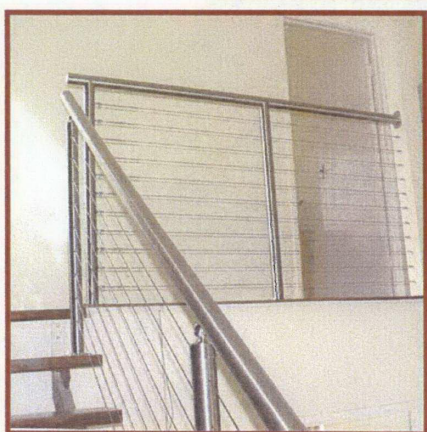


SWR

**The Original Assembly System For
Stainless Steel Tubes And Fittings**



Full Range Catalogue

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Toughened glass system.



Garden handrail.



Terrace.

Liability

Given the multitude of legislations, we cannot accept liability for the compliance of our products to local building regulations. We therefore would like to draw your attention to the fact that it is always the customer who is responsible for observing the existing legal regulations.

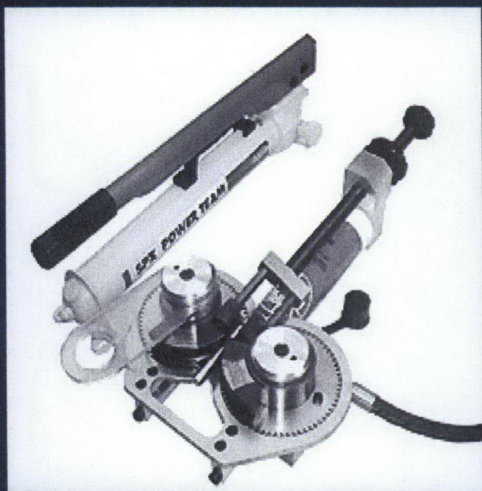


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Stainless Steel Rope Swage Fittings & Self Assembly Fittings

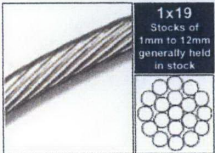
**Steel Wire Rope Ltd
3/4 Eastman Way
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HP2 7DU**



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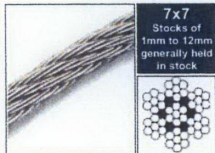
Stainless Steel Wire Ropes



1x19
Stocks of
1mm to 12mm
generally held
in stock

Wire Diameter mm	Approximate Mass kg/100m	Minimum breaking force kN
2	1.95	3.14
2.5	3.05	4.9
3	4.39	7.06
4	7.81	12.6
5	12.2	19.6
6	17.6	28.2
7	23.9	34.8
8	31.2	45.5
9	39.5	57.6
10	48.8	71.1
11	59.1	86
12	70.3	102

1x19 has the most aesthetically pleasing appearance and is the preferred choice for most balustrade requirements. Also used for standing rigging, it is unsuitable for applications requiring flexibility. 1 x 19 has the highest breaking load and the lowest stretch characteristics of the three constructions.



7x7
Stocks of
1mm to 12mm
generally held
in stock

Wire Diameter mm	Approximate Mass kg/100m	Minimum breaking force kN
2	1.61	2.37
2.5	2.36	3.71
3	3.4	5.34
4	6.05	9.4
5	9.47	14.8
6	13.6	21.4
7	18.5	29.1
8	24.2	38
9	30.6	47
10	37.8	58.3
11	45.8	70.2
12	54.5	85.4

7x7 is more flexible than 1x19 and ideal for applications where some flexibility is required along with a high breaking load. 7x7 is suitable for a variety of applications. Breaking load, stretch and flexibility characteristics fall between those of 1x19 and 7x19.



7x19
Stocks of
1mm to 12mm
generally held
in stock

Wire Diameter mm	Approximate Mass kg/100m	Minimum breaking force kN
2	1.49	2.70
2.5	2.33	4.20
3	3.34	6.00
4	5.94	8.89
5	9.3	13.9
6	13.4	20.0
7	18.2	27.3
8	23.8	35.6
9	30.2	45.0
10	37.2	55.6
11	48.0	66.6
12	53.6	80.0

7x19 is the most flexible stainless steel wire rope. Perfect for applications where the rope needs to bend such as curved balustrades and running rigging. 7x19 is the riggers choice for producing ropes with thimble eyes.

Full technical specifications can be obtained from the balustrade section on www.steelwirerope.com.

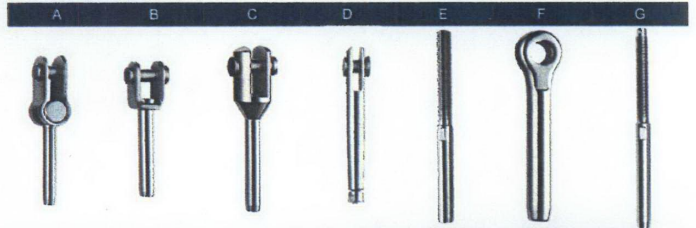
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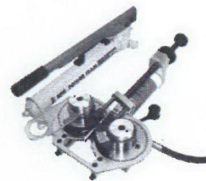
Swage Fittings



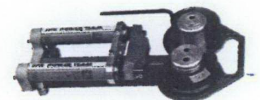
Terminal Description	Size Range	
A Swage Strap Toggle	Rope 3 to 14mm. Fork width 6.4 to 22.2mm. Pin dia. 6.4 to 21.5mm	When swaged correctly these fittings exceed the breaking load of the stainless steel wire rope. Manufactured from polished stainless steel. Toggle termination allows full articulation in two planes.
B Swage Fork - 2 Part	Rope 4 & 5mm. Fork width 11.1mm. Pin dia. 7.7mm	
C Swage Fork - Machined	Rope 3 to 26mm. Fork width 6.4 to 34.9mm. Pin dia. 6.2 to 34.6mm	
D Swage Tension Fork	Rope 3 to 6mm. Fork width 6.4 to 11.1mm. Pin dia. 6.3 to 10.9mm	
E Swage Stud - Closed Body	Rope 3 to 25mm. Thread M6 to M36	
F Swage Eye	Rope 3 to 26mm. Eye dia. 6.4 to 35mm	
G Swage Stud - Open Body	Rope 3 to 26mm. Thread 1/2" UNF to 1 1/2" UNF	

All of our stainless steel fittings can be pre-fitted to wire ropes at our factory in Hemel Hempstead. We have roller swaging machines available for hire to produce assemblies on site. These machines are also available for sale at extremely competitive prices.

Swaging machines available. Swage up to 38mm dia. rope. Please call for price and availability.



A100 (Shown Above)
Swaging range: 1.6 mm (5/16 in) - 8 mm (5/16 in)
Dimensions: L 500 mm (19.3 in) x W 230 mm (9.1 in) x H 140 mm (5.5 in)
Weight: 19.5 kg (43 lbs)



A353 (Shown Above)
Swaging range: Swaging range 2.5 - 16 mm (3/32 - 5/8 in)
Dimensions: L 1117 mm (44 in) x W 375 mm (14.34 in) x H 177 mm (7 in)
Weight: 65 kg (143 lbs)

Full technical specifications can be obtained from the balustrade section on www.steelwirerope.com.

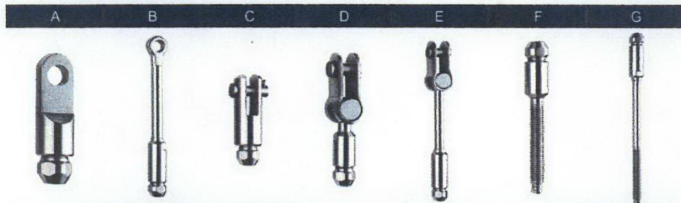
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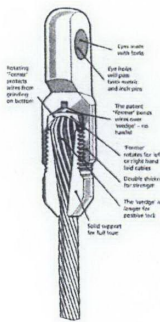
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Self Fit Fittings



Terminal Description	Size Range	
A Self Fit Eye	Rope 3 to 26mm - Hole dia. 6.5 to 34.9mm	The system is a simple mechanical method of terminating wire ropes. Hand fitted instead of machine swaged, they can be fitted on site using simple hand tools. Manufactured from polished stainless steel.
B Self Fit Long Eye	Rope 5 to 12mm - Hole dia. 9.8 to 19.5mm	
C Self Fit Fork	Rope 3 to 26mm - Fork width 5.5 to 34.9mm	
D Self Fit Toggle	Rope 4 to 12mm - Fork width 8.4 to 19.1mm	
E Self Fit Long Toggle	Rope 4 to 12mm - Fork width 8.4 to 19.1mm	
F Self Fit Stud	Rope 3 to 26mm - Thread M6 to M36	
G Self Fit Long Stud	Rope 4 to 12mm - Thread M6 to M20	

The self assembly system is a simple mechanical method of terminating 1x19, 7x7, 7x19 and compacted strand wire ropes.



Hand fitted instead of machine swaged.

The self assembly terminal can be fitted on site using very simple hand tools.

These fittings will work under constant loading and variable shock loading.

In all situations these terminations have proven to be totally reliable.

Reusable
Manufactured from 316 stainless steel. All these fittings are reusable* requiring no servicing, providing long life and very low maintenance costs.

* A new wedge component must be used

Step 1

Cut wire rope

Tip: If using a hacksaw to cut the rope. Wrap tape around the rope and cut through the tape.



Step 2

Slide socket component over wire

Tip: Use tape to stop socket sliding down rope.



Step 3

Unravel outer strands 2 to 3" to expose central core

Tip: Use penknife to prise initial strands out of position from core.



Step 4

Slide wedge component over central core of wire rope.



Step 5

Reposition outer strands

Turn outer strands either clockwise or anti-clockwise depending on the lay of the wire, around the wedge. Ensure approx 1/8" of the central core protrudes from the wedge. Outer strands should be evenly situated around the wedge.



Step 6

Final assembly

Ensure former component sits in bottom of end fitting. Screw socket assembly into end fitting and tighten with spanners. The assembly is now complete.



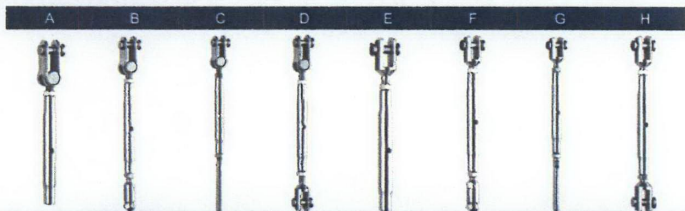
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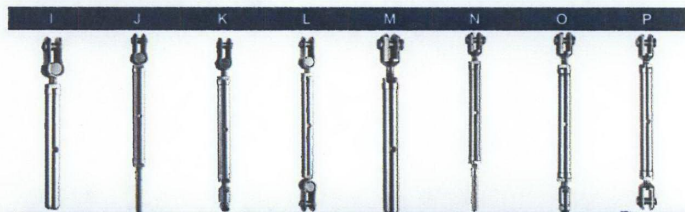
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Standard Turnbuckles



Description	Size Range	
A Blank and Toggle	Thread M6 to M10. Toggle width 6.4 to 9.5mm. Pin dia. 6.4 to 9.5	These machined fittings are manufactured from polished stainless steel. High quality products not to be compared to inferior imports.
B Self Fit and Toggle	Wire 3 to 6mm. Toggle width 6.4 to 9.5mm. Pin dia. 6.4 to 9.5	
C Swage and Toggle	Wire 3 to 6mm. Toggle width 6.4 to 9.5mm. Pin dia. 6.4 to 9.5mm	
D Fork and Toggle	Thread M6 to M10. Fork width 6.4 to 9.5. Pin dia. 6.2 to 9.3mm	
E Blank and Fork	Thread M6 to M10. Fork width 6.4 to 9.5mm. Pin dia. 6.2 to 9.3mm	
F Self Fit and Fork	Wire 3 to 6mm. Fork width 6.4 to 9.5mm. Pin dia. 6.2 to 9.3mm	
G Swage and Fork	Wire 3 to 6mm. Fork width 6.4 to 9.5mm. Pin dia. 6.2 to 9.3mm	
H Fork and Fork	Thread M6 to M10. Fork width 6.4mm to 9.5mm. Pin dia. 6.2 to 9.3mm	

Supajust Turnbuckles



Supajust Description	Size Range	Range Description
I Blank and Toggle	Thread M10 to M22. Toggle width 9.9 to 22.2mm. Pin dia. 9.5 to 21.5mm	High quality Supajust stainless turnbuckles machined from 316 grade stainless steel.
J Swage and Toggle	Wire 5 to 14mm. Toggle width 9.9 to 22.2mm. Pin dia. 9.5 to 21.5mm	
K Self Fit and Toggle	Wire 5 to 14mm. Toggle width 9.9 to 22.2mm. Pin dia. 9.5 to 21.5mm	
L Toggle and Toggle	Thread M10 to M22. Toggle width 9.9 to 22.2mm. Pin dia. 9.5 to 21.5mm	Special bronze threaded inserts ensure easy adjustment and the tapered nut provides a quick and effective anti-vibration, eliminating spill pins. Aesthetically pleasing these are often selected for applications requiring high quality and appearance.
M Blank and Fork	Thread M10 to M36. Fork width 9.5 to 34.9mm. Pin dia. 9.3 to 34.6mm	
N Swage and Fork	Wire 5 to 26mm. Fork width 9.5 to 34.9mm. Pin dia. 9.3 to 34.6mm	
O Self Fit and Fork	Wire 5 to 26mm. Fork width 9.5 to 34.9mm. Pin dia. 9.3 to 34.6mm	
P Fork and Fork	Thread M10 to M36. Fork width 9.5 to 34.9mm. Pin dia. 9.3 to 34.6mm	

Full technical specifications can be obtained from the balustrade section on www.steelwirerope.com.