2.917	1.248	165.2
RF1507M2220	22	1.437	1.673	7.071	16.732	2.917	1.248	195.4
RF1507M2622*	26	1.437	1.811	7.583	18.898	2.992	1.370	296.0

** Non-articulating (Fixed) Jaw*

SS Toggle Jaw Swage Terminals (Swage Toggles) - Imperial Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø in.	A mm	B mm	C mm	D mm	E mm	F mm	WEIGHT g
RF1506-0404	1/8	7.8	9.1	37.9	77.0	16.8	6.2	44
RF1506-0504	5/32	7.8	9.1	42.2	87.1	16.8	6.2	44
RF1506-0505	5/32	9.4	11.2	48.1	93.6	20.7	7.9	70
RF1506-0604	3/16	7.8	9.1	38.7	94.8	16.8	6.2	56
RF1506-0605	3/16	9.4	11.2	42.5	98.0	20.7	7.9	78
RF1506-0606	3/16	10.0	14.4	49.4	104.9	23.0	9.4	130
RF1506-0706	7/32	10.0	14.4	49.9	110.9	23.0	9.4	142
RF1506-0808	1/4	13.9	17.5	70.9	141.3	29.4	12.4	276
RF1506-0908	9/32	13.9	17.5	73.2	151.9	29.4	12.4	322
RF1506-1008	5/16	13.9	17.5	72.1	160.9	29.4	12.4	356
RF1506-1010	5/16	17.0	20.8	87.5	176.0	42.2	15.7	494
RF1506-1210	3/8	17.0	20.8	87.7	198.2	42.2	15.7	554
RF1506-1412	7/16	20.0	23.5	101.9	224.4	48.9	18.9	838
RF1506-1614	1/2	26.6	28.5	116.5	257.0	44.4	22.0	1368
RF1506-1814	9/16	26.5	28.5	120.4	278.3	44.4	22.0	1536
RF1506-2016	5/8	29.3	31.8	147.8	324.5	60.3	25.2	2632
RF1506-2420	3/4	36.5	42.5	178.1	387.8	74.1	31.7	4736
RF1506-2820	7/8	36.5	42.5	179.6	425.0	74.1	31.7	5374
RF1506-3222*	1	36.5	46.0	192.6	480.0	76.0	34.8	8332



Articulating (Toggle) Jaw

Dimensions in Imperial

	in.	in.	in.	in.	in.	in.	in.	oz
RF1506-0404	1/8	0.307	0.358	1.492	3.031	0.661	0.244	1.6
RF1506-0504	5/32	0.307	0.358	1.661	3.429	0.661	0.244	1.6
RF1506-0505	5/32	0.370	0.441	1.894	3.685	0.815	0.311	2.5
RF1506-0604	3/16	0.307	0.358	1.524	3.732	0.661	0.244	2.0
RF1506-0605	3/16	0.370	0.441	1.673	3.858	0.815	0.311	2.8
RF1506-0606	3/16	0.394	0.567	1.945	4.130	0.906	0.370	4.6
RF1506-0706	7/32	0.394	0.567	1.965	4.366	0.906	0.370	5.0
RF1506-0808	1/4	0.547	0.689	2.791	5.563	1.157	0.488	9.8
RF1506-0908	9/32	0.547	0.689	2.882	5.980	1.157	0.488	11.4
RF1506-1008	5/16	0.547	0.689	2.839	6.335	1.157	0.488	12.6
RF1506-1010	5/16	0.669	0.819	3.445	6.929	1.661	0.618	17.5
RF1506-1210	3/8	0.669	0.819	3.453	7.803	1.661	0.618	19.6
RF1506-1412	7/16	0.787	0.925	4.012	8.835	1.925	0.744	29.6
RF1506-1614	1/2	1.047	1.122	4.587	10.118	1.748	0.866	48.3
RF1506-1814	9/16	1.043	1.122	4.740	10.957	1.748	0.866	54.3
RF1506-2016	5/8	1.154	1.252	5.819	12.776	2.374	0.992	93.0
RF1506-2420	3/4	1.437	1.673	7.012	15.268	2.917	1.248	167.3
RF1506-2820	7/8	1.437	1.673	7.071	16.732	2.917	1.248	189.9
RF1506-3222*	1	1.437	1.811	7.583	18.898	2.992	1.370	294.4

** Non-articulating (Fixed) Jaw*

SS Jaw Swage Terminals (Swage Forks) - Metric Cable

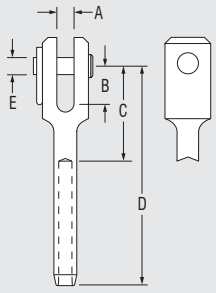
Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	C mm	D mm	E mm	WEIGHT g
RF1509M2.503	2.5	4.8	9.3	24.5	57.3	4.7	16
RF1509M0304	3	4.8	13.0	21.8	61.0	6.2	20
RF1509M0405	4	4.7	14.0	22.5	68.0	7.8	30
RF1509M0506	5	6.3	15.1	29.7	85.2	9.4	62
RF1509M0608	6	7.9	22.3	39.9	110.3	12.4	142
RF1509M0708	7	7.9	24.6	46.8	125.8	12.4	206
RF1509M0808	8	7.9	24.5	45.2	133.7	12.4	235
PE981-60*	28.6	33.0	77.0	-	424.0	40.0	820
PE981-75*	32.1	38.0	84.0	-	466.0	45.0	1120
PE981-100*	36.6	49.0	102.0	-	547.0	55.0	1750

Dimensions in Imperial

	mm	in.	in.	in.	in.	in.	oz
RF1509M2.503	2.5	0.189	0.366	0.965	2.256	0.185	0.6
RF1509M0304	3	0.189	0.512	0.858	2.402	0.244	0.7
RF1509M0405	4	0.185	0.551	0.886	2.677	0.307	1.1
RF1509M0506	5	0.248	0.594	1.169	3.354	0.370	2.2
RF1509M0608	6	0.311	0.878	1.571	4.343	0.488	5.0
RF1509M0708	7	0.311	0.969	1.843	4.953	0.488	7.3
RF1509M0808	8	0.311	0.965	1.780	5.264	0.488	8.3
PE981-60*	28.6	1.299	3.031	-	16.693	1.575	29.0
PE981-75*	32.1	1.496	3.307	-	18.346	1.772	39.6
PE981-100*	36.6	1.929	4.016	-	21.535	2.165	61.8

**Available as completed cable only*



Non-articulating (Fixed) Jaw

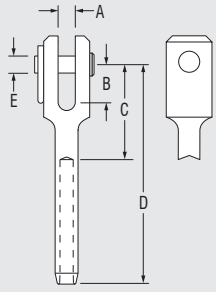
SS Jaw Swage Terminals (Swage Forks) - Imperial Cable

Dimensions in Metric

Product No.	CABLE Ø in.	A mm	B mm	C mm	D mm	E mm	WEIGHT g
RF1508-0404	1/8	4.8	13.0	21.8	61.0	6.2	20
RF1508-0505	5/32	4.7	14.0	22.5	68.0	7.8	30
RF1508-0606	3/16	6.3	15.0	29.7	85.2	9.4	62
RF1508-0706	7/32	6.4	19.9	36.9	97.9	9.4	96
RF1508-0808	1/4	7.9	22.3	39.9	110.3	12.4	140
RF1508-0908	9/32	7.9	25.6	46.8	125.8	12.4	215
RF1508-1008	5/16	7.9	24.5	45.2	133.7	12.4	244

Dimensions in Imperial

	in.	in.	in.	in.	in.	in.	oz
RF1508-0404	1/8	0.189	0.512	0.858	2.402	0.244	0.7
RF1508-0505	5/32	0.185	0.551	0.886	2.677	0.307	1.1
RF1508-0606	3/16	0.248	0.591	1.169	3.354	0.370	2.2
RF1508-0706	7/32	0.252	0.783	1.453	3.854	0.370	3.4
RF1508-0808	1/4	0.311	0.878	1.571	4.343	0.488	4.9
RF1508-0908	9/32	0.311	1.008	1.843	4.953	0.488	7.6
RF1508-1008	5/16	0.311	0.965	1.780	5.264	0.488	8.6



Non-articulating (Fixed) Jaw

GS Jaw Swage Terminals (Swage Forks) - Type 980*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	WEIGHT g
PG980-5	8.1	12.5	20.0	137.0	24.0	12.0	33.0	600
PG980-10	10.1	14.5	25.0	170.0	29.0	15.0	43.0	1100
PG980-15	12.2	17.5	30.0	205.0	35.0	19.0	51.0	2100
PG980-20	14.1	20.5	35.0	240.0	41.0	22.0	61.0	3400
PG980-25	17.0	22.5	41.0	283.0	48.0	25.0	69.0	5100
PG980-40	20.1	28.0	49.0	343.0	58.0	30.0	84.0	8000
PG980-55	24.4	28.0	60.0	411.0	66.0	33.0	103.0	15000
PG980-75	28.3	33.0	69.0	480.0	76.0	40.0	119.0	12500
PG980-90	31.3	38.0	74.0	521.0	84.0	45.0	128.0	18000
PG980-125	36.3	49.0	89.0	616.0	101.0	55.0	152.0	25500

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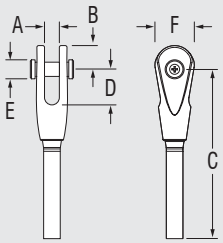


Non-articulating (Fixed) Jaw

Dimensions in Imperial

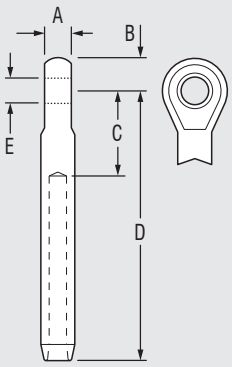
	mm	in.	in.	in.	in.	in.	in.	oz
PG980-5	8.1	0.492	0.787	5.394	0.945	0.472	1.299	21.2
PG980-10	10.1	0.571	0.984	6.693	1.142	0.591	1.693	38.8
PG980-15	12.2	0.689	1.181	8.071	1.378	0.748	2.008	74.1
PG980-20	14.1	0.807	1.378	9.449	1.614	0.866	2.402	119.9
PG980-25	17.0	0.886	1.614	11.142	1.890	0.984	2.717	179.9
PG980-40	20.1	1.102	1.929	13.504	2.283	1.181	3.307	282.2
PG980-55	24.4	1.102	2.362	16.181	2.598	1.299	4.055	529.1
PG980-75	28.3	1.299	2.717	18.898	2.992	1.575	4.685	440.9
PG980-90	31.3	1.496	2.913	20.512	3.307	1.772	5.039	634.9
PG980-125	36.3	1.929	3.504	24.252	3.976	2.165	5.984	899.5

**Available as completed cable only*

SS Eye Swage Terminals (Swage Eyes) - Metric Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	C mm	D mm	E mm	WEIGHT g
RF1501M2.503	2.5	3.1	6.3	15.2	48.0	5.1	8
RF1501M0304	3	4.6	6.2	16.1	55.3	6.5	14
RF1501M0405	4	6.1	8.5	18.5	64.0	8.1	22
RF1501M0505	5	6.1	8.5	19.1	74.6	8.1	30
RF1501M0506	5	7.7	10.0	21.1	76.6	9.7	38
RF1501M0608	6	9.5	12.5	27.1	97.5	13.0	95
RF1501M0708	7	12.5	13.5	30.9	109.9	13.0	138
RF1501M0808	8	12.5	13.5	29.5	118.0	13.0	174
RF1501M0810	8	14.0	15.5	28.0	116.5	16.3	182
RF1501M1010	10	14.0	15.5	29.0	139.5	16.3	228
RF1501M1212	12	15.5	19.5	42.4	182.8	19.5	420
RF1501M1414	14	20.0	23.2	54.2	212.1	22.5	746
RF1501M1616	16	25.0	27.2	58.1	234.8	25.8	1074
RF1501M1920	19	29.5	33.4	70.6	281.2	32.0	1880
RF1501M2220	22	29.5	33.4	72.1	317.5	32.0	2550
RF1501M2622	26	33.0	34.0	82.6	369.6	35.3	3520
PE983-60*	28.6	30.0	67.0	-	400.0	42.0	6600
PE983-75*	32.1	35.0	71.0	-	407.0	47.0	9600
PE983-100*	36.6	45.0	86.0	-	504.0	57.0	15600



Dimensions in Imperial

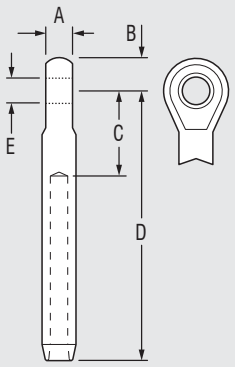
	mm	in.	in.	in.	in.	in.	oz
RF1501M2.503	2.5	0.122	0.246	0.598	1.890	0.201	0.3
RF1501M0304	3	0.181	0.244	0.634	2.177	0.256	0.5
RF1501M0405	4	0.240	0.335	0.728	2.520	0.319	0.8
RF1501M0505	5	0.240	0.335	0.752	2.937	0.319	1.1
RF1501M0506	5	0.303	0.394	0.831	3.016	0.382	1.3
RF1501M0608	6	0.374	0.492	1.067	3.839	0.512	3.4
RF1501M0708	7	0.492	0.531	1.217	4.327	0.512	4.9
RF1501M0808	8	0.492	0.531	1.161	4.646	0.512	6.1
RF1501M0810	8	0.551	0.610	1.102	4.587	0.642	6.4
RF1501M1010	10	0.551	0.610	1.142	5.492	0.642	8.0
RF1501M1212	12	0.610	0.768	1.669	7.197	0.768	14.8
RF1501M1414	14	0.787	0.913	2.134	8.350	0.886	26.3
RF1501M1616	16	0.984	1.071	2.287	9.244	1.016	37.9
RF1501M1920	19	1.161	1.315	2.780	11.071	1.260	66.3
RF1501M2220	22	1.161	1.315	2.839	12.500	1.260	89.9
RF1501M2622	26	1.299	1.339	3.252	14.551	1.390	124.2
PE983-60*	28.6	1.181	2.638	-	15.748	1.654	233.0
PE983-75*	32.1	1.378	2.795	-	16.024	1.850	338.9
PE983-100*	36.6	1.772	3.386	-	19.843	2.244	550.7

Available as completed cable only

SS Eye Swage Terminals (Swage Eyes) - Imperial Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø in.	A mm	B mm	C mm	D mm	E mm	WEIGHT g
RF1500-0303	3/32	3.1	6.3	15.2	48.0	5.1	8
RF1500-0404	1/8	4.6	6.2	16.1	55.3	6.5	12
RF1500-0505	5/32	6.1	8.5	18.5	64.0	8.1	20
RF1500-0605	3/16	6.1	8.5	19.1	74.6	8.1	32
RF1500-0606	3/16	7.7	10.0	21.1	76.9	9.7	38
RF1500-0706	7/32	7.7	10.0	22.4	83.4	9.7	56
RF1500-0808	1/4	9.5	12.5	27.1	97.5	13.0	90
RF1500-0908	9/32	12.5	13.5	30.9	109.9	13.0	138
RF1500-1008	5/16	12.5	13.5	29.5	118.0	13.0	174
RF1500-1010	5/16	14.0	15.5	28.0	116.5	16.3	182
RF1500-1210	3/8	14.0	15.5	29.0	139.5	16.3	232
RF1500-1412	7/16	15.5	18.2	35.9	158.6	19.5	324
RF1500-1614	1/2	20.0	24.0	51.8	192.2	22.5	566
RF1500-1814	9/16	20.0	23.2	54.2	212.1	22.5	730
RF1500-2016	5/8	25.0	27.2	58.1	234.8	25.8	1070
RF1500-2420	3/4	29.5	33.4	70.6	281.2	32.0	1890
RF1500-2820	7/8	29.5	33.4	72.1	317.5	32.0	2624
RF1500-3222	1	33.0	34.0	82.6	369.6	35.3	3482



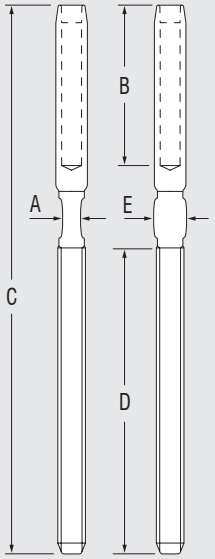
Dimensions in Imperial

	in.	in.	in.	in.	in.	in.	oz
RF1500-0303	3/32	0.122	0.248	0.598	1.890	0.2	0.3
RF1500-0404	1/8	0.181	0.244	0.634	2.177	0.2	0.4
RF1500-0505	5/32	0.240	0.335	0.728	2.520	0.3	0.7
RF1500-0605	3/16	0.240	0.335	0.752	2.937	0.3	1.1
RF1500-0606	3/16	0.303	0.394	0.831	3.028	0.3	1.3
RF1500-0706	7/32	0.303	0.394	0.882	3.283	0.3	2.0
RF1500-0808	1/4	0.374	0.492	1.067	3.839	0.5	3.2
RF1500-0908	9/32	0.492	0.531	1.217	4.327	0.5	4.9
RF1500-1008	5/16	0.492	0.531	1.161	4.646	0.5	6.1
RF1500-1010	5/16	0.551	0.610	1.102	4.587	0.6	6.4
RF1500-1210	3/8	0.551	0.610	1.142	5.492	0.6	8.2
RF1500-1412	7/16	0.610	0.717	1.413	6.244	0.7	11.4
RF1500-1614	1/2	0.787	0.945	2.039	7.567	0.8	20.0
RF1500-1814	9/16	0.787	0.913	2.134	8.350	0.8	25.7
RF1500-2016	5/8	0.984	1.071	2.287	9.244	0.9	37.7
RF1500-2420	3/4	1.161	1.315	2.780	11.071	1.1	66.7
RF1500-2820	7/8	1.161	1.315	2.839	12.500	1.1	92.6
RF1500-3222	1	1.299	1.339	3.252	14.551	1.2	122.8

SS Threaded Swage Terminals - Metric Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	SUIT TURNBUCKLE	THREAD TYPE	A mm	B mm	C mm	D mm	E mm	WEIGHT g
RF1513M2.503	2.5	RF217,218,219	3/16" UNF	3.9	32.8	78.0	32.0	6.0	8
RF1512M0304	3	RF1578M0304	1/4" UNF	3.9	39.2	132.5	73.5	7.0	24
RF1512M0404	4	RF1578M0404	1/4" UNF	3.9	45.5	141.0	74.5	7.0	30
RF1512M0405	4	RF1578M0405	5/16" UNF	5.4	45.5	153.0	89.0	9.1	44
RF1512M0504	5	RF1578M0504	1/4" UNF	3.9	32.0	128.5	74.0	7.0	30
RF1512M0505	5	RF1578M0505	5/16" UNF	4.4	55.5	163.5	89.0	9.1	52
RF1512M0506	5	RF1578M0506	3/8" UNF	6.2	55.5	178.5	105.0	10.1	76
RF1512M0607	6	RF1578M0607	7/16" UNF	7.6	70.4	221.0	124.0	11.6	155
RF1512M0608	6	RF1578M0608	1/2" UNF	8.5	70.4	240.0	143.0	14.4	194
RF1512M0708	7	RF1578M0708	1/2" UNF	8.5	79.0	250.0	143.0	14.0	222
RF1512M0808	8	RF1578M0808	1/2" UNF	8.5	88.5	263.0	143.0	13.9	258
RF1512M0810	8	RF1578M0810	5/8" UNF	11.5	88.5	310.0	190.0	16.5	420
RF1512M1010	10	RF1578M1010	5/8" UNF	11.5	110.5	330.0	190.0	17.4	446
RF1513M1212	12	RF1579M1212	3/4" UNF	12.0	140.4	286.2	105.0	21.0	560
RF1513M1414	14	RF1579M1414	7/8" UNF	14.4	157.9	319.9	118.0	23.9	846
RF1513M1616	16	RF1579M1616	1" UNF	18.0	176.7	360.0	130.0	27.4	1228
RF1513M1920	19	RF1579M1920	1 1/4" UNF	25.0	210.6	418.6	150.0	32.7	2230
RF1513M2220	22	RF1579M2220	1 1/4" UNF	25.0	245.4	460.4	150.0	32.7	2970
RF1513M2622	26	RF1579M2622	1 3/8" UNF	28.7	287.0	586.4	236.0	37.5	4630
PE989-60*	28.6	PE985-60	M42	-	-	456.0	168.0	-	4300
PE989-75*	32.1	PE985-75	M48	-	-	523.0	192.0	-	6900
PE989-100*	36.6	PE985-100	M56	-	-	594.0	224.0	-	9900



Dimensions in Imperial

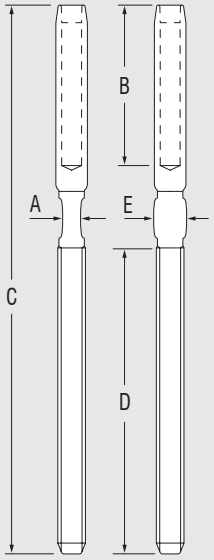
	mm			in.	in.	in.	in.	in.	oz
RF1513M2.503	2.5	RF217,218,219	3/16" UNF	0.154	1.291	3.071	1.260	0.236	0.3
RF1512M0304	3	RF1578M0304	1/4" UNF	0.154	1.543	5.217	2.894	0.276	0.8
RF1512M0404	4	RF1578M0404	1/4" UNF	0.154	1.791	5.551	2.933	0.276	1.1
RF1512M0405	4	RF1578M0405	5/16" UNF	0.213	1.791	6.024	3.504	0.358	1.6
RF1512M0504	5	RF1578M0504	1/4" UNF	0.154	1.260	5.059	2.913	0.276	1.1
RF1512M0505	5	RF1578M0505	5/16" UNF	0.173	2.185	6.437	3.504	0.358	1.8
RF1512M0506	5	RF1578M0506	3/8" UNF	0.244	2.185	7.028	4.134	0.398	2.7
RF1512M0607	6	RF1578M0607	7/16" UNF	0.299	2.772	8.701	4.882	0.457	5.5
RF1512M0608	6	RF1578M0608	1/2" UNF	0.335	2.772	9.449	5.630	0.567	6.9
RF1512M0708	7	RF1578M0708	1/2" UNF	0.335	3.110	9.843	5.630	0.551	7.8
RF1512M0808	8	RF1578M0808	1/2" UNF	0.335	3.484	10.354	5.630	0.547	9.1
RF1512M0810	8	RF1578M0810	5/8" UNF	0.453	3.484	12.205	7.480	0.650	14.8
RF1512M1010	10	RF1578M1010	5/8" UNF	0.453	4.350	12.992	7.480	0.685	15.8
RF1513M1212	12	RF1579M1212	3/4" UNF	0.472	5.528	11.268	4.134	0.827	19.8
RF1513M1414	14	RF1579M1414	7/8" UNF	0.567	6.217	12.594	4.646	0.941	29.9
RF1513M1616	16	RF1579M1616	1" UNF	0.709	6.957	14.173	5.118	1.079	43.4
RF1513M1920	19	RF1579M1920	1 1/4" UNF	0.984	8.291	16.480	5.906	1.287	78.8
RF1513M2220	22	RF1579M2220	1 1/4" UNF	0.984	9.661	18.126	5.906	1.287	104.9
RF1513M2622	26	RF1579M2622	1 3/8" UNF	1.130		23.087	9.291	1.476	163.6
PE989-60*	28.6	PE985-60	M42	-	-	17.953	6.614	-	151.9
PE989-75*	32.1	PE985-75	M48	-	-	20.591	7.559	-	243.8
PE989-100*	36.6	PE985-100	M56	-	-	23.386	8.819	-	349.8

**Available as completed cable only*

SS Threaded Swage Terminals - Imperial Cable

Dimensions in Metric

PRODUCT No.	CABLE Ø in.	SUIT TURNBUCKLE	THREAD TYPE	A mm	B mm	C mm	D mm	E mm	WEIGHT g
RF1511-0303	3/32	RF217,218,219	3/16" UNF	3.9	32.8	78.0	32.0	6.0	10
RF1510-0404	1/8	RF1576-0404	1/4" UNF	3.9	39.2	132.5	73.5	7.0	22
RF1510-0504	5/32	RF1576-0504	1/4" UNF	3.9	45.5	141.0	74.5	7.0	30
RF1510-0505	5/32	RF1576-0505	5/16" UNF	4.4	45.5	153.0	89.0	9.1	44
RF1510-0604	3/16	RF1576-0604	1/4" UNF	3.9	32.0	128.5	74.0	7.0	32
RF1510-0605	3/16	RF1576-0605	5/16" UNF	5.5	55.5	163.5	89.0	9.0	56
RF1510-0606	3/16	RF1576-0606	3/8" UNF	6.2	55.5	178.5	105.0	10.6	78
RF1510-0706	7/32	RF1576-0706	3/8" UNF	6.2	61.0	185.0	105.0	10.3	90
RF1510-0807	1/4	-	7/16" UNF	7.6	70.4	221.0	124.0	11.6	148
RF1510-0808	1/4	RF1576-0808	1/2" UNF	8.5	70.4	240.0	143.0	14.4	196
RF1510-0908	9/32	RF1576-0908	1/2" UNF	8.5	78.0	248.0	143.0	13.9	222
RF1510-1008	5/16	RF1576-1008	1/2" UNF	8.5	88.5	263.0	143.0	13.9	258
RF1510-1009	5/16	-	9/16" UNF	10.5	88.5	279.0	159.0	15.4	314
RF1510-1010	5/16	RF1576-1010	5/8" UNF	11.5	88.5	310.0	190.0	16.5	410
RF1510-1210	3/8	RF1576-1210	5/8" UNF	11.5	110.5	330.0	190.0	17.4	452
RF1511-1412	7/16	RF1577-1412	3/4" UNF	12.0	122.7	259.7	105.0	20.7	468
RF1511-1614	1/2	RF1577-1614	7/8" UNF	14.4	140.4	294.7	118.0	24.0	662
RF1511-1814	9/16	RF1577-1814	7/8" UNF	14.4	157.9	319.9	118.0	24.0	850
RF1511-2016	5/8	RF1577-2016	1" UNF	18.0	176.7	360.0	130.0	27.4	1210
RF1511-2420	3/4	RF1577-2420	1 1/4" UNF	25.0	210.6	418.6	150.0	32.7	2230
RF1511-2820	7/8	RF1577-2820	1 1/4" UNF	25.0	245.4	460.4	150.0	32.7	2970
RF1511-3222	1	RF1577-3222	1 3/8" UNF	28.7	287.0	586.4	236.0	37.5	4630



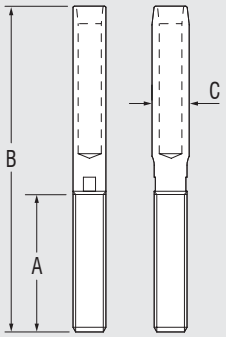
Dimensions in Imperial

	in.			in.	in.	in.	in.	in.	oz
RF1511-0303	3/32	RF217,218,219	3/16" UNF	0.154	1.291	3.071	1.260	0.236	0.4
RF1510-0404	1/8	RF1576-0404	1/4" UNF	0.154	1.543	5.217	2.894	0.276	0.8
RF1510-0504	5/32	RF1576-0504	1/4" UNF	0.154	1.791	5.551	2.933	0.276	1.1
RF1510-0505	5/32	RF1576-0505	5/16" UNF	0.173	1.791	6.024	3.504	0.358	1.6
RF1510-0604	3/16	RF1576-0604	1/4" UNF	0.154	1.260	5.059	2.913	0.276	1.1
RF1510-0605	3/16	RF1576-0605	5/16" UNF	0.217	2.185	6.437	3.504	0.354	2.0
RF1510-0606	3/16	RF1576-0606	3/8" UNF	0.244	2.185	7.028	4.134	0.417	2.8
RF1510-0706	7/32	RF1576-0706	3/8" UNF	0.244	2.402	7.283	4.134	0.406	3.2
RF1510-0807	1/4	-	7/16" UNF	0.299	2.772	8.701	4.882	0.457	5.2
RF1510-0808	1/4	RF1576-0808	1/2" UNF	0.335	2.772	9.449	5.630	0.567	6.9
RF1510-0908	9/32	RF1576-0908	1/2" UNF	0.335	3.071	9.764	5.630	0.547	7.8
RF1510-1001	5/16	RF1576-1008	1/2" UNF	0.335	3.484	10.354	5.630	0.547	9.1
RF1510-1009	5/16	-	9/16" UNF	0.413	3.484	10.984	6.260	0.606	11.1
RF1510-1010	5/16	RF1576-1010	5/8" UNF	0.453	3.484	12.205	7.480	0.650	14.5
RF1510-1210	3/8	RF1576-1210	5/8" UNF	0.453	4.350	12.992	7.480	0.685	16.0
RF1511-1412	7/16	RF1577-1412	3/4" UNF	0.472	4.831	10.224	4.134	0.815	16.5
RF1511-1614	1/2	RF1577-1614	7/8" UNF	0.567	5.528	11.602	4.646	0.945	23.4
RF1511-1814	9/16	RF1577-1814	7/8" UNF	0.567	6.217	12.594	4.646	0.945	30.0
RF1511-2016	5/8	RF1577-2016	1" UNF	0.709	6.957	14.173	5.118	1.079	42.8
RF1511-2420	3/4	RF1577-2420	1 1/4" UNF	0.984	8.291	16.480	5.906	1.287	78.9
RF1511-2820	7/8	RF1577-2820	1 1/4" UNF	0.984	9.661	18.126	5.906	1.287	104.9
RF1511-3222	1	RF1577-3222	1 3/8" UNF	1.130		23.087	9.291	1.476	163.6

GS Threaded Swage Terminals - Type 988*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	THREAD TYPE	A mm	B mm	C mm	WEIGHT g
PG988-5	8.1	M14	56.0	141.0	16.0	200
PG988-10	10.1	M16	64.0	168.0	20.0	300
PG988-15	12.2	M20	80.0	206.0	25.0	500
PG988-20	14.1	M24	96.0	244.0	30.0	900
PG988-25	17.0	M27	108.0	285.0	34.0	1300
PG988-40	20.1	M30	120.0	328.0	40.0	1900
PG988-55	24.4	M36	144.0	394.0	50.0	3500
PG988-75	28.3	M42	168.0	459.0	57.0	5400
PG988-90	31.3	M48	192.0	515.0	64.0	7700
PG988-125	36.3	M56	224.0	597.0	71.0	11300



Dimensions in Imperial

	mm		in.	in.	in.	oz
PG988-5	8.1	M14	2.205	5.551	0.630	7.1
PG988-10	10.1	M16	2.520	6.614	0.787	10.6
PG988-15	12.2	M20	3.150	8.110	0.984	17.6
PG988-20	14.1	M24	3.780	9.606	1.181	31.7
PG988-25	17.0	M27	4.252	11.220	1.339	45.9
PG988-40	20.1	M30	4.724	12.913	1.575	67.0
PG988-55	24.4	M36	5.669	15.512	1.968	123.5
PG988-75	28.3	M42	6.614	18.071	2.244	190.5
PG988-90	31.3	M48	7.559	20.276	2.520	271.6
PG988-125	36.3	M56	8.819	23.504	2.795	398.6

**Available as completed cable only*

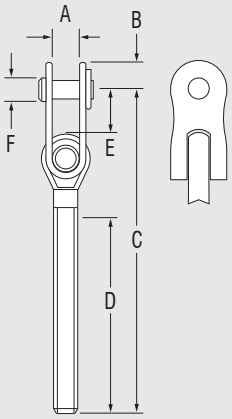
SS Threaded Toggle Jaws (Threaded Toggles) - Standard Series

Dimensions in Metric

PRODUCT No.	THREAD TYPE	A mm	B mm	C mm	D mm	E mm	F mm	B.L. kg	WEIGHT g
RF1504-0404	1/4" UNF	7.8	9.1	111.5	75.0	16.8	6.2	1630	46
RF1504-0505	5/16" UNF	9.4	11.2	131.0	89.0	20.7	7.9	2500	88
RF1504-0606	3/8" UNF	10.0	14.4	154.0	105.0	23.0	9.4	3350	160
RF1504-0808	1/2" UNF	13.9	17.5	212.0	143.0	29.4	12.4	5430	358
RF1504-1010	5/8" UNF	17.0	20.8	184.0	95.0	42.2	15.7	8700	526
RF1504-1212	3/4" UNF	20.0	23.5	201.0	104.0	48.9	18.9	12650	830
RF1504-1414	7/8" UNF	26.6	28.5	230.0	118.0	44.4	22.0	17250	1406
RF1504-1616	1" UNF	29.3	31.8	267.0	130.0	60.3	25.2	22510	2458
RF1504-2020	1 1/4" UNF	36.0	42.0	323.0	150.0	74.0	32.0	36330	4500

Dimensions in Imperial

		in.	in.	in.	in.	in.	in.	lb	oz
RF1504-0404	1/4" UNF	0.307	0.358	4.390	2.953	0.661	0.244	3594	1.6
RF1504-0505	5/16" UNF	0.370	0.441	5.157	3.504	0.815	0.311	5513	3.1
RF1504-0606	3/8" UNF	0.394	0.567	6.063	4.134	0.906	0.370	7387	5.7
RF1504-0808	1/2" UNF	0.547	0.689	8.346	5.630	1.157	0.488	11973	12.7
RF1504-1010	5/8" UNF	0.669	0.819	7.244	3.740	1.661	0.618	19184	18.6
RF1504-1212	3/4" UNF	0.787	0.925	7.913	4.094	1.925	0.744	27893	29.3
RF1504-1414	7/8" UNF	1.047	1.122	9.055	4.646	1.748	0.866	38036	49.7
RF1504-1616	1" UNF	1.154	1.252	10.512	5.118	2.374	0.992	49635	86.9
RF1504-2020	1 1/4" UNF	1.417	1.654	12.717	5.906	2.913	1.260	80108	159.0



Articulating (Toggle) Jaw

SS Threaded Toggle Jaws (Threaded Toggles) - Long Series

Dimensions in Metric

PRODUCT No.	THREAD TYPE	A mm	B mm	C mm	D mm	E mm	F mm	B.L. kg	WEIGHT g
RF1504-0808A	1/2" UNF	13.9	17.5	260.0	190.0	28.0	12.7	5430	400
RF1504-1010A	5/8" UNF	17.0	20.8	278.0	190.0	42.0	15.9	8700	658
RF1504-1212A	3/4" UNF	20.0	23.8	352.0	254.0	48.0	19.0	12650	1132
RF1504-1414A	7/8" UNF	26.6	28.5	367.0	254.0	42.0	22.4	17250	1780
RF1504-1616A	1" UNF	29.3	31.8	442.0	305.0	59.0	25.4	22510	3050
RF1504-2020A	1 1/4" UNF	36.5	42.5	480.0	305.0	74.0	32.0	36330	5400

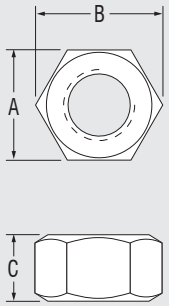
Dimensions in Imperial

		in.	in.	in.	in.	in.	in.	lb	oz
RF1504-0808A	1/2" UNF	0.547	0.689	10.236	7.480	1.102	0.500	11971	14.1
RF1504-1010A	5/8" UNF	0.669	0.819	10.945	7.480	1.654	0.626	19180	23.2
RF1504-1212A	3/4" UNF	0.787	0.937	13.858	10.000	1.890	0.748	27888	39.9
RF1504-1414A	7/8" UNF	1.047	1.122	14.449	10.000	1.654	0.882	38030	62.7
RF1504-1616A	1" UNF	1.154	1.252	17.402	12.008	2.323	1.000	49626	107.0
RF1504-2020A	1 1/4" UNF	1.437	1.673	18.898	12.008	2.913	1.260	80094	109.0

SS Hex Nuts

Dimensions in Metric

PRODUCT No.	THREAD TYPE	TPI	A mm	B mm	C mm	WEIGHT g
NS-03	#10 (3/16" UNF)	32	9.5	10.7	3.1	1
NS-04	1/4" UNF	28	11.0	12.5	5.6	2
NS-05	5/16" UNF	24	12.5	14.3	6.8	4
NS-06	3/8" UNF	24	14.1	16.2	8.3	6
NS-08	1/2" UNF	20	18.8	21.5	11.0	12
NS-10	5/8" UNF	18	23.6	27.0	13.9	32
NS-12	3/4" UNF	16	27.8	32.0	16.3	50
NS-14	7/8" UNF	14	32.6	37.4	19.0	82
NS-16	1" UNF	12	37.4	42.8	21.8	126
NS-20	1 1/4" UNF	12	47.5	54.5	28.0	265
NS-22	1 3/8" UNF	12	57.0	65.0	30.5	450

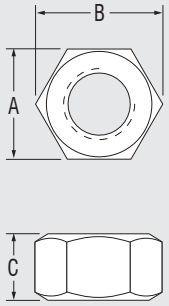


Hex Nuts - Chrome Plated Brass

Dimensions in Metric

PRODUCT No.	THREAD TYPE	TPI	A mm	B mm	C mm	WEIGHT g
NB-03*	#10 (3/16" UNF)	32	7.9	8.9	3.2	2
NB-04*	1/4" UNF	28	11.1	12.7	5.5	4
NB-05*	5/16" UNF	24	12.7	14.4	6.7	6
NB-06*	3/8" UNF	24	14.3	16.3	8.5	8
NB-08	1/2" UNF	20	19.0	21.6	11.0	18
NB-10	5/8" UNF	18	23.7	27.2	13.8	34
NB-12	3/4" UNF	16	28.3	32.3	15.8	56
NB-14	7/8" UNF	14	33.2	37.9	18.9	94
NB-16	1" UNF	12	37.8	43.2	22.0	142
NB-20	1 1/4" UNF	12	47.5	54.2	27.8	276
NB-22	1 3/8" UNF	12	57.0	65.1	30.5	478

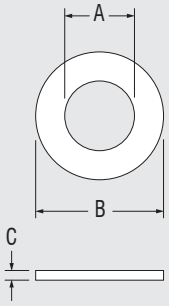
**Nickel plated*



SS Flat Washers

Dimensions in Metric

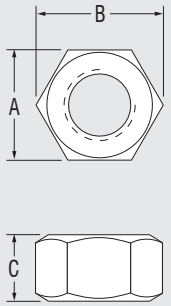
PRODUCT No.	A mm	B mm	C mm	WEIGHT g
WS-03	4.8	11.1	0.9	1
WS-04	6.4	14.3	1.2	1
WS-05	8.0	16.0	1.2	1
WS-06	9.5	19.0	1.2	2
WS-08	12.7	25.4	2.0	5
WS-10	16.0	38.0	2.0	13
WS-12	19.0	38.0	2.0	12
WS-14	22.2	50.8	3.0	23
WS-16	25.4	47.6	2.0	18
WS-20	31.8	70.0	3.0	64
WS-22	36.0	66.0	5.0	82



SS Hex Nuts

Dimensions in Imperial

PRODUCT No.	THREAD TYPE	TPI	A in.	B in.	C in.	WEIGHT oz
NS-03	#10 (3/16" UNF)	32	0.374	0.421	0.122	0.1
NS-04	1/4" UNF	28	0.433	0.492	0.220	0.1
NS-05	5/16" UNF	24	0.492	0.563	0.268	0.1
NS-06	3/8" UNF	24	0.555	0.638	0.327	0.2
NS-08	1/2" UNF	20	0.740	0.846	0.433	0.4
NS-10	5/8" UNF	18	0.929	1.063	0.547	1.1
NS-12	3/4" UNF	16	1.094	1.260	0.642	1.8
NS-14	7/8" UNF	14	1.283	1.472	0.748	2.9
NS-16	1" UNF	12	1.472	1.685	0.858	4.4
NS-20	1 1/4" UNF	12	1.870	2.146	1.102	9.3
NS-22	1 3/8" UNF	12	2.244	2.559	1.201	15.9

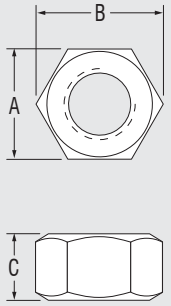


Hex Nuts - Chrome Plated Brass

Dimensions in Imperial

PRODUCT No.	THREAD TYPE	TPI	A in.	B in.	C in.	WEIGHT oz
NB-03*	#10 (3/16" UNF)	32	0.311	0.350	0.126	0.1
NB-04*	1/4" UNF	28	0.437	0.500	0.217	0.1
NB-05*	5/16" UNF	24	0.500	0.567	0.264	0.2
NB-06*	3/8" UNF	24	0.563	0.642	0.335	0.3
NB-08	1/2" UNF	20	0.748	0.850	0.433	0.6
NB-10	5/8" UNF	18	0.933	1.071	0.543	1.2
NB-12	3/4" UNF	16	1.114	1.272	0.622	2.0
NB-14	7/8" UNF	14	1.307	1.492	0.744	3.3
NB-16	1" UNF	12	1.488	1.701	0.866	5.0
NB-20	1 1/4" UNF	12	1.870	2.134	1.094	9.7
NB-22	1 3/8" UNF	12	2.244	2.563	1.201	16.9

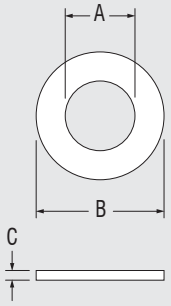
**Nickel plated*



SS Flat Washers

Dimensions in Imperial

PRODUCT No.	A in.	B in.	C in.	WEIGHT oz
WS-03	0.189	0.437	0.035	0.1
WS-04	0.252	0.563	0.047	0.1
WS-05	0.315	0.630	0.047	0.1
WS-06	0.374	0.748	0.047	0.1
WS-08	0.500	1.000	0.079	0.2
WS-10	0.630	1.496	0.079	0.5
WS-12	0.748	1.496	0.079	0.4
WS-14	0.874	2.000	0.118	0.8
WS-16	1.000	1.874	0.079	0.6
WS-20	1.252	2.756	0.118	2.3
WS-22	1.417	2.598	0.197	2.9



GF Open Jaw Sockets - Type 802*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	WEIGHT kg**
PV802-40	21	40.0	55.0	48.0	39.0	90.0	170.0	3
PV802-60	26	50.0	68.0	58.0	44.0	110.0	210.0	5
PV802-90	31	60.0	83.0	72.0	54.0	135.0	255.0	9
PV802-115	35	70.0	98.0	82.0	64.0	160.0	295.0	15
PV802-150	40	70.0	98.0	82.0	64.0	160.0	295.0	15
PV802-195	45	80.0	110.0	96.0	73.0	180.0	340.0	23
PV802-240	50	90.0	123.0	106.0	83.0	200.0	380.0	31
PV802-300	55	100.0	140.0	120.0	88.0	230.0	425.0	44
PV802-360	60	110.0	153.0	130.0	98.0	250.0	465.0	58
PV802-420	65	120.0	165.0	144.0	108.0	270.0	510.0	76
PV802-490	70	130.0	178.0	154.0	118.0	290.0	550.0	95
PV802-560	75	140.0	195.0	168.0	128.0	320.0	595.0	149
PV802-640	80	150.0	208.0	178.0	138.0	340.0	635.0	183
PV802-720	85	160.0	220.0	192.0	142.0	360.0	680.0	215
PV802-810	90	170.0	233.0	202.0	153.0	380.0	720.0	262
PV802-910	95	180.0	260.0	231.0	162.0	410.0	780.0	324
PV802-1010	100	190.0	263.0	223.0	172.0	430.0	805.0	369
PV802-1110	105	200.0	275.0	240.0	182.0	450.0	850.0	424
PV802-1220	110	205.0	295.0	262.0	187.0	480.0	900.0	527
PV802-1340	115	218.0	317.0	264.0	202.0	503.0	935.0	625
PV802-1450	120	230.0	335.0	302.0	207.0	530.0	1015.0	749
PV802-1580	125	238.0	350.0	288.0	217.0	550.0	1020.0	808
PV802-1730	130	247.0	365.0	300.0	227.0	570.0	1063.0	913
PV802-1860	135	256.0	380.0	315.0	237.0	590.0	1105.0	1015
PV802-2000	140	267.0	395.0	324.0	247.0	620.0	1148.0	1132

Dimensions in Imperial

	mm	in.	in.	in.	in.	in.	in.	lb**
PV802-40	21	1.575	2.165	1.890	1.535	3.543	6.693	7
PV802-60	26	1.968	2.677	2.283	1.732	4.331	8.268	11
PV802-90	31	2.362	3.268	2.835	2.126	5.315	10.039	20
PV802-115	35	2.756	3.858	3.228	2.520	6.299	11.614	33
PV802-150	40	2.756	3.858	3.228	2.520	6.299	11.614	33
PV802-195	45	3.150	4.331	3.780	2.874	7.087	13.386	51
PV802-240	50	3.543	4.843	4.173	3.268	7.874	14.961	68
PV802-300	55	3.937	5.512	4.724	3.465	9.055	16.732	97
PV802-360	60	4.331	6.024	5.118	3.858	9.842	18.307	128
PV802-420	65	4.724	6.496	5.669	4.252	10.630	20.079	168
PV802-490	70	5.118	7.008	6.063	4.646	11.417	21.653	209
PV802-560	75	5.512	7.677	6.614	5.039	12.598	23.425	329
PV802-640	80	5.905	8.189	7.008	5.433	13.386	25.000	403
PV802-720	85	6.299	8.661	7.559	5.591	14.173	26.772	474
PV802-810	90	6.693	9.173	7.953	6.024	14.961	28.346	578
PV802-910	95	7.087	10.236	9.094	6.378	16.142	30.709	714
PV802-1010	100	7.480	10.354	8.780	6.772	16.929	31.693	814
PV802-1110	105	7.874	10.827	9.449	7.165	17.716	33.464	935
PV802-1220	110	8.071	11.614	10.315	7.362	18.898	35.433	1162
PV802-1340	115	8.583	12.480	10.394	7.953	19.803	36.811	1378
PV802-1450	120	9.055	13.189	11.890	8.150	20.866	39.961	1651
PV802-1580	125	9.370	13.779	11.339	8.543	21.653	40.157	1781
PV802-1730	130	9.724	14.370	11.811	8.397	22.441	41.850	2013
PV802-1860	135	10.079	14.961	12.402	9.331	23.228	43.504	2238
PV802-2000	140	10.512	15.551	12.756	9.724	24.409	45.197	2496

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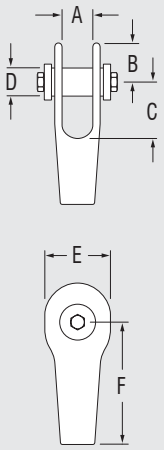

Corrosion Protection:
Hot dip galvanized 80 μm
DIN EN ISO 1461 alternate spraying galvanized

Field of Application:
Full locked cables, spiral strands

* Available as completed cable only

** Without molten zinc

All dimensions without corrosion protection

GF Cylindrical Sockets with Internal Thread - Type 801*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B THREAD TYPE	C mm	D mm	WEIGHT kg**
PV801-40	21	80.0	M42 x 3	165.0	65.0	5
PV801-60	26	95.0	M52 x 3	200.0	75.0	8
PV801-90	31	110.0	M64 x 4	235.0	85.0	13
PV801-115	35	125.0	M75 x 4	270.0	95.0	18
PV801-150	40	125.0	M75 x 4	270.0	95.0	18
PV801-195	45	140.0	M85 x 4	305.0	105.0	25
PV801-240	50	155.0	M95 x 4	350.0	125.0	35
PV801-300	55	170.0	M108 x 4	385.0	135.0	45
PV801-360	60	185.0	M118 x 4	420.0	145.0	58
PV801-420	65	205.0	M128 x 4	460.0	160.0	79
PV801-490	70	220.0	M140 x 4	495.0	170.0	97
PV801-560	75	235.0	M150 x 4	530.0	180.0	117
PV801-640	80	250.0	M160 x 4	565.0	190.0	141
PV801-720	85	265.0	M172 x 4	600.0	200.0	166
PV801-810	90	280.0	M185 x 6	645.0	220.0	198
PV801-910	95	295.0	M195 x 6	680.0	230.0	230
PV801-1010	100	310.0	M205 x 6	715.0	240.0	266
PV801-1110	105	330.0	M215 x 6	760.0	260.0	326
PV801-1220	110	345.0	M225 x 6	800.0	275.0	373
PV801-1340	115	360.0	M235 x 6	840.0	290.0	425
PV801-1450	120	380.0	M245 x 6	880.0	305.0	502
PV801-1580	125	395.0	M260 x 6	920.0	320.0	560
PV801-1730	130	410.0	M270 x 6	960.0	335.0	627
PV801-1860	135	425.0	M280 x 6	1000.0	350.0	700
PV801-2000	140	440.0	M290 x 6	1040.0	365.0	778

Dimensions in Imperial

	mm	in.		in.	in.	lb**
PV801-40	21	3.150	M42 x 3	6.496	2.559	11
PV801-60	26	3.740	M52 x 3	7.874	2.953	18
PV801-90	31	4.331	M64 x 4	9.252	3.346	29
PV801-115	35	4.921	M75 x 4	10.630	3.740	40
PV801-150	40	4.921	M75 x 4	10.630	3.740	40
PV801-195	45	5.512	M85 x 4	12.008	4.134	55
PV801-240	50	6.102	M95 x 4	13.779	4.921	77
PV801-300	55	6.693	M108 x 4	15.157	5.315	99
PV801-360	60	7.283	M118 x 4	16.535	5.709	128
PV801-420	65	8.071	M128 x 4	18.110	6.299	174
PV801-490	70	8.661	M140 x 4	19.488	6.693	214
PV801-560	75	9.252	M150 x 4	20.866	7.087	258
PV801-640	80	9.842	M160 x 4	22.244	7.480	311
PV801-720	85	10.433	M172 x 4	23.622	7.874	366
PV801-810	90	11.024	M185 x 6	25.394	8.661	437
PV801-910	95	11.614	M195 x 6	26.772	9.055	507
PV801-1010	100	12.205	M205 x 6	28.150	9.449	586
PV801-1110	105	12.992	M215 x 6	29.921	10.236	719
PV801-1220	110	13.583	M225 x 6	31.496	10.827	822
PV801-1340	115	14.173	M235 x 6	33.071	11.417	937
PV801-1450	120	14.961	M245 x 6	34.646	12.008	1107
PV801-1580	125	15.551	M260 x 6	36.220	12.598	1235
PV801-1730	130	16.142	M270 x 6	37.795	13.189	1382
PV801-1860	135	16.732	M280 x 6	39.370	13.779	1543
PV801-2000	140	17.323	M290 x 6	40.945	14.370	1715

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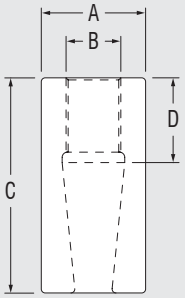

Corrosion Protection:
Hot dip galvanized 80 µm
DIN EN ISO 1461 alternate
spraying galvanized, thread bare

Field of Application:
Full locked cables, spiral strands

* Available as completed cable only

** Without molten zinc

All dimensions without corrosion protection

GF Cylindrical Sockets with Internal and External Thread - Type 810*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A THREAD TYPE	B** THREAD TYPE	C mm	D mm	E mm	WEIGHT kg***
PV810-40	21	M70 x 4	M42 x 3	165.0	65.0	95.0	3
PV810-60	26	M85 x 4	M52 x 3	200.0	75.0	120.0	5
PV810-90	31	M100 x 4	M64 x 4	235.0	85.0	145.0	8
PV810-115	35	M115 x 6	M75 x 4	270.0	95.0	168.0	14
PV810-150	40	M115 x 6	M75 x 4	270.0	95.0	168.0	14
PV810-195	45	M130 x 6	M85 x 4	305.0	105.0	193.0	19
PV810-240	50	M145 x 6	M95 x 4	350.0	125.0	218.0	27
PV810-300	55	M160 x 6	M108 x 4	385.0	135.0	243.0	36
PV810-360	60	M175 x 6	M118 x 4	420.0	145.0	268.0	47
PV810-420	65	M195 x 6	M128 x 4	460.0	160.0	293.0	65
PV810-490	70	M210 x 8	M140 x 4	495.0	170.0	318.0	80
PV810-560	75	M225 x 8	M150 x 4	530.0	180.0	343.0	98
PV810-640	80	M240 x 8	M160 x 4	565.0	190.0	365.0	119
PV810-720	85	M255 x 8	M172 x 4	600.0	200.0	390.0	142
PV810-810	90	M270 x 8	M185 x 6	645.0	220.0	415.0	169
PV810-910	95	M285 x 8	M195 x 6	680.0	230.0	440.0	199
PV810-1010	100	M300 x 8	M205 x 6	715.0	240.0	465.0	232
PV810-1110	105	M320 x 8	M215 x 6	760.0	260.0	490.0	285
PV810-1220	110	M335 x 8	M225 x 6	800.0	275.0	515.0	329
PV810-1340	115	M350 x 8	M235 x 6	840.0	290.0	538.0	376
PV810-1450	120	M370 x 8	M245 x 6	880.0	305.0	563.0	448
PV810-1580	125	M385 x 10	M260 x 6	920.0	320.0	588.0	497
PV810-1730	130	M400 x 10	M270 x 6	960.0	335.0	613.0	560
PV810-1860	135	M415 x 10	M280 x 6	1000.0	350.0	638.0	628
PV810-2000	140	M430 x 10	M290 x 6	1040.0	365.0	663.0	700

Dimensions in Imperial

	mm			in.	in.	in.	lb***
PV810-40	21	M70 x 4	M42 x 3	6.496	2.559	3.740	7
PV810-60	26	M85 x 4	M52 x 3	7.874	2.953	4.724	11
PV810-90	31	M100 x 4	M64 x 4	9.252	3.346	5.709	18
PV810-115	35	M115 x 6	M75 x 4	10.630	3.740	6.614	31
PV810-150	40	M115 x 6	M75 x 4	10.630	3.740	6.614	31
PV810-195	45	M130 x 6	M85 x 4	12.008	4.134	7.598	42
PV810-240	50	M145 x 6	M95 x 4	13.779	4.921	8.583	60
PV810-300	55	M160 x 6	M108 x 4	15.157	5.315	9.567	79
PV810-360	60	M175 x 6	M118 x 4	16.535	5.709	10.551	104
PV810-420	65	M195 x 6	M128 x 4	18.110	6.299	11.535	143
PV810-490	70	M210 x 8	M140 x 4	19.488	6.693	12.520	176
PV810-560	75	M225 x 8	M150 x 4	20.866	7.087	13.504	216
PV810-640	80	M240 x 8	M160 x 4	22.244	7.480	14.370	262
PV810-720	85	M255 x 8	M172 x 4	23.622	7.874	15.354	313
PV810-810	90	M270 x 8	M185 x 6	25.394	8.661	16.339	373
PV810-910	95	M285 x 8	M195 x 6	26.772	9.055	17.323	439
PV810-1010	100	M300 x 8	M205 x 6	28.150	9.449	18.307	512
PV810-1110	105	M320 x 8	M215 x 6	29.921	10.236	19.291	628
PV810-1220	110	M335 x 8	M225 x 6	31.496	10.827	20.276	725
PV810-1340	115	M350 x 8	M235 x 6	33.071	11.417	21.181	829
PV810-1450	120	M370 x 8	M245 x 6	34.646	12.008	22.165	988
PV810-1580	125	M385 x 10	M260 x 6	36.220	12.598	23.150	1096
PV810-1730	130	M400 x 10	M270 x 6	37.795	13.189	24.134	1235
PV810-1860	135	M415 x 10	M280 x 6	39.370	13.779	25.118	1385
PV810-2000	140	M430 x 10	M290 x 6	40.945	14.370	26.102	1543

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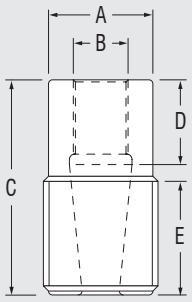

Corrosion Protection:
Hot dip galvanized 80 μm
DIN EN ISO 1461 alternate spraying galvanized, thread bare

Field of Application:
Full locked cables, spiral strands

* Available as completed cable only

** Internal Thread B is only designed for pretensioning during erection and may only be loaded with 60 % of the limit tension in accordance with DIN 18 800

*** Without molten zinc

All dimensions without corrosion protection

GF Conical Sockets with Internal Thread - Type 800*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B THREAD TYPE	C mm	D mm	WEIGHT kg**
PV800-40	21	80.0	M42 x 3	165.0	65.0	4
PV800-60	26	95.0	M52 x 3	200.0	75.0	6
PV800-90	31	110.0	M64 x 4	235.0	85.0	9
PV800-115	35	125.0	M75 x 4	270.0	95.0	13
PV800-150	40	125.0	M75 x 4	270.0	95.0	13
PV800-195	45	140.0	M85 x 4	305.0	105.0	18
PV800-240	50	155.0	M95 x 4	350.0	125.0	25
PV800-300	55	170.0	M108 x 4	385.0	135.0	32
PV800-360	60	185.0	M118 x 4	420.0	145.0	42
PV800-420	65	205.0	M128 x 4	460.0	160.0	56
PV800-490	70	220.0	M140 x 4	495.0	170.0	69
PV800-560	75	235.0	M150 x 4	530.0	180.0	90
PV800-640	80	250.0	M160 x 4	565.0	190.0	109
PV800-720	85	265.0	M172 x 4	600.0	200.0	128
PV800-810	90	280.0	M185 x 6	645.0	220.0	154
PV800-910	95	295.0	M195 x 6	680.0	230.0	184
PV800-1010	100	310.0	M205 x 6	715.0	240.0	208
PV800-1110	105	330.0	M215 x 6	760.0	260.0	253
PV800-1220	110	345.0	M225 x 6	800.0	275.0	295
PV800-1340	115	360.0	M235 x 6	840.0	290.0	337
PV800-1450	120	380.0	M245 x 6	880.0	305.0	395
PV800-1580	125	395.0	M260 x 6	920.0	320.0	441
PV800-1730	130	410.0	M270 x 6	960.0	335.0	495
PV800-1860	135	425.0	M280 x 6	1000.0	350.0	552
PV800-2000	140	440.0	M290 x 6	1040.0	365.0	615

Dimensions in Imperial

	mm	in.		in.	in.	lb**
PV800-40	21	3.150	M42 x 3	6.496	2.559	9
PV800-60	26	3.740	M52 x 3	7.874	2.953	13
PV800-90	31	4.331	M64 x 4	9.252	3.346	20
PV800-115	35	4.921	M75 x 4	10.630	3.740	29
PV800-150	40	4.921	M75 x 4	10.630	3.740	29
PV800-195	45	5.512	M85 x 4	12.008	4.134	40
PV800-240	50	6.102	M95 x 4	13.779	4.921	55
PV800-300	55	6.693	M108 x 4	15.157	5.315	71
PV800-360	60	7.283	M118 x 4	16.535	5.709	93
PV800-420	65	8.071	M128 x 4	18.110	6.299	124
PV800-490	70	8.661	M140 x 4	19.488	6.693	152
PV800-560	75	9.252	M150 x 4	20.866	7.087	198
PV800-640	80	9.842	M160 x 4	22.244	7.480	240
PV800-720	85	10.433	M172 x 4	23.622	7.874	282
PV800-810	90	11.024	M185 x 6	25.394	8.661	340
PV800-910	95	11.614	M195 x 6	26.772	9.055	406
PV800-1010	100	12.205	M205 x 6	28.150	9.449	459
PV800-1110	105	12.992	M215 x 6	29.921	10.236	558
PV800-1220	110	13.583	M225 x 6	31.496	10.827	650
PV800-1340	115	14.173	M235 x 6	33.071	11.417	743
PV800-1450	120	14.961	M245 x 6	34.646	12.008	871
PV800-1580	125	15.551	M260 x 6	36.220	12.598	972
PV800-1730	130	16.142	M270 x 6	37.795	13.189	1091
PV800-1860	135	16.732	M280 x 6	39.370	13.779	1217
PV800-2000	140	17.323	M290 x 6	40.945	14.370	1356

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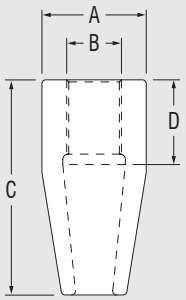

Corrosion Protection:
Hot dip galvanized 80 µm
DIN EN ISO 1461 alternate spraying galvanized, thread bare

Field of Application:
Full locked cables, spiral strands

* Available as completed cable only

** Without molten zinc

All dimensions without corrosion protection

GF Cylindrical Sockets - Type 811*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	WEIGHT kg**
PV811-40	21	80.0	108.0	4
PV811-60	26	95.0	133.0	6
PV811-90	31	110.0	158.0	9
PV811-115	35	125.0	183.0	13
PV811-150	40	125.0	183.0	13
PV811-195	45	140.0	208.0	18
PV811-240	50	155.0	237.0	24
PV811-300	55	170.0	262.0	32
PV811-360	60	185.0	287.0	41
PV811-420	65	205.0	312.0	55
PV811-490	70	220.0	337.0	68
PV811-560	75	235.0	362.0	83
PV811-640	80	250.0	387.0	100
PV811-720	85	265.0	412.0	118
PV811-810	90	280.0	441.0	141
PV811-910	95	295.0	466.0	164
PV811-1010	100	310.0	491.0	190
PV811-1110	105	330.0	516.0	229
PV811-1220	110	345.0	541.0	261
PV811-1340	115	360.0	566.0	296
PV811-1450	120	380.0	591.0	348
PV811-1580	125	395.0	616.0	391
PV811-1730	130	410.0	645.0	439
PV811-1860	135	425.0	670.0	488
PV811-2000	140	440.0	695.0	541

Dimensions in Imperial

	mm	in.	in.	lb**
PV811-40	21	4.252	3.150	9
PV811-60	26	5.236	3.740	13
PV811-90	31	6.220	4.331	20
PV811-115	35	7.205	4.921	29
PV811-150	40	7.205	4.921	29
PV811-195	45	8.189	5.512	40
PV811-240	50	9.331	6.102	53
PV811-300	55	10.315	6.693	71
PV811-360	60	11.299	7.283	90
PV811-420	65	12.283	8.071	121
PV811-490	70	13.268	8.661	150
PV811-560	75	14.252	9.252	183
PV811-640	80	15.236	9.842	221
PV811-720	85	16.220	10.433	260
PV811-810	90	17.362	11.024	311
PV811-910	95	18.346	11.614	362
PV811-1010	100	19.331	12.205	419
PV811-1110	105	20.315	12.992	505
PV811-1220	110	21.299	13.583	575
PV811-1340	115	22.283	14.173	653
PV811-1450	120	23.268	14.961	767
PV811-1580	125	24.252	15.551	862
PV811-1730	130	25.394	16.142	968
PV811-1860	135	26.378	16.732	1076
PV811-2000	140	27.362	17.323	1193

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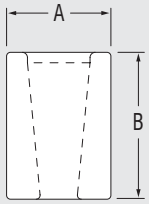

Corrosion Protection:
Hot dip galvanized 80 µm
DIN EN ISO 1461 alternate
spraying galvanized

Field of Application:
Full locked cables, spiral strands

* Available as completed cable only

** Without molten zinc

All dimensions without corrosion protection

GF Cylindrical Sockets with External Thread - Type 812*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A THREAD TYPE	B mm	WEIGHT kg**
PV812-40	21	M70 x 4	108.0	2
PV812-60	26	M85 x 4	133.0	4
PV812-90	31	M100 x 4	158.0	6
PV812-115	35	M115 x 6	183.0	10
PV812-150	40	M115 x 6	183.0	10
PV812-195	45	M130 x 6	208.0	14
PV812-240	50	M145 x 6	237.0	20
PV812-300	55	M160 x 6	262.0	27
PV812-360	60	M175 x 6	287.0	35
PV812-420	65	M195 x 6	312.0	48
PV812-490	70	M210 x 8	337.0	60
PV812-560	75	M225 x 8	362.0	73
PV812-640	80	M240 x 8	387.0	88
PV812-720	85	M255 x 8	412.0	106
PV812-810	90	M270 x 8	441.0	126
PV812-910	95	M285 x 8	466.0	148
PV812-1010	100	M300 x 8	491.0	172
PV812-1110	105	M320 x 8	516.0	209
PV812-1220	110	M335 x 8	541.0	239
PV812-1340	115	M350 x 8	566.0	272
PV812-1450	120	M370 x 8	591.0	321
PV812-1580	125	M385 x 10	616.0	361
PV812-1730	130	M400 x 10	645.0	407
PV812-1860	135	M415 x 10	670.0	454
PV812-2000	140	M430 x 10	695.0	504

Dimensions in Imperial

	mm		in.	lb**
PV812-40	21	M70 x 4	4.252	4
PV812-60	26	M85 x 4	5.236	9
PV812-90	31	M100 x 4	6.220	13
PV812-115	35	M115 x 6	7.205	22
PV812-150	40	M115 x 6	7.205	22
PV812-195	45	M130 x 6	8.189	31
PV812-240	50	M145 x 6	9.331	44
PV812-300	55	M160 x 6	10.315	60
PV812-360	60	M175 x 6	11.299	77
PV812-420	65	M195 x 6	12.283	106
PV812-490	70	M210 x 8	13.268	132
PV812-560	75	M225 x 8	14.252	161
PV812-640	80	M240 x 8	15.236	194
PV812-720	85	M255 x 8	16.220	234
PV812-810	90	M270 x 8	17.362	278
PV812-910	95	M285 x 8	18.346	326
PV812-1010	100	M300 x 8	19.331	379
PV812-1110	105	M320 x 8	20.315	461
PV812-1220	110	M335 x 8	21.299	527
PV812-1340	115	M350 x 8	22.283	600
PV812-1450	120	M370 x 8	23.268	708
PV812-1580	125	M385 x 10	24.252	796
PV812-1730	130	M400 x 10	25.394	897
PV812-1860	135	M415 x 10	26.378	1001
PV812-2000	140	M430 x 10	27.362	1111

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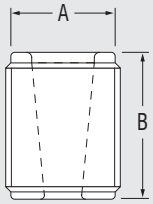

Corrosion Protection:
Hot dip galvanized 80 µm
DIN EN ISO 1461 alternate spraying galvanized, thread bare

Field of Application:
Full locked cables, spiral strands

* Available as completed cable only

** Without molten zinc

All dimensions without corrosion protection

GF Threaded Rods - Type 840*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A THREAD TYPE	B mm	C mm	WEIGHT kg
PV840-40	21	M42 x 3	160.0	65.0	2
PV840-60	26	M52 x 3	180.0	75.0	3
PV840-90	31	M64 x 4	200.0	85.0	5
PV840-115	35	M75 x 4	220.0	95.0	8
PV840-150	40	M75 x 4	220.0	95.0	8
PV840-195	45	M85 x 4	240.0	105.0	11
PV840-240	50	M95 x 4	280.0	125.0	16
PV840-300	55	M108 x 4	310.0	135.0	22
PV840-360	60	M118 x 4	330.0	145.0	28
PV840-420	65	M128 x 4	360.0	160.0	36
PV840-490	70	M140 x 4	380.0	170.0	46
PV840-560	75	M150 x 4	400.0	180.0	56
PV840-640	80	M160 x 4	420.0	190.0	66
PV840-720	85	M172 x 4	450.0	200.0	82
PV840-810	90	M185 x 6	490.0	220.0	104
PV840-910	95	M195 x 6	510.0	230.0	120
PV840-1010	100	M205 x 6	530.0	240.0	138
PV840-1110	105	M215 x 6	570.0	260.0	163
PV840-1220	110	M225 x 6	600.0	275.0	188
PV840-1340	115	M235 x 6	640.0	290.0	218
PV840-1450	120	M245 x 6	670.0	305.0	248
PV840-1580	125	M260 x 6	700.0	320.0	292
PV840-1730	130	M270 x 6	730.0	335.0	328
PV840-1860	135	M280 x 6	760.0	350.0	368
PV840-2000	140	M290 x 6	790.0	365.0	410

Dimensions in Imperial

	mm		in.	in.	lb
PV840-40	21	M42 x 3	6.299	2.559	4
PV840-60	26	M52 x 3	7.087	2.953	7
PV840-90	31	M64 x 4	7.874	3.346	11
PV840-115	35	M75 x 4	8.661	3.740	18
PV840-150	40	M75 x 4	8.661	3.740	18
PV840-195	45	M85 x 4	9.449	4.134	24
PV840-240	50	M95 x 4	11.024	4.921	35
PV840-300	55	M108 x 4	12.205	5.315	49
PV840-360	60	M118 x 4	12.992	5.709	62
PV840-420	65	M128 x 4	14.173	6.299	79
PV840-490	70	M140 x 4	14.961	6.693	101
PV840-560	75	M150 x 4	15.748	7.087	123
PV840-640	80	M160 x 4	16.535	7.480	146
PV840-720	85	M172 x 4	17.716	7.874	181
PV840-810	90	M185 x 6	19.291	8.661	229
PV840-910	95	M195 x 6	20.079	9.055	265
PV840-1010	100	M205 x 6	20.866	9.449	304
PV840-1110	105	M215 x 6	22.441	10.236	359
PV840-1220	110	M225 x 6	23.622	10.827	414
PV840-1340	115	M235 x 6	25.197	11.417	481
PV840-1450	120	M245 x 6	26.378	12.008	547
PV840-1580	125	M260 x 6	27.559	12.598	644
PV840-1730	130	M270 x 6	28.740	13.189	723
PV840-1860	135	M280 x 6	29.921	13.779	811
PV840-2000	140	M290 x 6	31.102	14.370	904

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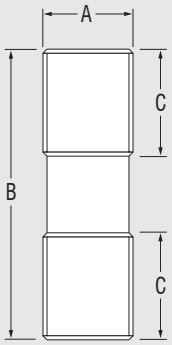

Corrosion Protection:
Bare

Field of Application:
Sockets type 800 PV and 801 PV
Installation by strapwrench/
chain pipe wrench

* Available as completed cable only

All dimensions without corrosion protection

GF Spherical Nuts - Type 813, Spherical Disks - Type 814*

Dimensions in Metric

PRODUCT No.	CABLE Ø	A	B THREAD TYPE	C	D	E	F	NUT WEIGHT	DISC WEIGHT
	mm	mm		mm	mm	mm	mm	kg	kg
PV813 / 814-40	21	105.0	M70 x 4	58.0	25.0	120.0	42.0	2	1
PV813 / 814-60	26	125.0	M85 x 4	66.0	25.0	140.0	51.0	3	1
PV813 / 814-90	31	150.0	M100 x 4	82.0	35.0	165.0	60.0	4	3
PV813 / 814-115	35	170.0	M115 x 6	89.0	35.0	190.0	69.0	6	4
PV813 / 814-150	40	170.0	M115 x 6	89.0	35.0	190.0	69.0	6	4
PV813 / 814-195	45	195.0	M130 x 6	106.0	45.0	215.0	78.0	9	6
PV813 / 814-240	50	215.0	M145 x 6	113.0	45.0	235.0	87.0	13	7
PV813 / 814-300	55	240.0	M160 x 6	130.0	55.0	260.0	96.0	18	10
PV813 / 814-360	60	260.0	M175 x 6	137.0	55.0	280.0	105.0	23	11
PV813 / 814-420	65	290.0	M195 x 6	156.0	65.0	310.0	117.0	31	16
PV813 / 814-490	70	315.0	M210 x 8	163.0	65.0	335.0	126.0	40	19
PV813 / 814-560	75	335.0	M225 x 8	180.0	75.0	355.0	135.0	48	24
PV813 / 814-640	80	360.0	M240 x 8	187.0	75.0	380.0	144.0	60	27
PV813 / 814-720	85	380.0	M255 x 8	204.0	85.0	405.0	153.0	70	36
PV813 / 814-810	90	405.0	M270 x 8	211.0	85.0	430.0	162.0	84	40
PV813 / 814-910	95	425.0	M285 x 8	228.0	95.0	450.0	171.0	97	49
PV813 / 814-1010	100	450.0	M300 x 8	235.0	95.0	475.0	180.0	117	54
PV813 / 814-1110	105	480.0	M320 x 8	253.0	105.0	505.0	192.0	141	67
PV813 / 814-1220	110	500.0	M335 x 8	264.0	105.0	525.0	201.0	162	70
PV813 / 814-1340	115	525.0	M350 x 8	278.0	115.0	550.0	210.0	185	85
PV813 / 814-1450	120	555.0	M370 x 8	286.0	115.0	580.0	222.0	217	92
PV813 / 814-1580	125	575.0	M385 x 10	306.0	125.0	600.0	231.0	244	108
PV813 / 814-1730	130	600.0	M400 x 10	312.0	125.0	630.0	240.0	276	123
PV813 / 814-1860	135	620.0	M415 x 10	329.0	135.0	650.0	249.0	304	139
PV813 / 814-2000	140	645.0	M430 x 10	334.0	135.0	675.0	258.0	340	150

Dimensions in Imperial

	mm	in.		in.	in.	in.	in.	lb	lb
PV813 / 814-40	21	4.134	M70 x 4	2.283	0.984	4.724	1.654	4	2
PV813 / 814-60	26	4.921	M85 x 4	2.598	0.984	5.512	2.008	7	2
PV813 / 814-90	31	5.905	M100 x 4	3.228	1.378	6.496	2.362	9	7
PV813 / 814-115	35	6.693	M115 x 6	3.504	1.378	7.480	2.717	13	9
PV813 / 814-150	40	6.693	M115 x 6	3.504	1.378	7.480	2.717	13	9
PV813 / 814-195	45	7.677	M130 x 6	4.173	1.772	8.465	3.071	20	13
PV813 / 814-240	50	8.465	M145 x 6	4.449	1.772	9.252	3.425	29	15
PV813 / 814-300	55	9.449	M160 x 6	5.118	2.165	10.236	3.780	40	22
PV813 / 814-360	60	10.236	M175 x 6	5.394	2.165	11.024	4.134	51	24
PV813 / 814-420	65	11.417	M195 x 6	6.142	2.559	12.205	4.606	68	35
PV813 / 814-490	70	12.402	M210 x 8	6.417	2.559	13.189	4.961	88	42
PV813 / 814-560	75	13.189	M225 x 8	7.087	2.953	13.976	5.315	106	53
PV813 / 814-640	80	14.173	M240 x 8	7.362	2.953	14.961	5.669	132	60
PV813 / 814-720	85	14.961	M255 x 8	8.031	3.346	15.945	6.024	154	79
PV813 / 814-810	90	15.945	M270 x 8	8.307	3.346	16.929	6.378	185	88
PV813 / 814-910	95	16.732	M285 x 8	8.976	3.740	17.716	6.732	214	108
PV813 / 814-1010	100	17.716	M300 x 8	9.252	3.740	18.701	7.087	258	119
PV813 / 814-1110	105	18.898	M320 x 8	9.961	4.134	19.882	7.559	311	148
PV813 / 814-1220	110	19.685	M335 x 8	10.394	4.134	20.669	7.913	357	154
PV813 / 814-1340	115	20.669	M350 x 8	10.945	4.528	21.653	8.268	408	187
PV813 / 814-1450	120	21.850	M370 x 8	11.260	4.528	22.835	8.740	478	203
PV813 / 814-1580	125	22.638	M385 x 10	12.047	4.921	23.622	9.094	538	238
PV813 / 814-1730	130	23.622	M400 x 10	12.283	4.921	24.803	9.449	608	271
PV813 / 814-1860	135	24.409	M415 x 10	12.953	5.315	25.590	9.803	670	306
PV813 / 814-2000	140	25.394	M430 x 10	13.150	5.315	26.575	10.157	750	331

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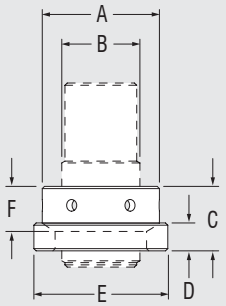

Corrosion Protection:
Hot dip galvanized 80 µm
DIN EN ISO 1461 alternate spraying galvanized, thread bare

Field of Application:
Sockets type 810 PV and 812 PV

* Available as completed cable only

All dimensions without corrosion protection

GF Connecting Plates - Type 842*

Dimensions in Metric

PRODUCT No.	CABLE Ø mm	A mm	B mm	C mm	D mm	E mm	F mm	WEIGHT kg
PV842-40	21	250.0	140.0	20.0	42.0	42.0	90.0	4
PV842-60	26	302.0	166.0	25.0	53.0	47.0	110.0	7
PV842-90	31	362.0	196.0	30.0	64.0	57.0	135.0	12
PV842-115	35	422.0	226.0	40.0	74.0	67.0	160.0	20
PV842-150	40	422.0	226.0	40.0	74.0	67.0	160.0	20
PV842-195	45	470.0	250.0	40.0	85.0	76.0	180.0	28
PV842-240	50	522.0	276.0	50.0	96.0	86.0	200.0	39
PV842-300	55	590.0	310.0	50.0	107.0	91.0	230.0	58
PV842-360	60	642.0	336.0	50.0	118.0	101.0	250.0	75
PV842-420	65	690.0	360.0	60.0	129.0	111.0	270.0	96
PV842-490	70	752.0	396.0	60.0	139.0	121.0	290.0	120
PV842-560	75	820.0	430.0	70.0	150.0	131.0	320.0	156
PV842-640	80	872.0	456.0	70.0	161.0	141.0	340.0	187
PV842-720	85	920.0	480.0	80.0	172.0	145.0	360.0	225
PV842-810	90	972.0	506.0	80.0	183.0	156.0	380.0	264
PV842-910	95	1080.0	560.0	90.0	194.0	165.0	410.0	329
PV842-1010	100	1092.0	566.0	90.0	205.0	175.0	430.0	374
PV842-1110	105	1140.0	590.0	100.0	216.0	185.0	450.0	427
PV842-1220	110	1220.0	630.0	100.0	220.0	191.0	480.0	509
PV842-1340	115	1318.0	684.0	100.0	237.0	205.0	503.0	595
PV842-1450	120	1390.0	720.0	110.0	250.0	210.0	530.0	702
PV842-1580	125	1450.0	750.0	110.0	259.0	220.0	550.0	778
PV842-1730	130	1510.0	780.0	110.0	269.0	230.0	570.0	867
PV842-1860	135	1570.0	810.0	120.0	280.0	240.0	590.0	968
PV842-2000	140	1630.0	840.0	120.0	290.0	250.0	620.0	1108

Dimensions in Imperial

	mm	in.	in.	in.	in.	in.	in.	lb
PV842-40	21	9.842	5.512	0.787	1.654	1.654	3.543	9
PV842-60	26	11.890	6.535	0.984	2.087	1.850	4.331	15
PV842-90	31	14.252	7.717	1.181	2.520	2.244	5.315	26
PV842-115	35	16.614	8.898	1.575	2.913	2.638	6.299	44
PV842-150	40	16.614	8.898	1.575	2.913	2.638	6.299	44
PV842-195	45	18.504	9.842	1.575	3.346	2.992	7.087	62
PV842-240	50	20.551	10.866	1.968	3.780	3.386	7.874	86
PV842-300	55	23.228	12.205	1.968	4.213	3.583	9.055	128
PV842-360	60	25.276	13.228	1.968	4.646	3.976	9.842	165
PV842-420	65	27.165	14.173	2.362	5.079	4.370	10.630	212
PV842-490	70	29.606	15.591	2.362	5.472	4.764	11.417	265
PV842-560	75	32.283	16.929	2.756	5.905	5.157	12.598	344
PV842-640	80	34.331	17.953	2.756	6.339	5.551	13.386	412
PV842-720	85	36.220	18.898	3.150	6.772	5.709	14.173	496
PV842-810	90	38.268	19.921	3.150	7.205	6.142	14.961	582
PV842-910	95	42.520	22.047	3.543	7.638	6.496	16.142	725
PV842-1010	100	42.992	22.283	3.543	8.071	6.890	16.929	825
PV842-1110	105	44.882	23.228	3.937	8.504	7.283	17.716	941
PV842-1220	110	48.031	24.803	3.937	8.661	7.520	18.898	1122
PV842-1340	115	51.890	26.929	3.937	9.331	8.071	19.803	1312
PV842-1450	120	54.724	28.346	4.331	9.842	8.268	20.866	1548
PV842-1580	125	57.086	29.527	4.331	10.197	8.661	21.653	1715
PV842-1730	130	59.449	30.709	4.331	10.591	9.055	22.441	1911
PV842-1860	135	61.811	31.890	4.724	11.024	9.449	23.228	2134
PV842-2000	140	64.173	33.071	4.724	11.417	9.842	24.409	2443

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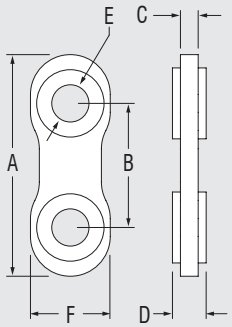


Corrosion Protection:
Hot dip galvanized 80 µm
DIN EN ISO 1461 alternate
spraying galvanized

Field of Application:
Sockets type 802 PV

* Available as completed cable only

All dimensions without corrosion protection

GF Open Bridge Sockets - Type 804*

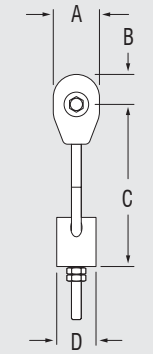
Dimensions in Metric

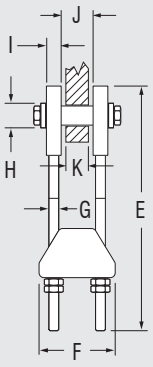
PRODUCT No.	CABLE Ø mm	A mm	B mm	C MIN. mm	C MAX. mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm	K MIN. mm	WEIGHT kg**
PV804-40	21	94.0	61.0	180.0	480.0	80.0	576.0	155.0	20.0	39.0	30.0	65.0	60.0	17
PV804-60	26	110.0	71.0	225.0	525.0	90.0	646.0	190.0	27.0	44.0	40.0	75.0	70.0	30
PV804-90	31	127.0	84.0	270.0	570.0	110.0	704.0	220.0	30.0	54.0	50.0	85.0	80.0	48
PV804-115	35	148.0	96.0	345.0	645.0	130.0	813.0	260.0	42.0	64.0	70.0	95.0	90.0	92
PV804-150	40	148.0	96.0	345.0	645.0	130.0	813.0	260.0	42.0	64.0	70.0	95.0	90.0	92
PV804-195	45	165.0	108.0	390.0	690.0	150.0	881.0	290.0	48.0	73.0	70.0	120.0	110.0	126
PV804-240	50	200.0	128.0	425.0	725.0	160.0	945.0	325.0	52.0	83.0	80.0	130.0	120.0	176
PV804-300	55	215.0	137.0	470.0	870.0	180.0	1108.0	350.0	56.0	88.0	80.0	150.0	140.0	224
PV804-360	60	230.0	147.0	515.0	915.0	200.0	1172.0	380.0	60.0	98.0	90.0	160.0	150.0	293
PV804-420	65	250.0	160.0	560.0	960.0	220.0	1243.0	420.0	68.0	108.0	100.0	175.0	165.0	388
PV804-490	70	270.0	173.0	605.0	1005.0	240.0	1310.0	450.0	72.0 x 6	118.0	110.0	180.0	175.0	493
PV804-560	75	290.0	187.0	645.0	1045.0	250.0	1364.0	480.0	76.0 x 6	128.0	110.0	210.0	205.0	573
PV804-640	80	310.0	201.0	690.0	1190.0	260.0	1531.0	510.0	80.0 x 6	138.0	120.0	230.0	225.0	732
PV804-720	85	330.0	215.0	730.0	1230.0	300.0	1592.0	550.0	85.0 x 6	142.0	120.0	255.0	250.0	862
PV804-810	90	350.0	229.0	770.0	1270.0	320.0	1654.0	580.0	90.0 x 6	153.0	130.0	270.0	265.0	1037
PV804-910	95	370.0	243.0	825.0	1325.0	340.0	1743.0	630.0	100.0 x 6	162.0	140.0	285.0	280.0	1309
PV804-1010	100	390.0	257.0	870.0	1370.0	350.0	1809.0	650.0	105.0 x 6	172.0	150.0	290.0	285.0	1463

Dimensions in Imperial

	mm	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	lb**
PV804-40	21	3.701	2.402	7.087	18.898	3.150	22.677	6.102	0.787	1.535	1.181	2.559	2.362	37
PV804-60	26	4.331	2.795	8.858	20.669	3.543	25.433	7.480	1.063	1.732	1.575	2.953	2.756	66
PV804-90	31	5.000	3.307	10.630	22.441	4.331	27.716	8.661	1.181	2.126	1.968	3.346	3.150	106
PV804-115	35	5.827	3.780	13.583	25.394	5.118	32.008	10.236	1.654	2.520	2.756	3.740	3.543	203
PV804-150	40	5.827	3.780	13.583	25.394	5.118	32.008	10.236	1.654	2.520	2.756	3.740	3.543	203
PV804-195	45	6.496	4.252	15.354	27.165	5.905	34.685	11.417	1.890	2.874	2.756	4.724	4.331	278
PV804-240	50	7.874	5.039	16.732	28.543	6.299	37.205	12.795	2.047	3.268	3.150	5.118	4.724	388
PV804-300	55	8.465	5.394	18.504	34.252	7.087	43.622	13.779	2.205	3.465	3.150	5.905	5.512	494
PV804-360	60	9.055	5.787	20.276	36.024	7.874	46.142	14.961	2.362	3.858	3.543	6.299	5.905	646
PV804-420	65	9.842	6.299	22.047	37.795	8.661	48.937	16.535	2.677	4.252	3.937	6.890	6.496	855
PV804-490	70	10.630	6.811	23.819	39.567	9.449	51.575	17.716	2.835 x 6	4.646	4.331	7.087	6.890	1087
PV804-560	75	11.417	7.362	25.394	41.142	9.842	53.701	18.898	2.992 x 6	5.039	4.331	8.268	8.071	1263
PV804-640	80	12.205	7.913	27.165	46.850	10.236	60.275	20.079	3.150 x 6	5.433	4.724	9.055	8.858	1614
PV804-720	85	12.992	8.465	28.740	48.425	11.811	62.677	21.653	3.346 x 6	5.591	4.724	10.039	9.842	1900
PV804-810	90	13.779	9.016	30.315	50.000	12.598	65.118	22.835	3.543 x 6	6.024	5.118	10.630	10.433	2286
PV804-910	95	14.567	9.567	32.480	52.165	13.386	68.622	24.803	3.937 x 6	6.378	5.512	11.220	11.024	2886
PV804-1010	100	15.354	10.118	34.252	53.937	13.779	71.220	25.590	4.134 x 6	6.772	5.905	11.417	11.220	3225

PFEIFER





Corrosion Protection:
Hot dip galvanized 80 µm DIN EN ISO 1461 alternate spraying galvanized, thread bare

Socketing:
According Technical Approval Z-14.7-413

* Available as completed cable only

** Without molten zinc

All dimensions without corrosion protection

IMPORTANT CUSTOMER INFORMATION

CUSTOMER CONSIDERATIONS

Factor of Safety

An appropriate factor of safety should be applied to Breaking Load (B.L.) figures to suit each application before choosing or specifying a particular product. For many industrial and safety related applications, a factor of safety greater than two (2) should be used or may be required by law or other regulations. It is the customer's responsibility to ensure that an appropriate factor of safety is used, and it should allow for safety implications, service life, fatigue (as may be caused by wind stresses or repetitive cyclical loading), type of load, exposure to ultraviolet light, corrosion and stress corrosion (such as in high humidity or chlorine environments). Note that a 'safe working load' is not specified as this is dependent on the factor of safety, which must be determined by the user relative to each application.

Useful Life

The useful life of any product is determined by the above factors and must be assessed in each application, and thus no guarantee can be provided for product life, load capacity or any other factor due to the variability in usage. In some jurisdictions government regulations require the replacement of rigging components within certain periods of time, usually every three to five years. You must ascertain whether any such regulations affect you. While every precaution is taken in the product design and manufacturing processes to minimize the effects of corrosion and stress corrosion, there are also preventative as well as corrective treatments that can be carried out after installation. Contact your local representative for further assistance and advice.

Product Information Amendments

All catalogue information is subject to specification changes during a product's life-cycle. Any alterations will be posted on the Website: - **www.ronstan.com** which should be considered the most up to date source of product information.

DEFINITIONS

Maximum Working Load (M.W.L.)

Maximum Working Load (M.W.L.) is the maximum static and/or dynamic load at which the product will still function without excessive friction, distortion, wear or permanent deformation of components. Above this load, bearing systems may fail, moving parts may seize and stainless steel or plastic components may begin to bend, stretch or otherwise deform. Maximum working loads should never exceed half of the breaking load, and should never be exceeded in use.

Breaking Load (B.L.)

Breaking Load (B.L.) is the load at, or around which, a major failure can be expected to occur to some part of the product's structure when new. Plastic components may split, rivets may give way, shackles may break, and other metallic components may fracture. No product should be used at more than half of the breaking load, so as to provide a minimum safety factor of two (2).

WARRANTY

In addition to your rights implied by law, the goods manufactured or sold are warranted to be free of defects in materials or workmanship for three (3) years from the date of purchase by the original purchaser except that:

- This warranty shall not apply to any product which has been improperly fitted, improperly maintained, or used in any application for which it was not intended.
- This warranty shall not apply to normal wear which can reasonably be expected in normal use of the product.
- No warranties are made that any products are fit for a particular purpose.
- The liability shall be limited to the repair or replacement, at the manufacturer's discretion, of the defective goods.
- The useful life of any rigging product is determined by the above factors and must be assessed in each application, and thus no guarantee can be provided for product life, load capacity or any other factor due to the variability in usage.

www.ronstan.com

Ronstan also specializes in providing architectural products for:

- Structural Rod applications
- Cable Nets
- Balustrade Cables
- Greening Cables
- Facade Cables

Contact us for catalogues or further information

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