



ROPE INNOVATION

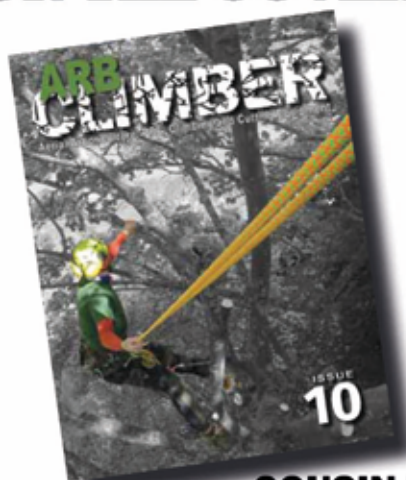


TREE WORK

Personal protective equipment
Rigging
Bracing
Throwline
Accessories



ON THE COVER



SPECIFICATIONS

Diameter:	11.6 mm 0.45"
Weight:	102 g/m 6.8 lb/100'
Core:	45 %
Sheath:	55 %
No of falls:	8
Impact force:	520 daN 1169 lbf
Strands:	24
Static elongation:	2.8 %
Suppleness:	1.03
MBS:	3070 daN 6901 lbf
MBS (with fig 8 knot):	>1500 daN 3372 lbf
Shrinkage in water:	0.5 %
Material:	100 % polyester
Cost:	€3.68/m
www:	cousin-trestec.com

www.arbclimber.com

- pulley/lowering/progress capture devices, like the MPD or SMC Advance HX and Petzl Traxions,
- belay/progress capture/descenders like the GriGri and Taz Love and
- ascend/descend capable multiscenders like the ZigZag, RopeRunner and Unicender.

This is a noticeably softer rope than SRT aficionados are used to with an average 32-braid semi-static but

will feel familiar to DdRT/Doubled Rope Technique users which, not so long ago, would have been the vast majority of arborists. Actually we should maybe be using the latest definition Moving Rope Technique/MRT to cover DdRT? We'll wait and see if it catches on before we switch.

COUSIN-Trestec ATRAX 11.6mm

Since commissioning this cover we've seen the rope-coloured-B&W background thing all over the place so it

may not seem as unique but it's still quite distinctive. Anyway, the rope is Cousin-Trestec's ATRAX and it's particularly applicable to this issue because it's designed for use with mechanical devices like the Zig-Zag, Unicender and Spiderjack as well as prusik hitch systems. It is a 24-plait, double braid made entirely of polyester. That should satisfy some of the multiscenders we've covered in this issue's GUIDE because at least one manufacturer says that their device should only be used with a 24 plait in preference to a 32 braid more usually associated with semi-static SRT ropes. ATRAX is 11.6mm which is unusual for a metric rope falling somewhere between a 7/16" and 1/2" but largely consistent with the optimum size for most hybrid hardware. And by 'hybrid', which seems to be a universal catchword in the current decade, we mean:

Back to the Atrax and it's made by French manufacturer Cousin-Trestec who we are familiar with having used Cousin 10.5mm ropes for caving since the 80s and even then we appreciated its more softer handling than our Edelrid Superstatics which could perform an Indian-rope-trick after a few uses. So Cousin has a helluva track record in ropes even if you're unfamiliar with them in the arb industry. They state that Atrax will not take on water and swell which would adversely affect how it works in a hitch or in hardware. They also state that Atrax has a patented splice (see inset pic below) - not sure what makes that patentable but it is lower profile than most, so much so that you can easily push it through the eye of end-feeding devices like ZigZag. They demonstrate a handy plastic 'needle' with cord loop that they choke through the eye of the rope and thread THAT through any required eye before pulling the spliced eye through afterwards.

I expect you already knew about this but I didn't and it does seem far more effective than my method which is to try and ram the spliced eye through, curse and swear then throw the device on the floor in disgust and grab a mid-line attachable device.

Atrax is CE1891 compliant as you would expect, is available by the metre or in lengths up to 60m/196ft and colours are either a fetching orange & green or the same design in blue and yellow.



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Arborists appreciate the comfort, safety and efficiency **Cousin Trestec** ropes provide.

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ATRAX 11.6 MM

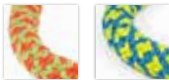
Ref. 1781

- Ø 11.6 mm climbing rope dedicated to arboriculture.
- CE EN 1891 Certified.
- Splice upon request.

- **Advantages** No sheath slippage. Diameter does not increase with water. New patented splice specially developed for application with mechanicals Prusik and cams*. This rope runs smoothly and its lifespan is exceptional.

- **Component** 100% polyester
- **Packaging** 20 m to 60 m units or long lengths.

- **Colors**



*See **Rope Feed** p.19

New patented splice
for use with mechanical
Prusik and cams.



SPECIFICATIONS

Type	A
Diameter under 10 kg load	11.6 mm
Mass/meter under 10 kg load	102 g/m
% Core	45%
% Cover	55%
Number of falls	8
Impact force	520 daN
Number of plait	24
Elongation from 50 to 150 kg	2.8%
Knotability	1.03
Breaking strength	3,070 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	0.5%

BLACK WIDOW 12.2 MM

Ref. 1777

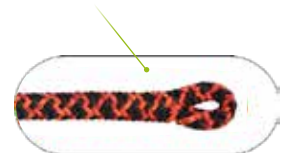
- Ø 12.2 mm climbing rope dedicated to arboriculture.
- CE EN 1891 Certified.
- Splice upon request.

- **Advantages** A new generation rope, thinner and lighter. No sheath slippage, no elongation in time. The diameter does not increase with water.
- **Component** 100% polyester
- **Packaging** 20 m, 60 m or long length reels.

- **Colors**



New patented splice
for use with mechanical
Prusik and cams.

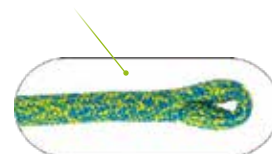


SPECIFICATIONS

Type	A
Diameter under 10 kg load	12.2 mm
Mass/meter under 10 kg load	105 g/m
% Core	41.2%
% Cover	58.8%
Number of falls	≥ 5
Impact force	570 daN
Number of plait	16
Elongation from 50 to 150 kg	2.5%
Knotability	0.70
Breaking strength	3,010 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	0.2%



New patented splice
for use with mechanical
Prusik and cams.



LIGNUM 12.5 MM

Ref. 1783

- Ø 12.5 mm climbing rope dedicated to arboriculture.
- CE EN 1891 Certified.
- Splice upon request.

- **Advantages** Great flexibility, very pleasant grip.
No sheath slippage.
Diameter does not increase with water.
New patented splice especially developed for application with descenders (see Rope feed).
- **Component** 100% polyester high tenacity.
- **Packaging** 3 m to 60 m lengths units or long lengths reels.

- **Colors**



SPECIFICATIONS

Type	A
Diameter under 10 kg load	12.5 mm
Mass/meter under 10 kg load	115 g/m
% Core	38.4%
% Cover	61.6%
Number of falls	> 5
Impact force	530 daN
Number of plait	24
Elongation from 50 to 150 kg	3.1%
Knotability	0.9
Breaking strength	3,460 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	0.1%



RUSH 11 MM

Ref. 1435

- Semi-static rope Ø 11 mm.
- CE EN 1891 Certified.

- **Advantages** High breaking strength, soft and easy to handle. Excellent grip.
- **Component** 100% polyamide high tenacity.
- **Packaging** 60 m lengths units or long lengths reels.

- **Colors**



SPECIFICATIONS

Type	A
Diameter under 10 kg load	11 mm
Mass/meter under 10 kg load	74 g/m
% Core	61%
% Cover	39%
Number of falls	40
Impact force	580 daN
Number of plait	32
Elongation from 50 to 150 kg	1.8%
Knotability	1.1
Breaking strength	3,290 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	2.5%

10 MM ANTI-FUSION

Ref. CT227710

- Ø 10 mm Prussik.
- CE EN 354 Certified.

- **Application** With two sewn loops, this rope for friction hitches is used to control the descent when working on the tree.
- **Avantage** Exceptional resistance to fusion thanks to the Technora® / polyester cover.
- **Component** Technora® / polyester on polyamide core.
- **Packaging** 70 cm, 90 cm or pre-cut lengths on request.

- **Color**



SPECIFICATIONS

Diameter	10 mm
Weight	68.7 g/m
Breaking strength on sewing	> 2,200 daN
Knotability	0.76

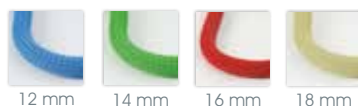
RIGGING

LOWERING LINE BRAIDLINE

Ref. 0961

- Ø 12 mm, 14 mm, 16 mm and 18 mm lowering line.
- 16 plaits braided cover.
- Splice upon request.
- **Advantages** Great resistance to abrasion thanks to the reinforced cover (50% cover on 50% core). Recommended splice easy to achieve. High breaking strength.
- **Component** Core and cover 100% polyester.
- **Packaging*** 40 m or 65 m or long lengths sold with a storage bag.

- **Colors**



SPECIFICATIONS

Ø mm	Breaking strength daN	Weight g/m
12	2 900	106
14	4 400	142
16	5 900	179
18	7 800	237

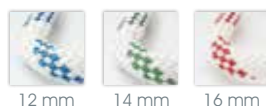
CORTEX

Ref. 0790

- Ø 12 mm, 14 mm and 16 mm lowering rope.
- 32 plaits braided cover.
- Stitched eye upon request.

- **Advantage** Very high breaking strength.
- **Component** Polyester.
- **Packaging** 40 m or 65 m or long lengths.

- **Colors**



SPECIFICATIONS

Ø mm	Breaking strength daN	Weight g/m
12	3,500	109
14	4,700	154
16	5,900	198

DYNALIGHT SYNTHETIC CABLE

Ref. 0013

Validated and praised by logging operators, Dynalight cable is now used on most forestry machines on the market.

- 12 plaits single braid PU coating.
- **Utilisation** Synthetic traction cable for 3-point winches, skidders, guy rope, slinging.
- **Avantages** Great lightness, maneuverability, resistance.
Absolute safety due to the absence of a bullwhip effect in case of breaking.
Quick repair, easy splicing.
Greatly facilitates logging operations.
- **Matière** 100% HMPE*

- **Coloris**



SPECIFICATIONS

Ø mm	Breaking strength daN	Weight g/m
3		
4		
5		
6	4,000	22
8	6,200	34
10	10,500	61
12	14,500	85
14	18,000	110
16	21,500	133
18		
20		

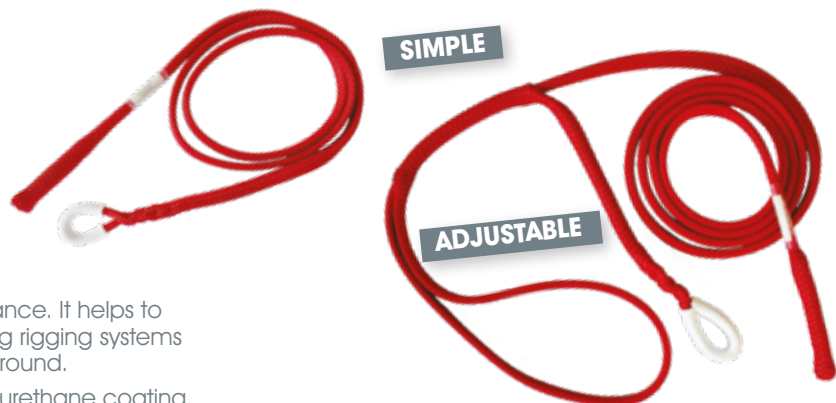
*High Modulus Polyethylene fibre of very high tenacity, selected and optimized by Cousin Trestec company.

SWING SLING SIMPLE / ADJUSTABLE

Ref. CT0626

- Ø 20 mm single braid.
- **Advantages** Exceptional resistance. It helps to adjust the breaking rigging systems attached to the ground.
- **Component** Polyester with polyurethane coating.
- **Packaging** Simple sling: 3 m or 4 m lengths.
Adjustable sling: 3 m, 5 m or 7 m lengths.

- **Color**



SPECIFICATIONS

Ø mm	Resistance daN	CMU daN
20	7,000	1,000

SUPERLIGHT SLING

Ref. CE001312

- Dynalight HMPE Ø 12 mm, PU coating.
- Covered spliced eye termination at one end.
- Working load: 1,800 daN.
- Break load: 12,000 daN.
- **Packaging** 5 m.





REFLEX SLING

Ref. CE096112

- Polyester double-braid, Ø 12 mm, spliced at each end.
- Comes supplied with a Ø 10 mm Prussik.
- Working load: 400 daN.
- Break load: 7,000 daN.

- **Component** Polyester.
- **Packaging** 7 m.



POLYESTER SLING

Ref. CE096110

- Polyester single braid, Ø 10 mm.
- Adjustable eye at each end allowing to adjust the length from 1.20 m to 1.60 m.
- Working load: 140 daN.
- Break load: 1,000 daN.

- **Component** Polyester.

Does not require any connection device (carabiner).



LOW FRICTION RING

Ref. CTHAFF

- High resistance anodized aluminium.
- Allows the passing through of the rope without friction and no chafe or damage.
- Small model: Ø 20 mm inside, 22 mm width.
- Large model: Ø 25 mm inside, 25 mm width.



FLATLINE

Ref. CT0625

- **Use** Bracing Dynamics.
- **Advantages** High tenacity, hollow polyester braided rope; good resistance to environmental factors, good tenacity. Easy to splice ,Does not require a damper system.
- **Component** Polyester.
- **Packaging** 24 plaits hollow braid.
- **Colors**



SPECIFICATIONS

Ø mm	Breaking strength daN	Weight g/m
10	2 000	46
12	2 800	66
14	3 200	87
16	5 100	113
18	6 400	140

ALL BLACK

Ref. CT0018

- **Use** Bracing Statics.
- **Advantages** No stretch under working load, easy to splice, lightweight and easy handling.
- **Component** Black aramid Technora with polyurethane special UV coating.
- **Packaging** 12 plaits hollow braid.
- **Colors**



SPECIFICATIONS

Ø mm	Breaking strength daN	Weight g/m
6	2 700	19
8	4 800	35
10	7 100	55
12	10 200	83
14	14 500	111



THROWLINE

THROWLINE DUA LIGHT

Ref. CTT66201,6

- **Advantages** The lightest on the market, long life, easy to splice.
- **Component** Polypropylène & HMPE.
- **Lenght** 60 m reel lengths.
- **Color**



SPECIFICATIONS

Diameter	Ø 1.6 mm
Weight	1.4 g/m
Breaking strength	200 daN

THROWLINE TOPLINE ULTIMATE 16640

Ref. CTTA4100

- **Advantages** Very high resistance to abrasion, runs easily. Exceptional lifespan.
- **Component** HMPE (High Modulus Polyethylene). Polyurethane deep coating.
- **Packaging** 50 m, 60 m or long reel lengths.
- **Color**



SPECIFICATIONS

Diameter	Ø 1.7 mm
Weight	1.8 g/m
Breaking strength	310 daN

ACCESSORIES

NECK STRAP

Ref. CE300000

- **Application** Used to adjust the PPE system without the help of hands.
- **Component** Sandow and polyester cover.



ROPE FEED

Ref. CEPPDI03

Specially designed to feed the Atrax rope through a cam.

- **Component** Tiratec needle, composite rod, polyester string.



ELECTRIC HOT KNIFE

Ref. CA371000

The must have tool for neatly cutting and heat-sealing lengths of rope and webbing.

Avoid whipping or taping ends.

Useful to stop wear on a cover.

- Power 60 W.



ROPE COUNTER

Ref. CA061200

Practical equipment to easily measure all ropes from Ø 3 mm to Ø 20 mm in your workshop or shop.

We recommend calibration is carried out on a regular basis.



SPLICING NEEDLES

Ref. CADVFC

- Polished stainless steel needles for splicing work.
- Set of 5 needles Ø 4 mm to 13 mm.
- Set of 4 needles Ø 4 mm to 10 mm.



STORAGE BAG

Ref. EH00831033

- Dimensions: 47 x 50 cm

Ref. EH00831035

- Dimensions: 47 x 75 cm



ROPE BAG

Ref. CAMONS001

- Padded shoulder straps, floor mat.
- Capacity: 40 L.





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