

THIMBLES / WIRE ROPE GRIPS

Nylon Fibre Rope Thimbles

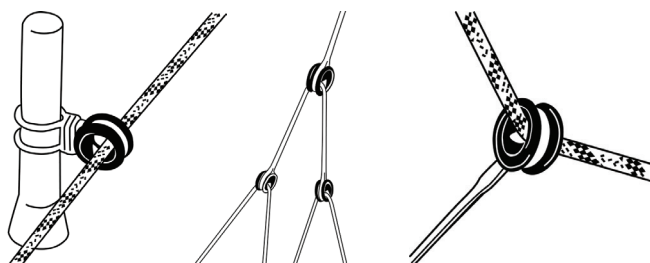
A lighter and quieter option for use with braided and three strand fibre ropes.



code	internal length	internal width	rope ø	price
WIRED804	20mm	11mm	4mm	£0.86
WIRED806	27mm	15mm	6mm	£1.20
WIRED808	38mm	22mm	8mm	£1.32
WIRED810	48mm	27mm	10mm	£1.35
WIRED812	53mm	29mm	12mm	£1.52
WIRED814	57mm	32mm	14mm	£1.64
WIRED816	67mm	40mm	16mm	£1.96

Barton High Load Eyes

Manufactured from marinegrade aluminium and finished in Barton's unique hard "Spectro" grey anodising. When used in conjunction with a Dyneema loop they make powerful Barber Haulers or brailing devices with minimal weight. They can also be used as purchase blocks for tensioning.



code	weight	external ø	rope ø	bore ø	price
BAR60452	24g	38mm	10mm	16mm	£13.27

Black Thimbles

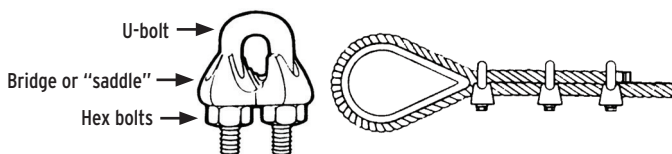
Use for making thimble eyes in black fibre ropes or our popular blackened steel wire rope. Manufactured to DIN 6899



code	internal length	internal width	rope ø	price	100+
WIR903B	19mm	12mm	3mm	£0.27	£0.24
WIR904B	20mm	13mm	4mm	£0.29	£0.26
WIR905B	22mm	13mm	5mm	£0.33	£0.30
WIR906B	26mm	16mm	6mm	£0.39	£0.39
WIR908B	32mm	19mm	8mm	£0.45	£0.41

WIRE ROPE GRIPS

"Dogs" provide a simple and effective means of making a loop or a thimble eye in wire rope. They consist of a U-bolt, bridge [also known as the "saddle"] and two hex nuts. The U-bolt should be fitted over the nonload bearing [short] tail of the loop [also known as the "dead" end hence "dead horse"]; the bridge over the load bearing longer part. Remembered by the mnemonic: "Never saddle a dead horse". The hex nuts should be tightened equally, using a nutspinner or a torque wrench as advised. The grips will settle after a while so they should be retightened to ensure the correct torque is maintained. Any PVC covering to wire rope must be stripped before applying the dogs. For heavier loads and when lifting always use grips to EN 13411-5 [DIN 1142] or Crosby Grips. Wire Rope Grips are also occasionally known as "Bulldog Clips".

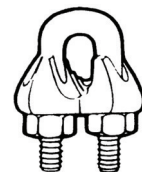


Rope Size	Number of Rope Grips	Rope Fall Length
3 - 5mm	3	150mm
6mm	3	180mm
8mm	4	280mm
10mm	4	320mm

WIRE ROPE GRIPS – DOGS

Commercial Galvanised Wire Rope Grips [DIN 741]

Provide a simple, effective and economical means of making a loop or a thimble eye in wire rope. Consists of U-bolt, bridge and two hex nuts. The hex nuts should be tightened equally, using a nutspinner. For heavier loads or for lifting purposes use grips to EN 13411-5 [DIN 1142] or Crosby Grips .



code	grip size	nut size	wire rope ø	price	100+
WIR161	1/8"	7mm	3 -4mm	£0.24	£0.18
WIR163	3/16"	8mm	5mm	£0.28	£0.18
WIR165	1/4"	8mm	6mm	£0.33	£0.21
WIR167	5/16"	10mm	8mm	£0.35	£0.30
WIR169	3/8"	14mm	10mm	£0.39	£0.32

Galvanised Wire Rope Grips EN 13411-5 [DIN 1142]

These grips are of slightly heavier construction and the hex nuts are flanged. The scope of DIN 1142 only starts at 5 mm so if you are using wire-rope grips for lifting purposes with smaller wires it would be worth considering using the Crosby Grips which are listed on the next page. For torque wrenches see alongside .



code	nut size	wire rope ø	torque	price	100+
WIR163D	8mm	5mm	2Nm	£0.30	£0.24
WIR165D	10mm	6.5mm	3.5Nm	£0.32	£0.29
WIR167D	10mm	8mm	6Nm	£0.51	£0.46
WIR169D	13mm	10mm	9Nm	£0.58	£0.52

Stainless Steel Wire Rope Grips

These highly polished grips are designed for use with stainless steel wire rope. The 2 mm size is one of our best-selling grips. Made from 316 marinegrade stainless steel.



code	nut size	wire rope ø	price
WIR160	5.5mm	2mm	£1.14
WIR1601	7mm	3mm	£1.33
WIR1602	7mm	4mm	£1.76
WIR1603	8mm	5mm	£1.26
WIR1604	8mm	6mm	£1.52
WIR1605	10mm	8mm	£1.90

Forged Crosby Wire Rope Grips [G450]

The Federal Specification FF-C-450 Type 1 Class 1 covers wire rope grips which are 6 mm and over. This specification exceeds ISO DIN 1142. Crosby grips 6 mm and upwards comply with the specification. The smaller grips would comply if the specification had a wider scope. Each forged base has a product identification code. The grips are individually bagged with full instructions and they are fitted with a red U-bolt for instant visual recognition. For torque wrenches see below.



code	nut size	wire rope ø	no of grips	turnback	price
CRO4501	3/8"	3 - 4mm	3	83mm	£4.08
CRO4502	7/16"	5mm	3	95mm	£4.32
CRO4503	9/16"	6mm	3	120mm	£5.88
CRO4505	3/4"	10mm	3	165mm	£7.21

NUTSPINNERS AND TORQUE WRENCHES

Nutspinners

By far the fastest way to hand fasten small nuts. Useful for all sorts of fiddly applications and frequently purchased for tightening the fiddly nuts on wire rope grips. Top quality German manufacture. Picture shows the Flexi version - WER028150.

* Insufficient clearance between nuts to finally tighten down.



code	commercial type	din 1142	crosby	size	price
TOL1600	2 mm SS*mm	n/a	n/a	5.5mm	£10.78
TOL1597	3-4 mm and 3 mm SSmm	n/a	n/a	7mm	£10.77
WER028150	3-4 mm and 3 mm SSmm	n/a	n/a	7mm Flexi Shaft	£15.63
TOL1598	5-6 mmmm	5mm	n/a	8mm	£11.28
TOL1599	8 mmmm	6mm	3-4 mm*	10mm	£17.51

Torque Wrenches

To obtain efficiency ratings of 80% of the breaking load of the wire rope, dogged terminations have to be properly tightened and re-tightened after proof loading. Use the Norbar Torque Wrench for DIN 1142 dogs from 5 - 10 mm [length: 230mm]. The Roebuck wrench covers the torques for the larger dogs that we stock. For sockets and socket adapters see page 344.



code	Type	drive	torque min	torque max	price
TOL13830	Norbar TTi 20 1/4"	1/4"	4Nm	20Nm	£99.85
TOL15015	Roebuck Professional	1/2"	20Nm	100Nm	£155.80

GRIPPLES

Gripples - Lockable

Innovative lockable system for securing wire rope - quickly!

The Lockable Gripple makes catenary* and bracing wire rope installation easier and faster. Working on the same principle as the original standard Gripple, but with the additional feature of locking screws for extra security under outdoor conditions.

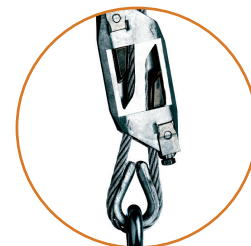
- ✓ Simple push fit assembly
- ✓ Automatic locking wedges
- ✓ Easy tensioning
- ✓ Secure locking screws
- ✓ The Lockable Gripple can be used with galvanised steel core and stainless steel core wire rope
- ✓ Ideal for overhead catenary wires* and promenade lighting*, aerial and marquee bracing, shade cloth bracing, tree bracing
- ✓ Exhibition Hall displays

Each bag is supplied with a simple "L" shape setting key

NB: Safety factor on the Gripple Lockable is 4:1. Locking screws should always be used. Never tension with locking screws in place.

Do not reuse, for single use only. Always ensure 200 mm tail is left protruding from the Gripple prior to tensioning. When installing around structure, the distance between the Gripple and the structure should equal or exceed the width of the structure. Load ratings are based on a vertical suspension. When hanging at angles the load ratings are reduced. Do not use at an angle exceeding 60° as the load rating is reduced by 50%. Do not use for lifting, such as crane or pulley applications.

*If being used for catenary purposes, a full understanding of the forces imposed by applying weight to wires stretched between two horizontal points is needed. Very high loads can be imposed by adding weight to long wires stretched between two points. The loads can be greatly reduced by allowing the wire to sag by 10° or more from the horizontal. If in doubt seek the advice of a structural engineer. Use a 5.5 mm nutspinner to lock off the Gripples from 2-5 mm and an 8 mm nutspinner to lock the 6 mm version.



code	Constr.	qty per bag	wire rope ø	vertical WLL	per bag	16+
WIR182L	7 x 7	10	2mm	70kg	£96.44	£74.42
WIR183L	7 x 7, 7 x 19	10	3mm	150kg	£96.44	£74.42
WIR184L	7 x 19	5	4mm	300kg	£50.30	£40.41
WIR185L	7 x 19	5	5mm	400kg	£50.30	£40.41
WIR186L	7 x 19	4	6mm	500kg	£67.34	£50.51



code	description	suits gripple	price
WIRKEYFLAG	Gripple key size A	2 and 3mm	£1.87
WIRKEYHF45LK	Gripple key size B	4, 5 and 6mm	£3.13