



ROPE INNOVATION

# SAFETY ROPES

for Personal Protective Equipment

WORK AT HEIGHT - RESCUE - TREE WORK - MILITARY



## COUSIN TRESTEC – ALWAYS MORE INNOVATIVE

From synthetic yarn to safety ropes manufacturing or textile cables as strong as steel, Cousin Trestec designs technical products for specific applications: **Safety, Tree Work, Work at Height, Military Operations...**

As a true technical and professional company, Cousin Trestec works very closely with the greatest athletes and industry players developing and maintaining valuable relationships. This collaboration allows Cousin Trestec to spot and determine appropriate technologies for the best evolution of the products.

From the rope access worker to the sailor, from rescue to paragliding, from amateurs to professionals, all benefit from these technological advances.

### COMBINING KNOWLEDGE

As a subsidiary of Dalle & Associés, Cousin Trestec specialises in synthetic fibre transformation by spinning, cabling, braiding and coating for sport, safety, industrial and military sectors.

With the benefit of the expertise coming from the group and its sister companies (Cousin Composites, Cousin Biotech), **Cousin Trestec has become the reference on the rope market.**



### IMAGINE TOMORROW

Cousin Trestec constantly invests in R&D, providing the capacity to deal with the great technical revolutions in the textile sector over the last few decades and to anticipate those to come.

The R&D teams of Cousin Trestec group are continuously searching for the best ways to use available technologies to deliver **the most appropriate product** to customers for each application. Cousin Trestec's innovations are landmarks for the customers as well as for the market.

### KEY FIGURES

- **60,000** plaits
- Over **170** years of experience
- **60** countries delivered all over the world
- **47,000 km** of ropes made each year
- **150** tons of ropes shipped monthly



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## LATEST GENERATION MATERIALS

Cousin Trestec uses the best available materials to increase comfort, safety and performance: **polyamide and high tenacity polyester, Technora<sup>®</sup>, Twaron<sup>®</sup>, Dyneema<sup>®</sup>, Spectra<sup>®</sup>, Vectran<sup>®</sup> or PBO<sup>®</sup>.**

Cousin Trestec not only has an unmatched knowledge of the materials, but also the ability to combine all the technologies and to control perfectly the thermic treatments (stretch, shrinkage, stabilisation, waterproofing) and coatings.

Working with traditional know-how while mastering the high-tech fibres makes the Cousin Trestec hallmark.

## TECHNICAL AND QUALITY REQUIREMENTS

Becoming an **EXPERT** requires serious work! Compliance requirements to certified standards and quality control drive the daily work at Cousin Trestec.

No less than 15 control checks are set along the manufacturing process.

Put under severe tests, the Cousin Trestec ropes always show **excellent performance and unmatched balance.**

## APPLICATIONS

### RESCUE

Because sometimes life hangs by a thread, Cousin Trestec offers life guards that operate in hazardous environments a full range of ropes and accessories that specifically address their needs.



### WORK AT HEIGHT

With the largest product range available on the market, Cousin Trestec offers comfortable, secure and light equipment for the rope access technicians to work at height and/or in confined environment with total safety.



### TREE WORK

From abseiling ropes to lowering slings, arborists can find the best choice for their daily safety at work in the Cousin Trestec dedicated tree work range of products.



### MILITARY

Descent from helicopters, urgent retrieval, towing or winching heavy gear, all that can be done fast, discreetly and accurately with the Cousin Trestec products.





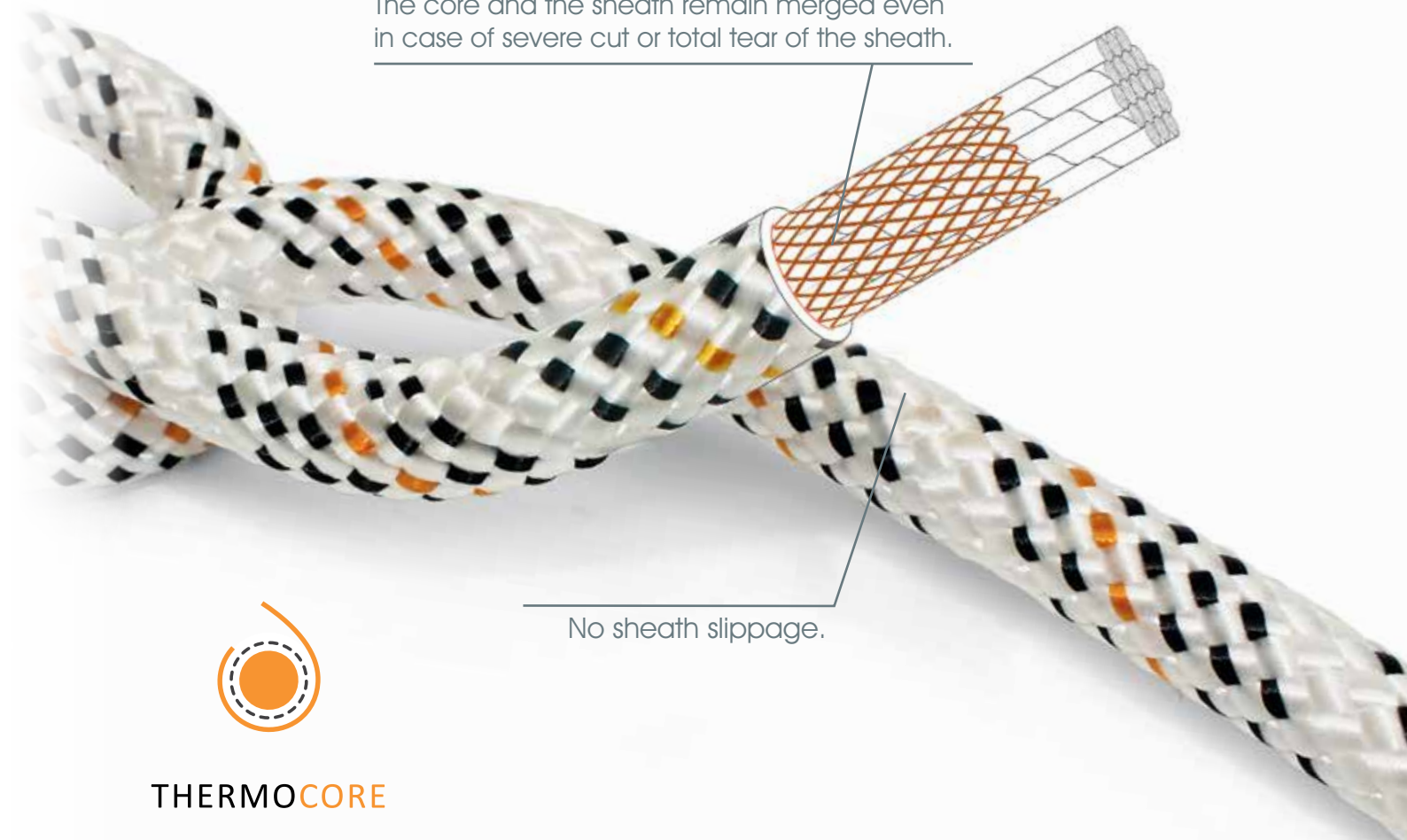
## THE THERMOCORE TECHNOLOGY

**ThermoCore** technology consists in consolidating the sheath and the core of the rope by hot-melt process to suppress "the socket" sliding effect. This is achieved with a specific treatment of the rope under tension at 150° C.

This thermal process allows the Low Melt yarn surrounding the core to merge with the sheath. It results in an exceptional resistance property of the rope, a strong reduction of internal abrasion and a great prevention from slippage.

### Absolute security!

The core and the sheath remain merged even in case of severe cut or total tear of the sheath.



THERMOCORE

COUSIN TRESTEC 3.



# WORK AT HEIGHT

To reach and set the working position easily and then move freely, rope access workers need to use specific techniques and the appropriate equipment.

**Safety and lightness guaranteed** by choosing Cousin Trestec safety ropes designed for verticality.





## SAFETY PRO 10.5 MM

Ref. 1425

- Semi-static rope Ø 10.5 mm.
- CE EN 1891 Compliant.

- **Advantages** Cost-efficient, thin and light whilst particularly efficient and reliable.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

- **Colors**



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	10.5 mm
Mass/meter under 10 kg load	65 g/m
% Core	62%
% Cover	38%
Number of falls	18
Impact force	550 daN
Number of plaits	32
Elongation from 50 to 150 kg	2.6%
Knotability	0.80
Breaking strength	3,290 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	2.2%



## SAFETY PRO 11 MM

Ref. 1435

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

- **Advantages** High breaking strength, supple and easy handling. Excellent grip.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

- **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 plaits	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%



## SAFETY PRO THERMOCORE 11 MM

Ref. 1437

- Semi-static rope Ø 11 mm.
- CE EN 1891 Compliant. Absolute safety with the **ThermoCore** technology.
- **Advantages** Mechanical properties optimized by the **ThermoCore** process.  
Perfect adhesion of the sheath and the core, no sheath slippage.  
High resistance to abrasion.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

• **Color**



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	11 mm
Mass/meter under 10 kg load	75 g/m
% Core	62%
% Cover	38%
Number of falls	39
Impact force	510 daN
Number of plaits	32
Elongation from 50 to 150 kg	2.3%
Knotability	1.18
Breaking strength	3,740 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	2.1%

## SAFETY PRO 12.5 MM

Ref. 1445

- Semi-static rope Ø 12.5 mm.
- CE EN 1891 Compliant. Recommended for rough construction sites and intensive use.
- **Advantages** Excellent grip.  
Long life cycle and reliability.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

• **Colors**



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	12.5 mm
Mass/meter under 10 kg load	96.5 g/m
% Core	61%
% Cover	39%
Number of falls	> 20
Impact force	560 daN
Number of plaits	48
Elongation from 50 to 150 kg	2.8%
Knotability	1.1
Breaking strength	4,150 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	3.5%



## SAFETY PRO NFPA 12.5 MM

Ref. 1447

- Semi-static rope Ø 12.5 mm.
- Designed to specifically meet the requirements of NFPA 1983-2012.

- **Advantages** Excellent grip.  
Long life cycle and reliability.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

- **Colors**



## SPECIFICATIONS

Diameter	12.5 mm
Number of plaits	40
Breaking strength	4,070 daN
Elongation	
at 1.35 kN	3.2%
at 2.7 kN	5.5%
at 4.4 kN	9.2%

## SAFETY 11 MM

Ref. 1832

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

- **Application** With an 11 mm diameter, this rope gives confidence to the users and fits perfectly with most slides and fall-protection devices available on the market.

- **Advantages** Safety and optimum resistance to heat and abrasion.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel and packed in lengths of 10 m, 20 m, 30 m & 60 m with spliced loop.

- **Colors**



## SPECIFICATIONS

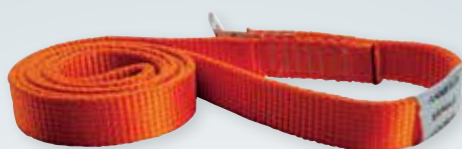
Type	A
Diameter under 10 kg load	11 mm
Mass/meter under 10 kg load	77 g/m
% Core	56%
% Cover	44%
Number of falls	21
Impact force	580 daN
Number of plaits	32
Elongation from 50 to 150 kg	1.7%
Knotability	1.1
Breaking strength	3,220 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	2.4%



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## SEWN WEBBING LOOPS

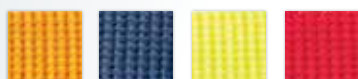
Ref. CASPA019L



- Breaking strength: 2,200 daN
- Compliant with EN 566 and certified CE.
- Width: 19 mm

- **Application** Webbing for anchoring, belaying.
- **Component** Polyamide.
- **Packaging** 3 units pack.

- **Colors**



## DIMENSIONS

Colors	Folded length
Orange	0.60 m
Blue	0.80 m
Yellow	1.20 m
Red	1.50 m

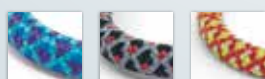
## ACCESSORY CORDS

Ref. 9001

- CE EN 564 Compliant (from Ø 4 to 7 mm).
- Supple and resistant.

- **Application** Various manoeuvrings.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

- **Colors**



## SPECIFICATIONS

Ø mm	Breaking strength kN	g/m
2	0.8	2
3	2.5	6.5
4	4	10
5	6	15
6	9	24
7	12	31



# RESCUE

At the forefront of action, rescuers must have **light and effective** ropes to carry out the most difficult tasks.

With Cousin Trestec ropes, a rescue operation in a hazardous environment can be carried out **safely**.





## FIRE SAFETY 12.5 MM

Ref. 1250

- Semi-static rope Ø 12.5 mm.
- CE EN 1891 Compliant.
- **Application** Dedicated to fire brigades specific operations.  
For safe moves and abseiling evacuation.
- **Advantage** The core is constructed with several braids to provide high anti-cut protection.
- **Component** 100% polyamide high tenacity.
- **Packaging** Reels of 30 m, 60 m or 200 m.
- **Colors** White with a Year Marker.



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	12.7 mm
Mass/meter under 10 kg load	97 g/m
% Core	55%
% Cover	45%
Number of falls	21
Impact force	590 daN
Number of plaits	32
Elongation from 50 to 150 kg	2.3%
Knotability	0.96
Breaking strength	3,780 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	4.2%





## PRO FORCES

Ref. 4017

- Dynamic double rope  $\varnothing$  8.6 mm.
- CE EN 892 Compliant.

- **Application** Light and technical, this dynamic rope supports the most demanding efforts required during rescue operations.
- **Advantages** Versatile, efficient and robust.
- **Component** 100% polyamide high tenacity.
- **Packaging** Packaged in 200 m reels or 50 m length.

- **Colors**



## SPECIFICATIONS

Type	Double rope
Diameter under 10 kg load	8.6 mm
Mass/meter under 10 kg load	46.5 g/m
% Core	60%
% Cover	40%
Number of falls	9
Impact force	540 daN
Number of plaits	40
Dynamic elongation	31.7%
Static elongation	10%
Knotability	0.87
Breaking strength	1,515 daN

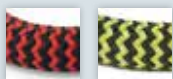
## TOP ROCK

Ref. 4934

- Dynamic single rope  $\varnothing$  11 mm.
- CE EN 892 Compliant.

- **Application** 30% reinforced sheath to ensure long lifespan and exceptional hold for heavy duty.
- **Component** 100% polyamide high tenacity.
- **Packaging** Packaged in 200 m reels or pre-cut lengths.

- **Colors**



## SPECIFICATIONS

Type	Single rope
Diameter under 10 kg load	11 mm
Mass/meter under 10 kg load	73 g/m
% Core	61.7%
% Cover	38.4%
Number of falls	11
Impact force	790 daN
Number of plaits	32
Dynamic elongation	33.1%
Static elongation	6.5%
Knotability	0.79
Breaking strength	2,465 daN



# TREE WORK

Tested and proven by arborists, Cousin Trestec ropes and accessories have established a **market leading** reputation in the sector.

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





## SAMOURAI 12.2 MM

Ref. 1778

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

- **Advantages** A new generation rope, thinner and lighter. Very stable under load, very cohesive behaviour between the core and the external braided cover.
- **Component** 100% polyester
- **Packaging** 20 m, 60 m or long length reels.

- **Colors**



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	12.2 mm
Mass/meter under 10 kg load	105 g/m
% Core	32%
% Cover	68%
Number of falls	8
Impact force	580 daN
Number of plaits	16
Elongation from 50 to 150 kg	2.6%
Knotability	0.9
Breaking strength	2,840 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	0.9%



New patented splice for use with mechanical Prusik and cams.



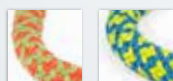
## ATRAK 11.6 MM

Ref. 1781

- Ø 11.6 mm climbing rope dedicated to arboriculture.
- EN 1891 compliant and CE 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**



## 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 plaits	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%

\*See **Rope Feed** p.19



## AMERICAN ROPE 13.5 MM

Ref. 1750

- Ø 13.5 mm abseiling rope.
- EN 1891 Compliant and CE certified for tree work use.
- Splice upon request.

- **Advantages** Very supple, easy handling and perfectly adapted for Prussik use.
- **Component** 100% polyester cover, 100% polyamide core.
- **Packaging** 20 m, 60 m or long length reels.

- **Color**



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	13.5 mm
Mass/meter under 10 kg load	115 g/m
% Core	21.1%
% Cover	78.9%
Number of falls	> 20
Impact force	520 daN
Number of plaits	16
Elongation from 50 to 150 kg	3.2%
Knotability	0.59
Breaking strength	3,090 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	1.2%

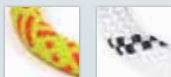
## RUSH 11 MM

Ref. 1435

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

- **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 plaits	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%





## PRUSSIK ARAMADILLO 10 MM ANTI-FUSION

Ref. CT227710

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

- **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

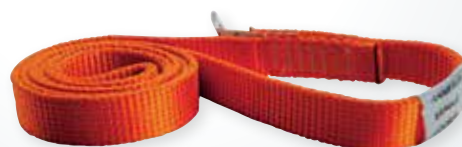
## SEWN WEBBING LOOPS

Ref. CASPA019L

- Breaking strength: 2,200 daN
- Compliant with NF EN 566 and certified CE.
- Width: 19 mm

- **Application** Webbing for anchoring, belaying.
- **Component** Polyamide.
- **Packaging** 3 units pack.

- **Colors**



### DIMENSIONS

Colors	Folded length
Orange	0.60 m
Blue	0.80 m
Yellow	1.20 m
Red	1.50 m

## 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**



12 mm 14 mm 16 mm 18 mm

### 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

### STORAGE BAG

- Dimensions: 47 x 75 cm



\*The storage bag can be sold separately.

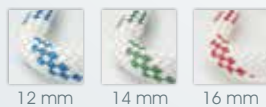
## CORTEX

Ref. 0790

- Ø 12 mm, 14 mm and 16 mm lowering rope.

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

- **Colors**



12 mm 14 mm 16 mm



### SPECIFICATIONS

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

Note: The rupture tests are carried out on a spliced loop.

## 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
6	4,000	22
8	6,200	34
10	10,500	61
12	14,500	85
14	18,000	110
16	21,500	133

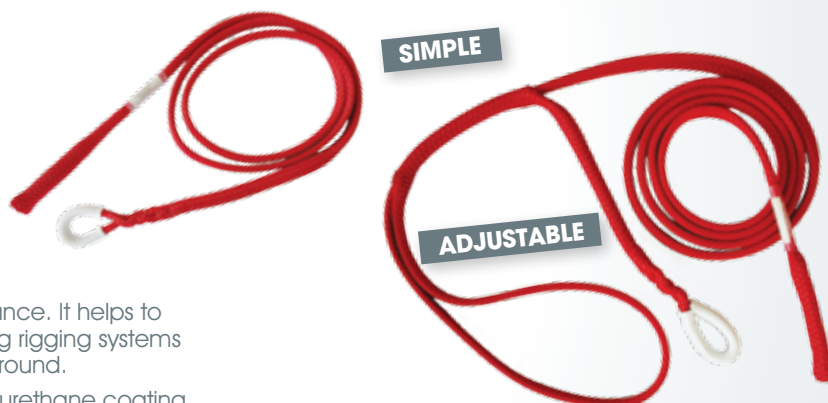
\*High Modulus Polyethylene fibre of very high tenacity, selected and optimized by Cousin Trestec company.

## SWING SLING SIMPLE / ADJUSTABLE

Ref. CT0626

- Ø 20 mm single braid.
- Avantages 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



Note: The rupture tests are carried out on a spliced loop.



## 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.



Note: The rupture tests are carried out on a spliced loop.



## THROWLINE

### THROWLINE ARGON

Ref. CTJETA02

- **Advantages** Light, strong, easily located by the bright colours.
- **Component** 100% polyethylene
- **Lenght** 50 m, 60 m or long reel lengths.
- **Color**



#### SPECIFICATIONS

Diameter	Ø 2 mm
Weight	2 g/m
Breaking strength	65 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.



## ROPE BAG

Ref. CAMONS001

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





# MILITARY

Partner of the national and foreign armed forces, Cousin Trestec has developed a range of products that **perfectly** meet the expectations of the professionals of military intervention.

Approved by elite units, the Cousin Trestec ropes combine **technologies, performance** and **reliability**.





## SAFETY INTERVENTION ARAMID 11 MM

Ref. 1580

- Semi-static rope Ø 11 mm.
- Reinforced cover.
- EN 1891 and CE certified.
- Application
  - Fast intervention from helicopter. Dedicated to highly experienced staff.
  - Very careful maintenance is recommended: Visual inspection and checks on a regular basis, careful storage protecting from UV, limited lifespan.
- Component Technora®/polyamide
- Packaging 200 m reels, 60 m or 70 m pre-cut lengths.

- Color



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	11 mm
Mass/meter under 10 kg load	74.9 g/m
% Core	58.9%
% Cover	41.1%
Number of falls	> 5
Impact force	570 daN
Elongation from 50 to 150 kg	3.2%
Number of plaits	32
B/S with figure of 8 knot	> 1,500 daN
Breaking strength	3,600 daN
Knotability	0.95
Shrinkage to water	1.8%

## SAFETY INTERVENTION POLYESTER 11 MM

Ref. 1450

- Semi-static rope Ø 11 mm.
- EN 1891 and CE certified.
- Application
  - Descending from a helicopter, zip line.
- Advantages
  - Highly static, compact rope with high resistance to heat thanks to the polyester cover.
- Component Polyester / polyamide core.
- Packaging 200 m reel.

- Color



## SPECIFICATIONS

Type	A
Diameter under 10 kg load	11 mm
Mass/meter under 10 kg load	86 g/m
% Core	53.7%
% Cover	46.3%
Number of falls	> 5
Impact force	< 600 daN
Number of plaits	32
Elongation from 50 to 150 kg	1.9%
Knotability	0.77
Breaking strength	3,200 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	0.1%



## SAFETY PRO 11 MM

Ref. 1435

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

- **Advantages** High breaking strength, supple and easy handling. Excellent grip.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard 200 m reel.

- **Color**



## 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 plaits	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%

## PRO FORCES

Ref. 4017

- Ø 8.6 mm dynamic rope.
- Double rope, twisted core.
- EN 892 and CE certified.

- **Application** Perfect for multi-pitch rock routes, on adventurous grounds or on mountains.
- **Advantages** Versatile, efficient and robust.
- **Component** 100% polyamide high tenacity.
- **Packaging** 200 m reel or 50 m pre-cut length.

- **Color**



## SPECIFICATIONS

Type	Double rope
Diameter under 6 kg	8.6 mm
Mass/meter under 10 kg load	46.5 g/m
% Core	60%
% Cover	40%
Number of falls	9
Impact force	540 daN
Number of plaits	40
Dynamic elongation	31.7%
Static elongation	10%
Knotability	0.87
Breaking strength	1,515 daN

## TOP ROCK

Ref. 4934

- Ø 10.7 mm dynamic single rope.
- EN 892 and CE certified.

- **Application** Well suited to military operations thanks to its 30% reinforced cover.
- **Component** 100% polyamide high tenacity.
- **Packaging** Standard reels of 50 m, 60 m, 200 m and 300 m.

- **Color**



## SPECIFICATIONS

Type	Single rope
Diameter	11 mm
Mass/meter under 10 kg load	73 g/m
% Core	61.7%
% Cover	38.4%
Number of falls	11
Impact force	790 daN
Number of plaits	32
Dynamic elongation	33.1%
Static elongation	6.5%
Knotability	0.79
Breaking strength	2,465 daN



## FAST ROPE

Ø 40 MM

Ref. CE035440

- Rope specially designed for groups of rapid deployment under helicopters.
- **Application** Great grip allowing a controlled descent of intervention staff.
- **Advantage** The construction of this rope allows a comfortable control all along the descent without the need for harnesses.
- **Component** 100% spun polyamide
- **Ends** 1/ Polyester protected spliced eye.  
2/ Dyneema® spliced eye.

- **Color**



## SPECIFICATIONS

Diameter	40.4 mm
Mass/meter	931 g/m
Breaking strength on spliced eyes	10,500 daN
Breaking strength on "octopus" end	3,900 daN

LENGTHS	Meters	Feet
	12.2	40
	15.2	50
	18.3	60
	27.4	90
	36.6	120



## F.R.I.E.S.

(FAST ROPE FOR INSERTION AND EXTRACTION SYSTEM)

Ref. CE001320

- Multi-purpose rope designed for rapid deployment of Special Forces. Each F.R.I.E.S. can carry up to 6 or 12 fully equipped personnel thanks to its loops system.
- **Component** Dyneema® SK78
- **Ends** Spliced eye on thimble and Dyneema® bridges.
- **Packaging** 34 m or 46 m.
- **Coloris**



## SPECIFICATIONS

Diameter	20 mm
Mass/meter	193 g/m
Breaking strength	16,800 daN
Elongation to break	4%



## INTERVENTION THERMOCORE 8.5 MM

### Ref. 1436

- Semi-static rope, Ø 8.5 mm.
- EN 1891 and CE certified.

• **Application** Easy to handle and thin, this rope helps the personnel to pursue their descent safely.

• **Advantages** The **ThermoCore** technology suppresses the sheath slippage for maximum safety.

• **Color**



## SPECIFICATIONS

Type	B
Diameter under 10 kg load	8.5 mm
Mass/meter under 10 kg load	52 g/m
% Core	55%
% Cover	45%
Number of falls	6
Impact force	410 daN
Number of plaits	32
Elongation from 50 to 150 kg	2.3%
Knotability	1
Breaking strength	2,080 daN
B/S with figure of 8 knot	> 1,500 daN
Shrinkage to water	2.1%

## ACCESSORY CORD MOUNTAIN TYPE

### Ref. 9000

- Ø 7 mm
- Breaking strength: 1,200 daN
- Weight: 31 g/m

• **Application** Accessory cord for various maneuvers.

• **Packaging** 25 m or 200 m reels.

• **Colors**



## SPECIFICATIONS

Diameter	7 mm
Mass/meter under 4 kg	31 g/m
Breaking strength	1,200 daN
Number of plaits	24

# TECHNICAL GUIDELINES

Work at height, tree work, rescue, military operations...  
As many ropes for each application.

Working closely with its technical experts who trial the products in-situ, Cousin Trestec offers the best safety ropes.

Designed to last, our ropes are certified CE, UIAA or address the specific requirements expected by the military sector. Our safety ropes are mainly subject to the **EN 1891** or **EN 892** requirements.

## SEMI-STATIC ropes

- Braided ropes with sheaths with a low elongation rating.
- Compliant to EN 1891 standard, they are mainly used to access, position or stay at a working position.
- With a low elongation, semi-static ropes avoid the spring effect on long pitches when ascending or hanging.
- With a high reliability and long lifespan, these ropes are widely used for many applications, particularly in 10.5 mm or 11 mm diameters.

### Extract of the main features required by EN 1891

Type	A	B
Number of falls (Factor 1)	≥ 5 (100 kg)	≥ 5 (80 kg)
Impact force (Factor 0.3)	≤ 600 daN (100 kg)	≤ 600 daN (80 kg)
Static elongation (50 to 150 kg)	≤ 5%	≤ 5%
Static strength	2,200 daN minimum	1,800 daN minimum
Static strength with knot of 8 figure (during 3 minutes)	1,500 daN	1,200 daN



## DYNAMIC ropes

- EN 892 standard compliant.
- Mainly dedicated to climbing, these ropes must be used during every hike above the anchor point.
- Thanks to their elasticity, they can absorb the important energy deployed by a violent fall and they are restricted to expert users.
- Single rope with a diameter below 10.5 mm is the most common one used on the market nowadays.

### Extract of the main features required by EN 892

Type	Single	Double	Twin
Number of falls (Factor 2)	≥ 5 (80 kg)	≥ 5 (50 kg)	≥ 12 (80 kg doubleline)
Impact force (Factor 2)	≤ 1,200 daN	≤ 800 daN	≤ 1,200 daN
Dynamic elongation (Factor 2)	< 40%	< 40%	< 40%
Static elongation	≤ 10%	≤ 12%	≤ 10%

**Note:** Mass per meter and diameters can vary between the commercial description and the diameters under load.









ROPE INNOVATION

Following our policy of constant improvement of our products, we reserve the right to change or modify the products specifications featured in this catalogue without notice.

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