



LONDON

25 YEARS
TIED TO BE
FREE

→
Eliška Adamovská
October 16th 2020, Žilina
49°13'23.34"N, 18°44'21.88"E



TIED TO BE FREE

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2025 IS A SIGNIFICANT MILESTONE FOR TENDON

For twenty years we have been dedicated to the production of high quality climbing and working ropes, which has earned the trust and respect of professionals around the world.

We started with a simple vision to create ropes that people can rely on even in the most challenging conditions. Through constant research, innovation and a focus on safety, reliability and functionality in all our products, we have become one of the market leaders. And our journey certainly doesn't stop there. Thank you for being part of our story.



← High Tauern,
Grossglockner region

↓ Summer alpinism,
Chamonix, France



20th ANNIVERSARY

JIRÍ GAZDA
FOUNDER OF TENDON
& PRODUCT MANAGER



Twenty years ago, we built on our rope manufacturing history under the LANEX brand and started with a clear vision: to produce a new generation of quality climbing and working ropes that would provide our customers with safety and reliability even in the most extreme conditions. From humble beginnings, we have gradually developed into a major player in the production and export of safety ropes and personal protective equipment for working at heights and above free depth.

Thanks to our constant focus on innovation, quality materials and technological advances, we have not only managed to gain a stable position in the European market, but also expanded to other parts of

the world. Today, our products ensure the safety of professionals and climbers on all continents, whether it is for high-altitude expeditions, construction projects or special rescue operations.

This success is mainly due to our employees, whose professionalism, expertise and commitment have enabled us to overcome all the challenges the market has brought us. With every new product, every export realized and every customer who trusted us, we grew not only as a company but also as a team.

Thank you to everyone who has stood by us and we look forward to another decade of challenges and successes!

TODAY WE ARE PROUD TO BE NOT ONLY A STABLE COMPANY WITH A LONG TRADITION, BUT ALSO AN INNOVATIVE LEADER IN THE FIELD OF SAFETY ROPES, CONSTANTLY PUSHING THE BOUNDARIES OF WHAT IS POSSIBLE AND HELPING TO ENSURE THE SAFETY AND SUCCESS OF OUR CUSTOMERS AROUND THE WORLD.



Group photo from who-knows-what-year



"Big America" Quarry



Helmet fitting 2015



Friedrichshafen 2011



Friedrichshafen 2017



Outdoor Munich 2022

Two decades full of experiences and memories. Sometimes we knew exactly what we were doing. But sometimes we were all over the place. Sometimes we knitted rope. Sometimes we wanted to throw a rope. But it always turned out well in the end.



New office, Day 01

Twenty years behind us, another twenty ahead. And we'll be at it again.

PRODUCTION



Tendon is a purely Czech brand with international potential. Our ropes can be found almost all over the world, but before that happens, we breathe life into them in the facilities of Lanex in Bolatice. Its history dates back to 1949, when the first ropes began to be produced here. In 1998, the first static and dynamic ropes were produced here and in 2005 the independent brand Tendon was established.

DETAILS

01 Ambassador Danny Menšík in production, **02** Knitting machine or colloquially “knitting machine”, **03** Ambassador Zdeněk “Háček” Hák in production, **04** Process of rope cutting, **05** Ambassador Tom Randall in production with technologist Vít’a Leher, **06** Ambassador Denis Pail in production, **07** Knitting of rope Master 9.7 neon, **08** Danny Menšík on climbing wall Tendon Hlubina, **09** View into production, **10** Process of control in production





QUALITY AND CONTROL

Every centimeter of Tendon ropes undergoes a meticulous visual, optical and tactile inspection. In addition, a sample is taken from each spool and sent to the quality department for inspection, where it is drop-tested according to the relevant standard. Only ropes that pass the inspection of the given parameters are packed with the unique “twist-free” technology guaranteeing that the rope is ready to climb immediately after unpacking.

C:\>DIR A:
Not ready reading drive A
Abort, Retry, Fail?

CRITICAL 3@R0R
RE: 0R1JER 66

A complex network of red lines forms a star-like shape on a black background. Overlaid on this are several text elements in a monospaced font, including a directory listing, a loading log, and a paragraph of text.

C:\>RESEARCH & DEVELOPMENT
SYSTEM OPTIMIZED

C:\>dir
Volume in drive C is RESEARCH
Directory of C:\PROJECTS

SCANNING...
PRIORITY: RESEARCH
OBJECTIVES: DEVELOPMENT / INNOVATION

prototype.exe	12.345 bytes
D095AN41S000C.txt	1.024 bytes
LAN_SYSTEM	<DIR>

[LOADING LOG 241]

We have twenty years of continuous research and development behind us. Our developers are climbers in body and soul who reflect the needs of all climbers and workers at height in the development of new ropes. We are not satisfied with standard solutions, but are constantly looking for the best ones to improve the reliability and functionality of the equipment with an emphasis on safety.

6D 79 74 65 6E 64 6F
6E 2E 63 6F 6D

[SYSTEM READY]

TEFIX®

↓ This technology is carried by Ambition 10.2 ropes page 31, then Master 9.0 and Master 9.7, page 37



Patented technology permanently connects the rope core to the braid. This connection prevents the rope braid from sliding. This result is achieved by adding a special material between the core and the braid. The subsequent technological process achieves a strong and flexible connection between these two parts of the rope.

The rope has 0% braid shift, much longer life, is soft and great to handle.

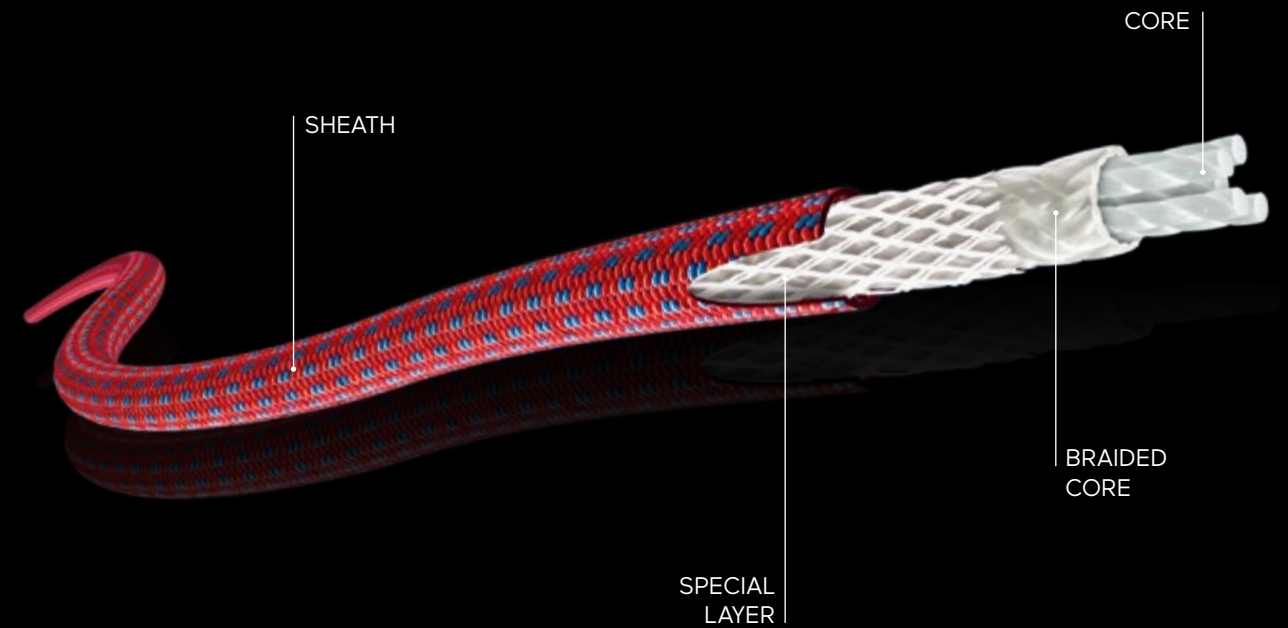


SECURE

↓ This technology is carried by Hattrick 9.7 and 10.2 ropes, Page 32



Sandwich rope construction with specially developed staple fiber keeps a person with a severely damaged braid suspended.



KEY FEATURES

Each climbing rope has its own unique features that meet the highest safety and technological standards. From patented technologies like TeFIX® that ensure a strong core and braid connection to Complete Shield impregnation that protects the rope from moisture and wear, these ropes are designed for maximum performance and reliability.

TeNOTE
A fast, efficient and easy to use tool for rope inspection and maintenance with PC and mobile phone using a microchip.

CE – SYMBOL OF COMPLIANCE
This symbol indicates that the product meets the safety requirements set out in the relevant European legislation. The number after the CE symbol (e.g. CE 1019) indicates the relevant notified body – an accredited testing laboratory.

UIAA
The product meets the strict safety requirements of the International Union of Mountaineering Associations.

MIDPOINT OF ROPE
The rope is marked with a distinctive color in the middle of its length, which does not interfere with its structure or mechanical properties. Only for ropes 30–80 m long.

BC
BICOLOR
A clearly identifiable change in the rope pattern in the middle, which brings comfort when handling the rope and is especially useful when rappelling.

STANDARD
Improved basic surface treatment of dynamic ropes. A new technological process allows the impregnation to be applied during standard rope treatment. As a result, the service life of TENDON ropes is extended.

COMPLETE SHIELD
Maximum rope treatment with high waterproof and abrasion resistant effect. Both the braid and the core of the rope are treated with the ECO variant of the PFC-free impregnation, which creates an almost impermeable protective layer on the entire rope against water, dust and other particles.

TeFIX®
Patented technology ensures a permanent connection between the core and the braid. This is achieved by using special materials which, by a further technological process, ensure a permanent connection between the core and the braid.

COMPACT
Unique rope termination technology. The last 15 mm of the length is the core with braid are combined into one compact unit.

SECURE
Patented technology ensuring zero braid drift. Sandwich construction of the braided layers and the use of specially treated fibers ensure that the rope is secure even in the event of significant braid damage.

BRAIDING SYSTEMS



SBS
Simple Braid System – Simple braiding guarantees pleasant handling, smoother passage of the rope through the belay devices.

SBS PRO
Improved version of SBS braid. The rope friction is reduced to a minimum and thanks to this you don't even know that the rope is accompanying you throughout the climbing performance.

TANDEM
The rope strands are woven into the structure in pairs. This makes the surface of the rope more structured and easier to hold. It does not slip.

TYPES OF DYNAMIC ROPES

1 SINGLE ROPES
A single rope is used for ascent. This is the basic and most common way of using a rope for ascent.

1/2 HALF ROPES
The individual ropes are fastened alternately into the progressive belays. This system reduces the risk of the ropes being cut by falling rocks and provides maximum safety in high mountains and heavy climbing.

TWIN ROPES
The same ropes are always used in pairs and have common belay points. Double ropes guarantee high safety, especially for classic climbing in high mountains.

PERFORMANCE CATEGORIES

--- EXPERT
Climbing is your lifestyle and you always want the best equipment. You need an attack rope that will never let you down and, on the contrary, will support you in the hard steps.

-- ADVANCED
You enjoy climbing and you certainly don't set small goals. You are interested in equipment and want great products for yourself.

- BEGINNER
Ropes marked in this way are ideal for your first climbing experience or occasional climbing. They include thicker rope diameters with long life.



CLIMBING, RUNNING AND ON REPEAT



DISCIPLINE BOULDERING, LEAD CLIMBING

What is your favorite Tendon rope and why?

Definitely the Master PRO 8.9,
because it's light, doesn't take up
much space and you hardly feel it
when climbing. I take it both to the
craggs and on the wall.

Do you have a climbing idol or why?

Janja is undoubtedly incredible, but she is
more of an idol than a role model for me. For
a long time I admire our climbing legends like
Suk, Mraz, Adam and Stráníci. It's probably
more about attitude than results for me.

What is the highlight of sport climbing for you and why? Is it the Olympics, World Cup, rock climbing projects or something else?

Well over the last 5 years I feel like it's really
become very separate. They're actually
completely different disciplines.

Are you superstitious? Do you have any climbing talismans?

When I was younger, I used to be more. I was
"lucky" in all things, like underwear, hairstyle,
leggings. Now I only believe in rubber bands
and a pre-race walk.



↑ Moravian Karst, Eliška
is secured by Master PRO
8.9, page 36



Khon Kaen, Thailand
Winter 23/24. Anna uses
our Master 9.7, page 35

ANNIE GOING HAZELNUTS

DISCIPLINE
ROCK CLIMBING

„Really love this one.
@tompaulrandall and I put up in
the Boneyard. Technical, stemmy
movements to start before getting
into some really enjoyable no-
hands knee barring. It finishes with
jugs on a slab that seems to never
end „Two For Joy“ (7b, FA: me)“



WHAT DO YOU DO WHEN YOU'RE NOT CLIMBING?
I LIKE TO MAKE FILMS AND WRITE WHENEVER I CAN. I AM CREATIVE.

When did you start climbing and how?

I started climbing at the age of 16 when I was invited on a date to a climbing gym (it was actually my first date!) and right away I got myself a monthly membership.

What are your favorite climbing areas in Europe?

All of Catalunya, I loved visiting Switzerland (magic wood) as well. There's still so much rock I have yet to explore in Europe!

Is there a hair color combination that you are afraid of?

HAHA! I think orange and yellow together might be too much. Which is wild because I always say "too much is almost enough" but I think that might cross a line. Will try it out and report back.

What is your favorite model of Tendon rope and why?

I love your Tendon Master 8.6 rope. It's PERFECT for redpointing really long routes, and I love me my long routes!

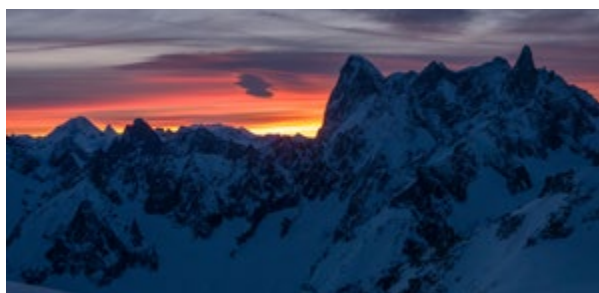
ALWAYS ON THE EDGE



DISCIPLINE SLACKLINE,
ALPINISM (IFMGA MOUNTAIN
GUIDE), ROCK CLIMBING

→ Děčínský Sněžník,
Sleeping Buddha, X

↓ Chamonix, France, 2024. Danny
with his favorite ropes, the twins
Master PRO 7.6, page 36



What do you enjoy about guiding and what annoys you?

The days in the field, even if they are sometimes challenging and stressful, I usually enjoy them, but the worst is the long driving and leaving home, and then also when I have to change the location due to weather and come up with an alternative plan, re-book the huts, juggle with the conditions to make the days as good as possible.

Sometimes I spend all day on my ass looking at all the possible weather forecasts for dozens of locations, figuring out the right hikes for the situation, and then my head is fuming, stressed, and paralyzed by choices that may not come to fruition.

What is your favorite rope from Tendon and why?

The neon Master Pro 9.2 for sport and sand, the black single Master Pro 8.9 and the green and orange half 7.6 for the mountains.

You're not worried about guiding taking up your time and energy to "do your own climbing"?

It does happen, but I think I'm starting to balance it well and I'm climbing better than ever again despite many days in "easy terrain". It's very important to learn to plan your season well and to be able to rest and train at the right time.

What your mountain guide season looks like?

Different every year. But I spend most of my days ski guiding in the winter. Early summer is ideal for me in Chamonix, or generally in the western Alps, then summer in the Adder and autumn in the Dolomites, Tatraš.





Khon Kaen, Thailand
Winter 23/24. Tom chews
our Master 9.7, page 35

LIVING FOR THE CLIMB

DISCIPLINE CRACK CLIMBING,
ROCK CLIMBING



At what age did you start climbing and how?

I started climbing about 16, 17 yrs old through a friend at school. He was really into traditional climbing and encouraged me to take part in a local climbing competition for fun. I ended up doing much better than I expected and I guess that was all the encouragement I needed!

You have been climbing for many years, what keeps you motivated for training, projects, traveling?

I think it's probably the variety of experiences that you can have climbing (it's almost impossible to get bored) and also the incredible people that you meet within the sport. I love that there's multiple 'ways' to climb all the way from indoors vs outdoors and bouldering, sport, traditional and big wall. The fact

that you can combine this travel around the world is really special as well, as even if I'd not been a climber, I would certainly have traveled a lot.

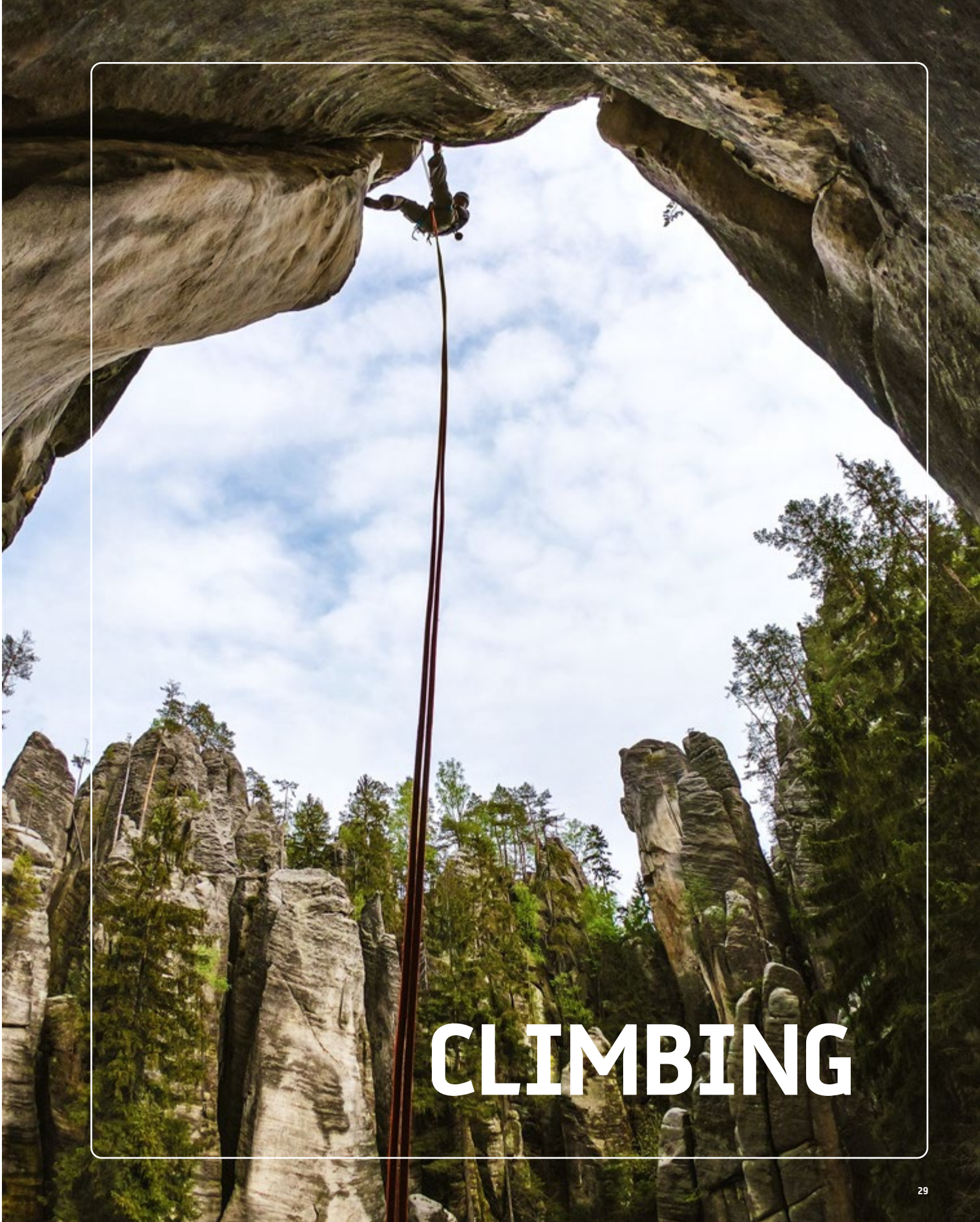
Which Tendon rope is your favorite and why?

Ever since I started using ropes made by Tendon, I have been fascinated by their properties. In my experience, it is almost impossible to find a rope with good maneuverability / knotability, that has also got great durability. I found this combination in the Master Pro 9.2 rope, which I used for a few weeks to practice climbing what I consider, from a sports point of view, the most difficult crack route on sharp granite in Norway called "Recovery Drink" (8c). Basically, I checked the rope every day and expected some damage, but I never found any.



Whether you are a beginner climber who is just getting acquainted with the vertical world or an experienced professional, you will definitely find a choice here. Strength, durability and reliability are the basis of every product in our range, so you can focus on what's really important – pushing your own limits and getting home safely.

↑ **Photo** Jan Haráč, @haracjan, **Location** High Tatras, Weberovka
→ **Photo** Ondřej Švihálek, **Location** Prachov Rocks





NEW PRODUCT

ANNIVERSAL 9.5

Rope specially made for the 20th anniversary of the Tendon brand. The Anniversal 9.5 combines versatility, uncompromising durability, and use from short sport routes to long 50-meter slacks. The rope will not offend with its weight and the thick braid will provide a feeling of safety and durability. This makes it an ideal choice even for novice climbers.

✚ Versatility of use

✚ Uncompromising durability

✚ Enhanced safety

CLIMBING AND MOUNTAINEERING

■

D095AN41S000C GREEN/BLUE

D095AN42S000C BLUE/BR. ORANGE

EN 892,  1019	①
DIAMETER	9.5 mm
WEIGHT	57 g/m
NUMBER OF UIAA FALLS	5
MAX. IMPACT FORCE	8.4 kN
SHEATH SLIPPAGE	0.2 %
STATIC ELONGATION	8.2 %
DYNAMIC ELONGATION	32 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	40 %





AMBITION 8.5

Thanks to its design, the rope is suitable for mountains and terrains with poor visibility or for rescue. It boasts a comfortable diameter, excellent durability and an extremely high number of falls. All these parameters increase your safety and extend the scope of use.

✚ Design

✚ Durability

✚ High number of falls

CLIMBING AND MOUNTAINEERING

■

D085TB41S000C YELLOW

D085TB42S000C BLUE

EN 892,  1019	①½
DIAMETER	8.5 mm
WEIGHT	45 g/m
NUMBER OF UIAA FALLS	9
MAX. IMPACT FORCE	5.4 kN
SHEATH SLIPPAGE	0.1 %
STATIC ELONGATION	7.6 %
DYNAMIC ELONGATION	38 %
KNOTABILITY	1
NUMBER OF BOBBINS	32
SHEATH MASS	39.13 %





AMBITION 9.8

If you are a beginner with high ambitions, this rope is a great choice. A durable rope with a high number of falls that is especially suitable for the large number of descents that every beginner goes through. The thicker braid ensures that the rope is slower in the belay. A durability benefit for practicing routes where the rope really gets a workout.

✚ Coarse braid

✚ Resistance

✚ Handling

SPORT CLIMBING

■

D098TR41S000C YELLOW

D098TR42S000C GREEN

D098TR48S000C BR. YELLOW

EN 892,  1019	①
DIAMETER	9.8 mm
WEIGHT	65 g/m
NUMBER OF UIAA FALLS	9
MAX. IMPACT FORCE	7.7 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	6.8 %
DYNAMIC ELONGATION	36 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	39.4 %



30

CLIMBING



AMBITION 10

The robust design of the rope inspires confidence and rightly so, as it boasts a high number of falls and its durability is further supported by the SBS braid system, which ensures less friction and a smoother, but thanks to the larger diameter, slower passage in the belay.

✚ High resistance

✚ SBS

✚ Suitable for beginners

INDOOR CLIMBING

■

D100TA41S000C RED

D100TA42S000C BLUE

EN 892,  1019	①
DIAMETER	10 mm
WEIGHT	67 g/m
NUMBER OF UIAA FALLS	9
MAX. IMPACT FORCE	8.9 kN
SHEATH SLIPPAGE	0.2 %
STATIC ELONGATION	5 %
DYNAMIC ELONGATION	33 %
KNOTABILITY	1
NUMBER OF BOBBINS	40
SHEATH MASS	38 %





AMBITION 10.5

A rope made for beginners. The thicker diameter guarantees long and faithful service. At the same time, it is easier to catch falls in the belay and the whole climbing becomes safer.

✚ Durability

✚ Safety

✚ Ideal for beginners

INDOOR CLIMBING

■

D105TA42S000C BLUE

D105TA41S000C RED

D105TA47S000C GREEN

EN 892,  1019	①
DIAMETER	10.5 mm
WEIGHT	69 g/m
NUMBER OF UIAA FALLS	9
MAX. IMPACT FORCE	9.2 kN
SHEATH SLIPPAGE	0.1 %
STATIC ELONGATION	6.9 %
DYNAMIC ELONGATION	34 %
KNOTABILITY	0.8
NUMBER OF BOBBINS	48
SHEATH MASS	39.2 %





AMBITION TeFIX® 10.2

The sturdy rope will delight beginners and advanced climbers alike. TeFIX® technology guarantees zero braid displacement, but also safety in case of damage. The braid is thicker and therefore slower in the belay. The highly resistant rope with a high fall count is perfect for wall, sand or sport climbing.

✚ TeFIX® technology

✚ Thicker braid

✚ Durability

BIG WALL

■

D102AF41S000C YELLOW

D102AF42S000C ORANGE

EN 892,  1019	①
DIAMETER	10.2 mm
WEIGHT	67 g/m
NUMBER OF UIAA FALLS	11
MAX. IMPACT FORCE	8.3 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	6.9 %
DYNAMIC ELONGATION	33 %
KNOTABILITY	0.8
NUMBER OF BOBBINS	40
SHEATH MASS	35.24 %



CLIMBING

31



ALPINE 7.9

In case of low visibility, rescue or rope management, all climbers will appreciate the design of this rope, which in all adverse conditions. Thanks to its diameter, it is suitable for all performance categories. The rope is at home in the mountains, no matter you climb multi-lengths, ice, mixes or marching across a glacier.

Design

Diameter

Suitable for all performance categories

CLIMBING AND MOUNTAINEERING

■

D079TL41S000C RED

D079TL42S000C YELLOW

EN 892,  1019		
DIAMETER	7.9	7.9 mm
WEIGHT	38	38 g/m
NUMBER OF UIAA FALLS	5	16
MAX. IMPACT FORCE	5.7	8.5 kN
SHEATH SLIPPAGE	0	0 %
STATIC ELONGATION	10.5	8 %
DYNAMIC ELONGATION	38	35 %
KNOTABILITY	0.9	0.9
NUMBER OF BOBBINS	32	32
SHEATH MASS	44	44 %







HATTRICK 9.7

A great choice for all performance climbers, who are safety-conscious. Secure technology ensures zero displacement of the braid to the core and the SBS system takes care for excellent handling and smooth progression Secure Technology

Secure technology

SBS

Favorite diameter

BIGWALL

■ ■

D097TH41S000C BLUE/GREEN

D097TH42S000C BLUE/RED

EN 892,  1019	
DIAMETER	9.7 mm
WEIGHT	58 g/m
NUMBER OF UIAA FALLS	5
MAX. IMPACT FORCE	9.4 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	8.0 %
DYNAMIC ELONGATION	30 %
KNOTABILITY	1
NUMBER OF BOBBINS	40
SHEATH MASS	37.02 %







HATTRICK 10.2

Simple rope with Secure technology that guarantees zero braid slippage, proving that the rope is secure and durable. Perfectly suited for strenuous top rope climbing and projecting. SBS braid system ensures a smoother run in the carabiners.

Secure technology

SBS

Resistance

BIGWALL

■

D102TH41S000C BLUE

D102TH42S000C RED

EN 892,  1019	
DIAMETER	10.2 mm
WEIGHT	68 g/m
NUMBER OF UIAA FALLS	6
MAX. IMPACT FORCE	9.4 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	6.9 %
DYNAMIC ELONGATION	33 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	44.2 %







INDOOR 9.8

Developed to suit climbers on artificial walls. Its specialty is the braided core, thanks to which allows it to maintain its round shape. High Resistance to top rope climbing and projecting. The increased durability is due to higher fiber density and safer entanglement fall protection. The rope is also slower in the belay. fall protection. The rope is also slower in the belay.

Braided core

High durability

Thicker braid

INDOOR CLIMBING

■

D098TI41S000R BLACK/BLUE

D098TI42S000R BLACK/ORANGE

EN 892,  1019	
DIAMETER	9.8 mm
WEIGHT	63 g/m
NUMBER OF UIAA FALLS	11
MAX. IMPACT FORCE	9.0 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	7.9 %
DYNAMIC ELONGATION	32 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	39 %







INDOOR 10.2i

Top rope that has been specially developed and tested for climbing on artificial walls and top rope climbing. It has a braided core and a high safety factor, which not only training centers and climbing but also for every climber when the climbing conditions weather conditions.

Increased safety

High durability

Popular color design

INDOOR CLIMBING

■

D102TI71S000C RED/YELLOW

D102TI72S000C YELLOW/GREY

EN 892,  1019	
DIAMETER	10.2 mm
WEIGHT	68 g/m
NUMBER OF UIAA FALLS	7
MAX. IMPACT FORCE	8.8 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	8.3 %
DYNAMIC ELONGATION	34 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	35.8 %







TRUST 11

The thickest rope in our portfolio of dynamic ropes. The mix of its parameters together creates a robust and safe rope with high durability and extremely long life. This rope is most often found in rope centers or other climbing schools

Increased safety

High durability

Long service life

INDOOR CLIMBING

■

D110TT41S000C RED

D110TT42S000C YELLOW

EN 892,  1019	
DIAMETER	11 mm
WEIGHT	79 g/m
NUMBER OF UIAA FALLS	16
MAX. IMPACT FORCE	9.1 kN
SHEATH SLIPPAGE	0.4 %
STATIC ELONGATION	5.3 %
DYNAMIC ELONGATION	31 %
KNOTABILITY	1
NUMBER OF BOBBINS	48
SHEATH MASS	39.4 %





32

CLIMBING

CLIMBING

33



MASTER 7.0

It boosts one of the world's "best", and that is its low diameter. You won't find a thinner rope in the world. A very low weight of 34 g/m, it's noticeable. It's the lightest choice for both extreme climbers, ski mountaineers, glacier hikers, as well as for climbing shorter climbing sections in mountains. Certified as double only.

- The world's thinnest rope
- Low weight
- Great handling

CLIMBING AND MOUNTAINEERING

D070TM41C000C

RED

D070TM42C000C

BLUE

EN 892,	
DIAMETER	7 mm
WEIGHT	34 g/m
NUMBER OF UIAA FALLS	14
MAX. IMPACT FORCE	9.6 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	8.4 %
DYNAMIC ELONGATION	33 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	41 %



MASTER 7.8

The ideal choice for all performance levels categories. Its low weight with ideal diameter and other top parameters allow for versatile use. In the mountains, the rope is at home whether you climb more lengths, ice or mixes.

- Low weight
- Ideal diameter
- Suitable for all performance categories

CLIMBING AND MOUNTAINEERING

D078TD42S000C

BLUE

D078TD44S000C

RED

EN 892,		
DIAMETER	7.8 mm	7.8 mm
WEIGHT	38 g/m	38 g/m
NUMBER OF UIAA FALLS	5	16
MAX. IMPACT FORCE	5.7 kN	8.5 kN
SHEATH SLIPPAGE	0 %	0 %
STATIC ELONGATION	10.5 %	8.0 %
DYNAMIC ELONGATION	38 %	35 %
KNOTABILITY	0.9	0.9
NUMBER OF BOBBINS	32	32
SHEATH MASS	44 %	44 %



MASTER 8.5

It could be called the toughest rope in our half rope portfolio. Thanks to the larger diameter and an extremely high number of falls it has become the obvious choice for those looking for the longest life in relation to the diameter of the rope within mountain climbing. It's great as a first rope for the mountains.

- Larger diameter
- High number of falls
- Durability and durability

CLIMBING AND MOUNTAINEERING

D085TF41S000C

GREEN/YELLOW

D085TF42S000C

KHAKI/BLUE

EN 892,		
DIAMETER	8.5 mm	8.5 mm
WEIGHT	46 g/m	46 g/m
NUMBER OF UIAA FALLS	10	25
MAX. IMPACT FORCE	5.3 kN	8.6 kN
SHEATH SLIPPAGE	0.1 %	0.1 %
STATIC ELONGATION	7 %	7 %
DYNAMIC ELONGATION	32 %	30 %
KNOTABILITY	0.8	0.8
NUMBER OF BOBBINS	40	40
SHEATH MASS	46.8 %	46.8 %



MASTER 8.6

It stands out for its low weight, which makes only 50 g/m. It is one of the lightest single ropes in the world! Another important advantage is the triple certification of the rope. It is as made for extreme climbers who it will help them with the most difficult climbs.

- Low weight
- Triple certification
- Advanced climber

CLIMBING AND MOUNTAINEERING

D086TM42C000C

PINK

D086TM43C000C

TURQUOISE

EN 892,			
DIAMETER	8.6 mm	8.6 mm	8.6 mm
WEIGHT	50 g/m	50 g/m	50 g/m
NUMBER OF UIAA FALLS	5	13	30
MAX. IMPACT FORCE	9.9 kN	7.2 kN	11.5 kN
SHEATH SLIPPAGE	0.2 %	0.2 %	0.2 %
STATIC ELONGATION	5.7 %	5.8 %	3.9 %
DYNAMIC ELONGATION	30 %	22 %	23 %
KNOTABILITY	0.8	0.8	0.8
NUMBER OF BOBBINS	48	48	48
SHEATH MASS	34 %	34 %	34 %



MASTER 9.4

The main attribute is versatility. It is about the most commonly used rope diameter and its ratio great. The excellent technical properties are even great. The excellent technical properties are even underlines the SBS system ensuring higher durability and smooth running of the rope in the carabiners. Ideal for performance and advanced climbers.

- Versatile use
- SBS
- Low weight

SPORT CLIMBING

D094TM41S000C

VIOLET

D094TM42S000C

BLUE

D094TM44E000C

BR. ORANGE

EN 892,	
DIAMETER	9.4 mm
WEIGHT	58 g/m
NUMBER OF UIAA FALLS	6
MAX. IMPACT FORCE	7.9 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	6.4 %
DYNAMIC ELONGATION	37 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	37.2 %



MASTER 9.7

Rightly called the "most popular" addition. It has the ideal average for all performance categories, SBS braid system ensuring smoothness in the carabiners and a great creates the perfect, time-tested combination creates the perfect, time-tested combination for all climbing activities where you need a simple rope.

- Favorite diameter
- SBS
- Resistance

SPORT CLIMBING

D097TV41S000C

YELLOW

D097TV42S000C

GREEN

D097TV4AS000C

NEON

D097TV45S000C

BICOLOR

EN 892,	
DIAMETER	9.7 mm
WEIGHT	61 g/m
NUMBER OF UIAA FALLS	7
MAX. IMPACT FORCE	7.9 kN
SHEATH SLIPPAGE	0.1 %
STATIC ELONGATION	6 %
DYNAMIC ELONGATION	37 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	40.9 %

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CLIMBING

CLIMBING

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DANNY MENŠÍK

MASTER PRO 7.6

Worldwide unique rope that boasts three "bests". The thinnest and lightest the half rope with the highest number of falls in this diameter in the world. When used as a half rope, it has met 11 certified falls, and even 28 falls as a "double rope". In addition, the SBS braid system guarantees a higher durability and smoother running in the carabiners.

Low weight

High number of falls

SBS PRO

SPORT CLIMBING

D076TP41C000C

GREEN

D076TP42C000C

ORANGE

EN 892,  1019		
DIAMETER	7.6	7.6 mm
WEIGHT	38	38 g/m
NUMBER OF UIAA FALLS	11	28
MAX. IMPACT FORCE	5.3	8.4 kN
SHEATH SLIPPAGE	-0.3	-0.3 %
STATIC ELONGATION	10.10	6.10 %
DYNAMIC ELONGATION	37	32 %
KNOTABILITY	1	1
NUMBER OF BOBBINS	48	48
SHEATH MASS	37.2	37.2 %





ELIŠKA ADAMOVSKÁ

MASTER PRO 8.9

A great partner for any climber looking for a lightweight, durable, triple-certified rope. With a weight just 52 g/m and SBS PRO braided system for a smoother flow. in carabiners and higher durability thanks to less friction. An excellent choice for demanding projects, where every detail matters.

Improved SBS PRO

Low weight

Triple certification

SPORT CLIMBING

D089TP41C000C

BLACK/PINK

D089TP42C000C

BLACK/TURQUOISE

EN 892,  1019			
DIAMETER	8.9	8.9	8.9 mm
WEIGHT	52	52	52 g/m
NUMBER OF UIAA FALLS	6	18	40
MAX. IMPACT FORCE	9.1	6.7	10.7 kN
SHEATH SLIPPAGE	0.2	0.2	0.2 %
STATIC ELONGATION	6.9	6.9	5.6 %
DYNAMIC ELONGATION	31	26	24 %
KNOTABILITY	0.8	0.8	0.8
NUMBER OF BOBBINS	40	40	40
SHEATH MASS	35	35	35 %





TOM RANDALL*

MASTER PRO 9.2

Made for lovers of versatility. Simple climbing rope with low weight breaks the stigma that a thin rope doesn't last very long. Thanks to the innovative and extremely smooth SBS PRO braid system, the maximum extension of its lifetime, plus it is very soft and great to work with.

SBS PRO

Resistance

Easy handling

SPORT CLIMBING

D092TP41C000C

RED

D092TP43C000C

TURQUOISE

D092TP4AC000C

NEON

EN 892,  1019	
DIAMETER	9.2 mm
WEIGHT	58 g/m
NUMBER OF UIAA FALLS	6
MAX. IMPACT FORCE	9.5 kN
SHEATH SLIPPAGE	0.1 %
STATIC ELONGATION	6.5 %
DYNAMIC ELONGATION	35 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	39.6 %



*Tom Randall says, "In my experience, it's almost impossible to find a rope with good handling/knotability that also has great durability. I found this combination in the Master Pro 9.2 rope."



MASTER PRO 9.7

After careful testing by professional climbers, it was nicknamed indestructible. It is due to the SBS PRO braid system, which provides high durability, excellent handling and smoother carabiners performance.

SBS PRO

Resistance

Popular diameter

SPORT CLIMBING

D097TP41S000C

TURQUOISE

D97TP42S000C

GREEN

EN 892,  1019	
DIAMETER	9.7 mm
WEIGHT	65 g/m
NUMBER OF UIAA FALLS	9
MAX. IMPACT FORCE	8.5 kN
SHEATH SLIPPAGE	-0.4 %
STATIC ELONGATION	9.8 %
DYNAMIC ELONGATION	30 %
KNOTABILITY	0.9
NUMBER OF BOBBINS	40
SHEATH MASS	37.7 %





MASTER TeFIX® 9.0

Lightweight rope enhanced with TeFIX® technology, the perfect compactness of the rope, which is thus more durable and longer lasting. Certified by as single, half and double. Those who go into the mountains and need to use them for their activities with a lightweight and reliable single rope.

TeFIX® technology

Low weight

Triple certification

SPORT CLIMBING

D090MF41S000C

PINK

D090MF42S000C

TURQUOISE

EN 892,  1019			
DIAMETER	9	9	9 mm
WEIGHT	55	55	55 g/m
NUMBER OF UIAA FALLS	6	19	33
MAX. IMPACT FORCE	8.9	6.5	10.8 kN
SHEATH SLIPPAGE	0	0	0 %
STATIC ELONGATION	9.6	9.6	9.6 %
DYNAMIC ELONGATION	31	29	25 %
KNOTABILITY	0.9	0.9	0.9
NUMBER OF BOBBINS	48	48	48
SHEATH MASS	34.5	34.5	34.5 %





MASTER TeFIX® 9.7

The TeFIX®-treated favorite is the ideal rope for all performance categories. TeFIX® treatment ensures zero displacement of the braid, thanks to the permanent core connection with the braid. The result is a durable, soft rope in the ideal diameter.

Compact and durable braid

Popular diameter

Great handling

SPORT CLIMBING

D097MF41S000C

TURQUOISE

D097MF42S000C

PINK

EN 892,  1019	
DIAMETER	9.7 mm
WEIGHT	61 g/m
NUMBER OF UIAA FALLS	8
MAX. IMPACT FORCE	7.9 kN
SHEATH SLIPPAGE	0 %
STATIC ELONGATION	8.1 %
DYNAMIC ELONGATION	35 %
KNOTABILITY	0.8
NUMBER OF BOBBINS	40
SHEATH MASS	34.43 %



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CLIMBING

CLIMBING

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SELECTION OF A SUITABLE CLIMBING ROPE



SELECT THE IDEAL ROPE FOR YOUR CLIMBS

A climbing rope is a key piece of equipment for every climber, to ensure safety and stability during climbs. Ropes are divided into different types according to their diameter, length and properties: Single ropes are used alone. Half-ropes and twin ropes are used in pairs for specific climbing techniques.

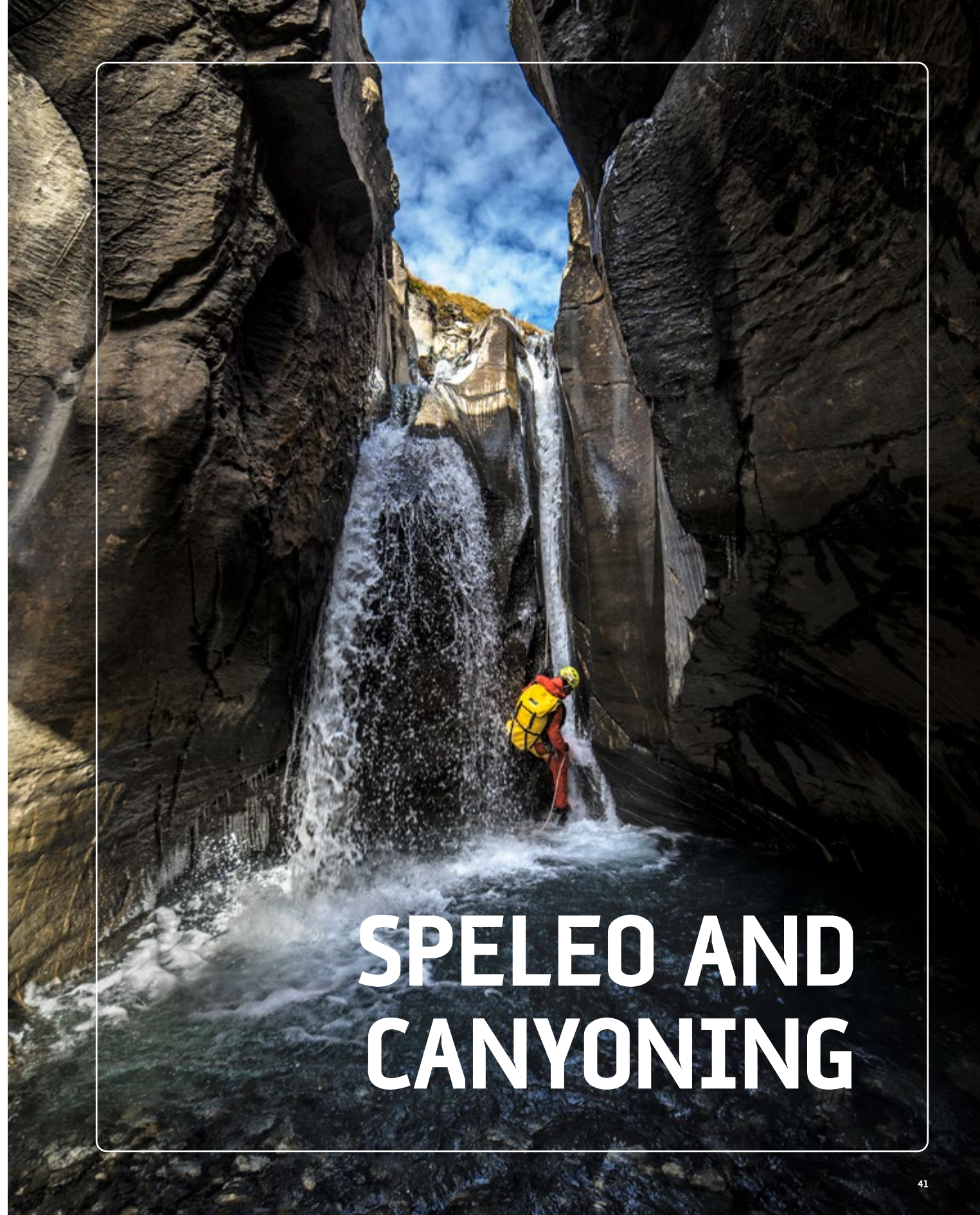
When choosing a rope, it is important to consider the type of climbing and then the diameter, length and other parameters. Detailed instructions on how to choose the right climbing rope can be found on our website.

ROPE	TYPE OF SHEATH	TECHNOLOGY	CERTIFICA-TION	BEGINNER	ADVANCED	EXPERT	ICE/MIX CLIMB-ING	ALPINE CLIMB-ING	BIG WALL	SPORT CLIMB-ING	PRO-JECTING	ONSIGHT	INDOOR	TOPROPE
ALPINE 7.9	TANDEM		ⓂⓉ	○	●	○	○	●						
AMBITION 8.5	TANDEM		Ⓜ	●	○		○	●						
AMBITION 9.8	TANDEM		①	●	●					●	●		●	○
AMBITION 10	SBS		①	●	○					●	●		●	○
AMBITION 10.5	TANDEM		①	●						○	●		●	○
AMBITION TeFIX® 10.2	TANDEM	TEFIX	①	●					○	●	○		●	○
ANNIVERSAL 9.5	TANDEM		①	●	●	●	○	●	●	●	●	●	●	●
HATTRICK 9.7	SBS	SECURE	①	○	●	○			○	●	●		●	●
HATTRICK 10.2	SBS	SECURE	①	●	○				●	○	●		○	●
INDOOR 9.8	TANDEM		①	●	○					○			●	●
INDOOR 10.2I	TANDEM		①	●									○	●
TRUST 11	TANDEM		①										○	○
MASTER 7	TANDEM		Ⓣ			●	○	●						
MASTER 7.8	TANDEM		ⓂⓉ		●	●	●	●			○			
MASTER 8.5	TANDEM		ⓂⓉ	●	○		●	●			●			
MASTER 8.6	TANDEM		①ⓂⓉ			●		●		●		●		
MASTER 9.4	SBS		①		●	●	○			●	○	○	●	
MASTER 9.7	SBS		①	○	●	○				●	○		●	○
MASTER PRO 7.6	SBS PRO		ⓂⓉ		●	●	●	●			●			
MASTERPRO 8.9	SBS PRO		①ⓂⓉ		○	●	●	●		●		●		
MASTERPRO 9.2	SBS PRO		①		●	●	○			●	●	○	●	
MASTERPRO 9.7	SBS PRO		①	○	●	○	○		●	●	●		●	○
MASTERTEFIX TeFIX® 9	TANDEM	TEFIX	①ⓂⓉ		○	●	●	●		○		●		
MASTERTEFIX TeFIX® 9.7	SBS	TEFIX	①	●	●	○	○		○	●	○		●	○



Ropes for all adrenaline junkies enthusiasts who love to get through mountain riverbeds and narrow gorges, rappelling down waterfalls, swimming through pools, sliding down natural formations and love to rappel down into the mysterious darkness of the caves.

← **Photo** Laso Schaler, Jeanne Picant in the picture
 ↑↑ **Photo** Matthias Holzinger, Laso Schaler in the picture
 ↑ **Photo** Ines Riepl, Laso Schaler in the picture



SPELEO AND CANYONING



CANYON DRY 9.0

Lightweight polyamide rope with impregnation that significantly increases water and abrasion resistance. The rope is supple and soft even after a long time use. Its distinctive color ensures all canyoning enthusiasts a great overview. The original gear for everyday adventures.

- Low weight
- Impregnation
- Contrasting color

C090TD41C000CRED

EN 1891,  1019

DIAMETER	9 mm
WEIGHT	59 g/m
MIN. NUMBER OF FALLS	16
RELATIVE MASS OF SHEATH	44 %
SHEATH SLIPPAGE	0.2 %
ELONGATION (50-150KG)	3.6 %
SHRINKAGE	1 %
TENACITY	30 kN
MIN. TENACITY WITH KNOTS	18.4 kN
MATERIAL	PA
TYPE	A
FLOATING	NO





CANYON GRANDE 10.0

If you are looking for a rope that fits perfectly for the water, you've come to the right place with Canyon Grande at the right place. It boasts excellent knotability, maximum abrasion resistance and the ability to float on the surface, where it can also go through its colorful design.

- Float
- Resistance
- Bright color

C100TC41S000CYELLOW

EN 1891,  1019

DIAMETER*	10 mm
WEIGHT	61 g/m
MIN. NUMBER OF FALLS**	5
RELATIVE MASS OF SHEATH	47 %
SHEATH SLIPPAGE	-0.2 %
ELONGATION (50-150KG)	3.2 %
SHRINKAGE	1.7 %
TENACITY	18 kN
MIN. TENACITY WITH KNOTS	12 kN
MATERIAL	PA/PPV
TYPE	A
FLOATING	YES





CANYON WET 10.0

Polyamide rope with excellent abrasion resistance and higher strength. Its color stands out in water and ensures good visibility of the rope at all times canyoning. Due to the used material, it is non-floating.

- Durability
- Softness
- Bright color

C100TW48W000CORANGE

EN 1891,  1019

DIAMETER	10 mm
WEIGHT	66 g/m
MIN. NUMBER OF FALLS	20
RELATIVE MASS OF SHEATH	38 %
SHEATH SLIPPAGE	-0.3 %
ELONGATION (50-150KG)	2.5 %
SHRINKAGE	0.8 %
TENACITY	30 kN
MIN. TENACITY WITH KNOTS	18 kN
MATERIAL	PA
TYPE	A
FLOATING	NO



*Tested according to EN 1891 type B except min. tenacity and material; **Weight 55 kg, fall factor 1



SALAMANDER 10.2

Lightweight floating rope with Secure technology, which ensures minimal stretch. It has thicker braid. Thanks to its construction and the materials, its shrinkage is minimized in humid environments

- Secure technology
- Floats
- Minimal shrinkage

C102TS41S000CYELLOW/RED

EN 1891,  1019

DIAMETER*	10.2 mm
WEIGHT	60 g/m
MIN. NUMBER OF FALLS **	20
RELATIVE MASS OF SHEATH	41.7 %
SHEATH SLIPPAGE	0 %
ELONGATION (50-150KG)	2.5 %
SHRINKAGE	0 %
TENACITY	23 kN
MIN. TENACITY WITH KNOTS	13 kN
MATERIAL	PA/PPV
TYPE	A
FLOATING	YES





SPELEO 9.0 - 11.0

Rope developed specifically for the needs of all cavers. It is characterized by low elongation, high static strength and superior abrasion resistance. With increasing diameter the strength of the rope increases.

- Resistance
- Strength
- Low elongation

S090TS41S000CWHITE/ORANGE
S100TS41S000CWHITE/ORANGE
S105TS41S000CWHITE/ORANGE
S110TS41S000CWHITE/ORANGE

EN 1891,  1019

DIAMETER	9	10	10.5	11	mm
WEIGHT	48	63	72	77	g/m
MIN. NUMBER OF FALLS	8	16	20	20	
REL. MASS OF SHEATH	42	40	46	42	%
SHEATH SLIPPAGE	-0.3	0	0.1	-0.4	%
ELONGATION	4.1	3.7	3	3.3	%
SHRINKAGE	1	1.8	1.4	0.3	%
TENACITY	19	27	28	33	kN
MIN. TENACITY W/ KNOTS	12	16	18	17	kN
MATERIAL	PA	PA	PA	PA	
TYPE	B	A	A	A	
FLOATING	NO	NO	NO	NO	





SPELEO 10.5 SPECIAL

Extra durable rope for all passionate cavers. The main attribute and difference braid, which can withstand even higher heat braid, which can withstand even higher heat stress. Other indispensable attributes are high static strength and low elongation.

- Higher braid resistance
- Strength
- Low elongation

S105TG41S000CWHITE/BLUE

EN 1891,  1019

DIAMETER	10.5 mm
WEIGHT	76 g/m
MIN. NUMBER OF FALLS	12
RELATIVE MASS OF SHEATH	50 %
SHEATH SLIPPAGE	0.5 %
ELONGATION (50-150KG)	2.7 %
SHRINKAGE	1 %
TENACITY	34 kN
MIN. TENACITY WITH KNOTS	18 kN
MATERIAL	PES/PA
TYPE	A
FLOATING	YES



*Tested according to EN 1891 type B except material and number of falls; **Weight 55 kg, fall factor 1

42 SPELEO AND CANYONING

SPELEO AND CANYONING 43



Comprehensive equipment for all tree climbers. Whether you are working on maintenance urban greenery, or perform professional in the tree canopy, we offer you'll find equipment that combines high durability with maximum flexibility, so you can work efficiently and safely in the most demanding conditions.





TIMBER EVO 11.0

Great arborist rope with small diameter. It's fast, great to handle and thanks to contrasting yellow color, it won't get lost in the richest tree tops. On request is available with a braided eye.

- Low weight
- Bright color
- Handling

L110TT41S000CBR. YELLOW

EN 1891,  1019

DIAMETER	11	mm
WEIGHT	88	g/m
MIN. NUMBER OF FALLS	20	
RELATIVE MASS OF SHEATH	57	%
SHEATH SLIPPAGE	0	%
ELONGATION (50-150KG)	3.1	%
SHRINKAGE	0.7	%
TENACITY	30	kN
MIN. TENACITY WITH KNOTS	18	kN
MATERIAL	PES/PA	
TYPE	A	





TIMBER EVO 11.5

A popular arborist rope that has passed several improvements. The design of its has made it an abrasion-resistant rope, and therefore longer-lasting. Shiny orange-yellow color ensures that the rope always clearly visible. It is available on request with a braided eye.

- Resistance
- Long service life
- Bright color

L115TE42S000CORANGE/YELLOW

EN 1891,  1019

DIAMETER	11.5	mm
WEIGHT	90	g/m
MIN. NUMBER OF FALLS	20	
RELATIVE MASS OF SHEATH	54	%
SHEATH SLIPPAGE	0.5	%
ELONGATION (50-150KG)	3	%
SHRINKAGE	1	%
TENACITY	30	kN
MIN. TENACITY WITH KNOTS	18	kN
MATERIAL	PES/PA	
TYPE	A	





TIMBER EVO 12.5

The thickest rope in the Timber Evo arborist rope range in bright orange. It is characterized by high strength and also excellent abrasion resistance, but you will already notice these properties in its weight, which is much higher than other models in this series. Available with a braided eye on request.

- Fortress
- Resistance
- Bright color

L125TT41S000CBR. ORANGE

EN 1891,  1019

DIAMETER	12.5	mm
WEIGHT	104	g/m
MIN. NUMBER OF FALLS	20	
RELATIVE MASS OF SHEATH	48	%
SHEATH SLIPPAGE	0	%
ELONGATION (50-150KG)	3	%
SHRINKAGE	0.6	%
TENACITY	39	kN
MIN. TENACITY WITH KNOTS	22	kN
MATERIAL	PES/PA	
TYPE	A	





LOWERING ROPE 15.0

Polyester lowering rope with lower diameter. Very easy to handle, especially when lowering and braking loads. At the same time it is characterized by increased strength.

- Increased strength
- Excellent handling
- Low diameter

L150TT41S000CYELLOW/BLACK

EN 813, EN358,  1019

DIAMETER	15	mm
WEIGHT	172	g/m
MIN. NUMBER OF FALLS	-	
RELATIVE MASS OF SHEATH	-	%
SHEATH SLIPPAGE	-	%
ELONGATION (50-150KG)	-	%
SHRINKAGE	-	%
TENACITY	61	kN
MIN. TENACITY WITH KNOTS	-	kN
MATERIAL	PES	





TIMBER SIT

Fully adjustable harness for positioning, specially developed for the needs of arborists. It is equipped with a padded lumbar belt and legs adapted for work adjustable buckles, side eyelets, and a hanging point according to EN 813:2008. It has aluminium adjustable buckles with exclusion risk of accidental unfastening.

It is primarily designed for fall arrest, for working at height to secure against for fall protection when working in trees. Provided by comfortable support in the lumbar region, great freedom of movement and a high positioning comfort when working.

XPTH-030MXL

EN 813, EN358,  1019

SIZE	M-XL	XXL
WEIGHT	1780	1820 g



PRUSIKS 8 AND 10 MM

The use of the PES/TECHNORA material combination results in a better thermal and mechanical resistance of the sheath. Supplied in any length or as prusiks made to measure with sewn eyes.

P080TA000

RED

P100TA000

YELLOW/BLACK

EN 566, EN795B,  1019





TIMBER 3

Reep cord in color clearly visible in the treetops.

A030TT21S000C	ORANGE
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ROPE DIAMETER	3 mm
WEIGHT	2,5 g/m
TENACITY	0,8 kN
MATERIAL	PE



TIMBER 8 & 10

Auxiliary cord made of PES/TECHNORA material with increased thermal and mechanical resistance of the braid.

A080TP21S000C	
A100TP41S000C	

EN 564,  1019

ROPE DIAMETER	8	10 mm
WEIGHT	54	73 g/m
TENACITY	20	25 kN
MATERIAL	PES/TECHNORA	PES/TECHNORA
UIAA	YES	NO



THROWING BAG

Rope bag for throwing rope in three colors designs. Made of synthetic material fitted with a textile mesh on one side, on the other side steel mesh on the other side.

XTIMBERBAG300
XTIMBERBAG350
XTIMBERBAG400

 1019

WEIGHT	300	350	400	G/M
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HELMET MOUSE

The MOUSE WORK safety helmet provides maximum protection (electrical insulation, liquid metal splash, side deformation and low temperature use). Universal size (52–64 cm), available in three colors in three colors (red, yellow, white).

 99718AR02KK RED
 99718AW02KK WHITE
 99718AY02KK YELLOW

EN 397



BOLT PULLEY TU 401

Hammer suitable for use when felling trees with simple and safe opening screw system. Closing mechanism prevents accidental opening during use.

 XPTU401 BLACK	
 XPTU401 BLUE	
 XPTU401 GOLD	
 XPTU401 RED	

Material		
Body	Forged aluminium	
Main pivot pin	Stainless steel	
Rollers	Aluminium	

DIMENSIONS	176×96×88 mm
WEIGHT	1380 g
MIN. TENACITY	100 kN
LOADING CAPACITY	20 kN
SAFETY FACTOR	5:1
MAX. ROPE DIAMETER	Up to 18 mm
HOLE DIAMETER IN AXIS	18 mm



ARBORIST MINI PULLEY

Simple rope pulley made of forged aluminium, fitted with ball bearing.

 XTU420 BLACK	
 XTU420 BLUE	
 XTU420 ORANGE	

EN 12278:2007

DIMENSIONS	80×40×37 mm
WEIGHT	105 g
MIN. TENACITY	25 kN
LOADING CAPACITY	5 kN
SAFETY FACTOR	5:1
MAX. ROPE DIAMETER	DO 13.5 mm
HOLE DIAMETER IN AXIS	16 mm

MATERIAL
Aluminium alloy



STEEL TREE CLIMBING SPIKES DR 2A

Aluminium tree climbing treads with high shin 11 mm thick padding – fixation with leather straps. The footbed set comes with 2 pairs of interchangeable* hardened steel spikes:

- Short – 43 mm inner edge
- Long – 67 mm inner edge

XDR-2A

MATERIAL
Aluminium alloy, steel, leather



STEEL TREE CLIMBING SPIKES DR 1

Steel climbing feet with adjustable calf padding, which is equipped with a metal plate supporting the foot, connected jointed with an arch. With high shin support – 11 mm thick padding – fixation with leather straps. The set of footrests is supplied with 2 pairs of interchangeable* hardened steel spikes:

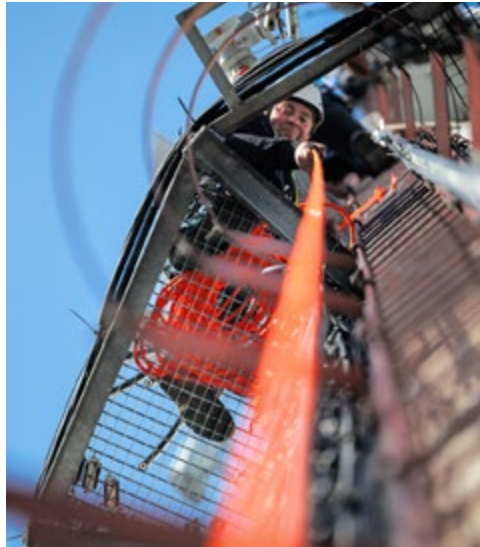
- Short – 43 mm inner edge
- Long – 67 mm inner edge

XDR-1

MATERIAL
Steel, leather

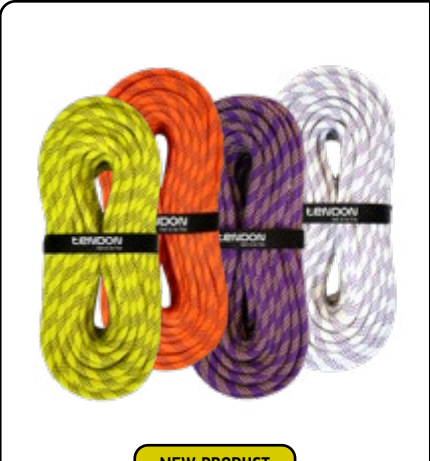
EN 564,  1019

*Available spare parts will be supplied upon request.



Static ropes from the Working at heights and rescue section ensure the safety of all those who work high above the ground or working on rescue of others. Their quality is backed by patented technologies that guarantee a unique construction and high strength.

WORK AT HEIGHTS AND RESCUE



NEW PRODUCT

eSTATIC 11.0

High performance static rope with polyamide core and polyester braid. It features less static elongation, is less susceptible to moisture, more resistant to abrasion. Available in vibrant colors suitable for work on roofs, for example, or for better orientation in the ropes during handling in rope handling.

- Durability
- Less static elongation
- Color design

L110NE41S000C		WHITE
L110NE42S000C		YELLOW
L110NE43S000C		ORANGE
L110NE44S000C		PURPLE

EN 1891:1998, typ A / NFPA 2500 Tech. Use

DIAMETER	11 mm
WEIGHT	84 g/m
MIN. NUMBER OF FALLS	20
RELATIVE MASS OF SHEATH	43 %
SHEATH SLIPPAGE	0,3 %
ELONGATION (50-150KG)	2,6 %
SHRINKAGE	-2 %
TENACITY	35 kN
MIN. TENACITY WITH KNOTS	20 kN
MATERIAL	*PES/PA
TYPE	A



SECURE 10.5-11

A rope where safety comes first . Unique sandwich construction knitted layers and the use of specially developed staple fibers ensures the rope's ability to hold a suspended person or load even in the event of a significant damage to the braid or core without causing complete breakage of the rope. Suitable everywhere, where there is a risk of mechanical damage to the rope.

- Security
- Secure technology
- Colorful design

L105TE41S000C		RED/YELLOW
L105TE42S000C		YELLOW/RED
L110TE43S000C		YELLOW/BLUE
L110TE44S000C		BLUE/YELLOW
L110TE57S000C		BLACK

EN 1891, Ⓢ 1019

DIAMETER	10,5 11 mm
WEIGHT	72 82 g/m
MIN. NUMBER OF FALLS	16 20
RELATIVE MASS OF SHEATH	38 33 %
SHEATH SLIPPAGE	0 0 %
ELONGATION (50-150KG)	4,6 3,4 %
SHRINKAGE	1,2 0,8 %
TENACITY	28 32 kN
MIN. TENACITY WITH KNOTS	17 17 kN
MATERIAL	- -
TYPE	A A



STATIC 9.0 TYPE A

Thanks to its unique design and state-of-the-art technology, the rope meets the EN standard 1891 Type A, thus providing a full-fledged static rope that can be used for rigging in every situation. Perfect for emergency services where the weight difference can play a crucial part.

- Low diameter
- Low weight and volume
- Meets Type A

L090TS41A000C		WHITE
---------------	--	-------

EN 1891, Ⓢ 1019

DIAMETER	9 mm
WEIGHT	61 g/m
MIN. NUMBER OF FALLS	5
RELATIVE MASS OF SHEATH	41 %
SHEATH SLIPPAGE	0 %
ELONGATION (50-150KG)	3,3 %
SHRINKAGE	1,9 %
TENACITY	24 kN
MIN. TENACITY WITH KNOTS	15 kN
MATERIAL	PA
TYPE	A



*Braid/Core



STATIC 9.0-13.0

Great static ropes for all rope access technicians. They are characterized by low elongation and also high static strength. Ideal ropes for work at heights or for securing people over open space. Available in three colors and a total of six diameters. The strength of the rope increases with increasing diameter.

- Low extensibility
- Static strength
- Multiple diameters

L###TS41S000C		WHITE
L###TS42S000C		RED
L###TS43S000C		BLUE

REPLACE ### WITH THE APPROPRIATE DIAMETER CODE 090/100/105/110/120/130

EN 1891, Ⓢ 1019

DIAMETER	9 10 10,5 11 12 13 mm
WEIGHT	51 69 70 80 90 109 g/m
MIN. NUMBER OF FALLS	9 20 20 20 20 20
RELATIVE MASS OF SHEATH	49 38 37 39 34 45 %
SHEATH SLIPPAGE	0,4 0,1 0 0,3 0,5 0 %
ELONGATION (50-150KG)	5 4,1 3,4 3,7 3,2 3,1 %
SHRINKAGE	-0,6 2 1,9 0,1 1,8 0,6 %
TENACITY	21 31 32 33 41 41 kN
MIN. TENACITY WITH KNOTS	13 17 18 20 25 26 kN
MATERIAL	PA PA PA PA PA PA
TYPE	B A A A A A



TIED TO BE
RESCUED



STATIC NFPA 10.5–12.0

Powerful static ropes with low elongation and high strength. Great for working at heights and for securing persons above free depth. They are certified and meet the life saving requirements of NFPA 2500 (1983), 2022 ED and also according to the European standard EN 1891:1998.

- Meet NFPA 200 (1983), 2022 ED
- Strength
- Low elongation

L105NS41S000C



WHITE

L110NS41S000C



WHITE

L120NS41S000C



EN 1891,  1019					NFPA 2500 (1983), 2022 ED				
DIAMETER	10.5	11	12	mm	DIAMETER	10.5	11	12	mm
WEIGHT	72	82	87	g/m		0.413	0.433	0.472	in
MIN. NUMBER OF FALLS	20	20	20		MBS*	29	40,5	42	kN
RELATIVE MASS OF SHEATH	34	33	35	%	MBS**	6519	9105	9442	lbs
SHEATH SLIPPAGE	0	-0.1	4	%	WEIGHT	72	83	87	g
ELONGATION (50-150KG)	3.6	3.5	3.2	%	ELONGATION (10% MBS)	7	8.4	7.4	%
SHRINKAGE	0.3	4.5	1.8	%	ELONGATION 1.35 kN (300 LBF)	4.1	3.6	2.3	%
TENACITY	32	40.5	42	kN	ELONGATION 2.70 kN (600 LBF)	6.4	6.2	4.7	%
MIN. TENACITY WITH KNOTS	17	15	25	kN	ELONGATION 4.40 kN (1000 LBF)	9.5	9.5	7.8	%
MATERIAL	PA	PA	PA		CLASSIFICATION	TECH	GEN	GEN	
TYPE	A	A	A						





STATIC NFPA 16.0

Excellent performance rope with low elongation and high static strength. It is designed for working at heights and for securing persons above free depth. We recommend especially for rescue operations, high-altitude work and securing persons above open space, for armed forces and police. Rope is certified and meets the requirements for life saving according to NFPA 2500 (1983), 2022 ED.

L160NS41S000C



BLACK

NFPA 2500 (1983), 2022 ED				
DIAMETER	16 mm			
	0.629 in			
MBS*	56 kN			
MBS**	12589 lbs			
WEIGHT	160 g			
ELONGATION (10% MBS)	9.4 %			
ELONGATION 1.35 kN (300 LBF)	1.2 %			
ELONGATION 2.70 kN (600 LBF)	3.0 %			
ELONGATION 4.40 kN (1000 LBF)	5.8 %			
CLASSIFICATION	GENERAL			





DOWNLOAD NOW

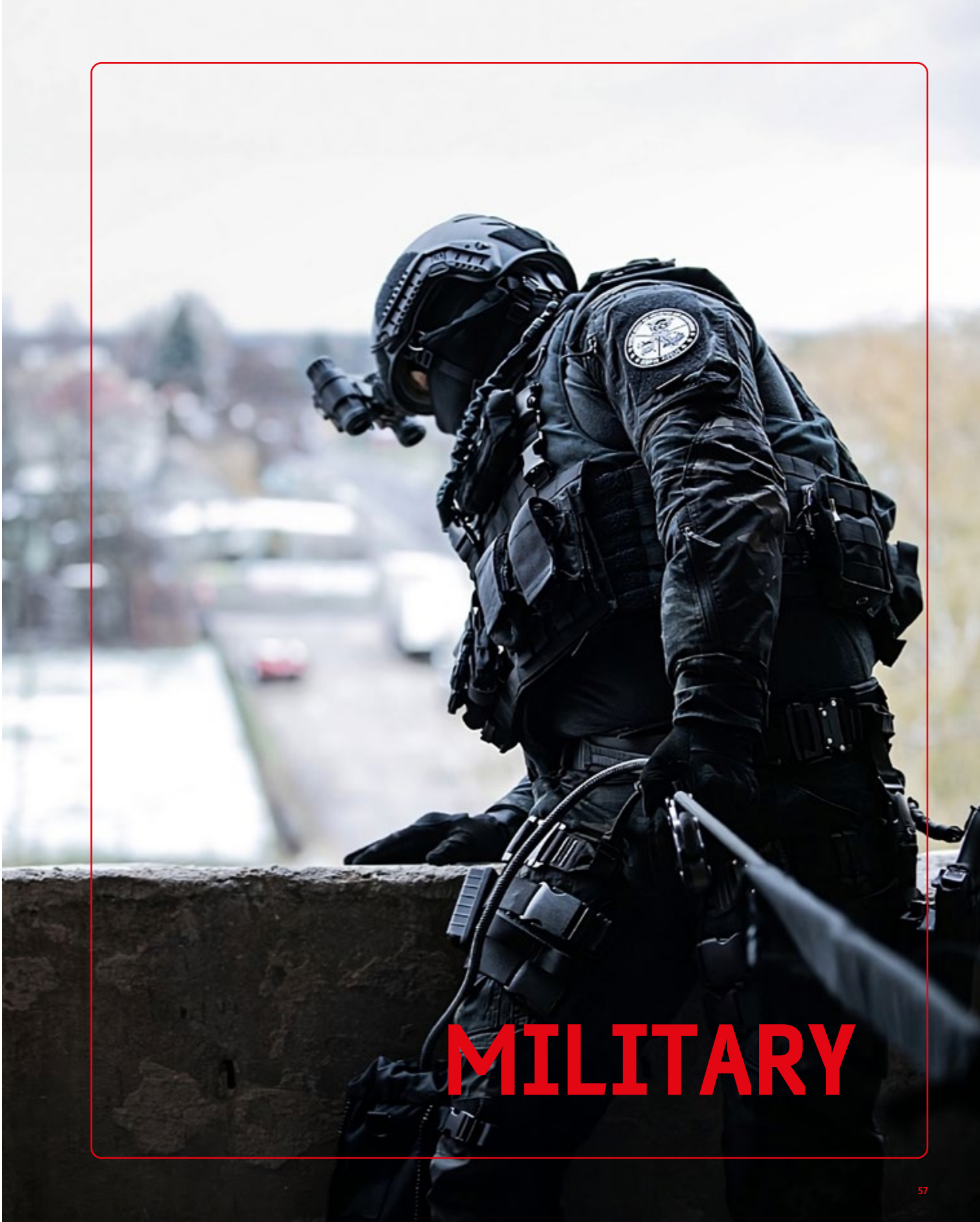


TENOTE 2.0 APP and mobile approach to identification, marking and recording of work and climbing ropes.

More information at www.mytendon.com



Maximum performance, safety and reliability in the toughest conditions, these are the main requirements for ropes in the category Military. Whether for military operations, special training or rescue missions, these ropes simply do not disappoint.



MILITARY



ARAMID 10.0, 11.0

Durable static ropes with aramid braid and polyamide core. High strength, significantly increased abrasion resistance, short-term resistance to open flame and radiant heat up to 400°C. Perfect for special police and Military response units for rapid helicopter drops where conventional ropes cannot withstand the heat energy generated.

- Short-term fire resistance
- Aramid braid
- High strength

L100TA42S000C



BLACK

L110TA41S000C



BLACK

EN 1891,  1019 *

DIAMETER	10	11	mm
WEIGHT	67	81	g/m
MIN. NUMBER OF FALLS	10	5	
RELATIVE MASS OF SHEATH	49	48	%
SHEATH SLIPPAGE	0	1,9	%
ELONGATION (50-150KG)	3,5	2,9	%
SHRINKAGE	-2,1	0	%
TENACITY	28	44	kN
MIN. TENACITY WITH KNOTS	15	18	kN
MATERIAL	Aramid/PA	Ar./PA	
TYPE	B	A	





FORCE 10.0, 11.0

The main attribute of these ropes is patented technology for combining material and the rope construction itself. They are designed for use in extremely demanding conditions, especially for safety and rescue forces due to the increased resistance to cutting.

- Patented technology
- Increased cut resistance
- Suitable for extreme conditions

L100TF41S000C



BLACK

L110TF41S000C



BLACK

EN 1891,  1019 **

DIAMETER	10	11	mm
WEIGHT	68	84	g/m
MIN. NUMBER OF FALLS	5	5	
RELATIVE MASS OF SHEATH	36	41	%
SHEATH SLIPPAGE	0	0,5	%
ELONGATION (50-150KG)	3,5	3,6	%
SHRINKAGE	2,3	3	%
TENACITY	24	26	kN
MIN. TENACITY WITH KNOTS	13	15	kN
MATERIAL	PA/Steel	PA/St.	
TYPE	B	A	





STATIC 9.0-12.0 MILITARY EDITION

Great static ropes in military design designed for the armed forces and police. They are characterized by low elongation, and high static strength. Available from in five diameters.

- Low elongation
- Static strength
- Design

L##TS44S000C



BLACK

L##TS45S000C



GREEN

L##TS46S000C



CAMOUFLAGE

L##TS4KS000C



DESERT STORM

L##TS47S000C



SOLID BLACK

REPLACE ### W/ DIAM. CODE: 090/100/105/110/120

EN 1891,  1019

DIAMETER	9	10	10,5	11	12	mm
WEIGHT	50	69	72	80	90	g/m
MIN. NO. OF FALLS	15	20	20	20	20	
REL. MASS OF SHEATH	49	38	36	39	34	%
SHEATH SLIPPAGE	0,4	0,1	0,1	0,3	0,5	%
ELONG. (50-150KG)	5	4,1	3,6	3,7	3,2	%
SHRINKAGE	0,6	2	1,9	1,9	1,8	%
TENACITY	23	31	32	33	41	kN
MIN. TEN. W/ KNOTS	13	17	18	20	25	kN
MATERIAL	PA	PA	PA	PA	PA	
TYPE	B	A	A	A	A	



*Aramid: Tested in acc. to the EN 1891 standard with the exception of impact force **Force: 10 mm tested in acc. to EN 1891 type B, except for material and markings, and 11 mm in acc. to EN 1891 type A with the exception of material and markings

58 MILITARY



REFLECTIVE 11.0

Specially developed rope with braided reflective light to facilitate identification the rope in darkness or low visibility. This feature is especially appreciated by rescue workers, cavers and divers.

- Reflective indicator light
- Durability
- Low elongation

L110TS49S000C



BLACK

EN 1891,  1019

DIAMETER	11	mm
WEIGHT	80	g/m
MIN. NUMBER OF FALLS	20	
RELATIVE MASS OF SHEATH	39	%
SHEATH SLIPPAGE	0,3	%
ELONGATION (50-150KG)	3,7	%
SHRINKAGE	1,9	%
TENACITY	33	kN
MIN. TENACITY WITH KNOTS	20	kN
MATERIAL	PA	
TYPE	A	

SEWN ENDS ON REQUEST



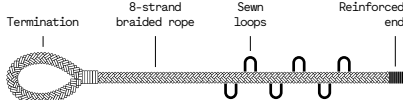
A STEEL END CAP

B SHORT END, SEWN EYE WITH TEXTILE PROTECTION

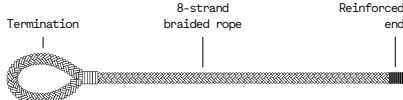
C BRAIDED EYE WITH TEXTILE PROTECTION

- High strength **braided eye lid** and durability, for frequent stresses and load, e.g. during training.
- Express mesh** (sewn eye lid termination), lightweight and especially short mesh with large strength. The shanks are protected by PES ripstop fabric, which protects against punctures and wear. Simple Check seams and extrusions by removing protection, in case of danger the rope can be.
- Eye with metal end cap** (eye lid with metal termination) for various types of hooks for various types of suspension hooks.

FAST ROPE USED FOR RAPID DEPLOYMENT FROM HELICOPTERS



F.R.I.E.S. ROPES FOR TRANSPORT AND EVACUATION OF PERSONS



 1019

DIAMETER OF THE ROPE IN TENSION EN ISO 2307 (245 KG)	32	40	44	MM
ROPE DIAMETER WITHOUT TENSION	38	46	50	MM
WEIGHT OF ROPE IN TENSION, EN 2307 (245 KG)	42	60	77	KG/100 M
WEIGHT OF ROPE WITHOUT TENSION	52	75	96	KG/100 M
MIN. STRENGTH WITH BRAIDED TEXTILE MESH	7 500	10 000	12 000	KG
MIN. STRENGTH WITH SEWN MESH WITH TEXTILE PROTECTION	6 000	6 000	6 000	KG
MIN. STRENGTH WITH METAL END CAP	-	3 000	3 000	KG
MIN. STRENGTH WITH SEWN LOOPS (F.R.I.E.S.)	2 500	2 500	2 500	KG
ELONGATION OF THE ROPE, IN PRESTRESSING, EN ISO 2307 (245 KG)	25	25	25	%

MILITARY 59



Essentials for safe
and effective climbing
or working at heights

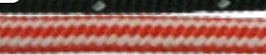


ACCESSORIES

ACCESSORY CORDS

Reep cords made of high durable material, they excel in strength, low weight and excellent flexibility for easy handling.

PREVIEW

	A040TR41S100R	BLUE/YELLOW	4	12,7	340
	A040TR42S100R	RED	4	12,7	340
	A050TR41S000R	YELLOW	5	18,9	510
	A050TR42S000R	BLUE	5	18,9	510
	A060TR41S000R	GREEN	6	25	1000
	A060TR42S000R	RED	6	25	1000
	A070TR41S000R	RED	7	34	1300
	A070TR42S000R	YELLOW	7	34	1300
	A080TR4S000R	RED	8	43	1460
	A080TR41S100R	ORANGE	8	43	1460
	A060TA41S100R	BLACK	6	22,9	1650
	A060TR44S100R	BLACK	6	23,2	1000
	A060TT41S000R	WHITE/RED	6	23,2	1000

ARAMID

REFLECTIVE

EN 564,  1019



POWER CORDS

Durable, easily knotted auxiliary cord, suitable for securing climbing equipment.

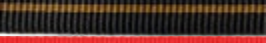
PREVIEW

	A020TH41S100R	BLUE	2	2,8	120
	A020TH42S1003	YELLOW	2	2,8	120
	A030TH41S00R	BLUE	3	6,5	190
	A030TH42S00R	BLACK	3	6,5	190
	A090TR41S100R	RED	9	54,4	1900

TUBULAR TAPE

Tubular tape for various uses, for example to connect the chest and seat harness. Available in different widths, strengths and more color options.

PREVIEW

	12C3PAP0EXP20	RED	19	15
	12C3PAP0EXP20	BLACK	19	15
	12C3PAP0EXP25Ĉ	RED	25	20
	12C3PAP0EXP25Ž	YELLOW	25	20

WIDTH
(mm)

TENACITY
(kN)



DUCK

Kong blocker/positioner designed for ropes with diameters between 8 and 13 mm. flat and hollow loops in widths from 10-15 mm. Thanks to the small it can be handled with one hand. The large diameter of the hole allows rotation of the carabiner. It is designed for ascent maneuvers and self-locking.

-  X88800NB00KK CYAN
-  X88800NG00KK GREEN
-  X88800NN00KK BLACK
-  X88800NR00KK RED

Standard EN 576
Weight 70 g



ASCENDERS AND DESCENDER

Blockers and figure '8' Italian brand Kong used mainly for rope climbing.

LIFT - LEFT

-  X896D04S00KK GRAY
-  X896NN4S00KK BLACK

CHEST BLOCKER

-  X82400R400KK RED
-  X82400N400KK BLACK
-  X82400O400KK ORANGE
-  X82400B400KK BLUE

LIFT - RIGHT

-  X896B04D00KK CYAN
-  X896NN4D00KK BLACK
-  X896004D00KK ORANGE
-  X896R04D00KK RED

'8' DESCENDER

-  X80503B400KK BLUE
-  X80503N400KK BLACK
-  X80503R400KK RED
-  X80503P100KK GRAY

EN 576
160 g

EN 576
225 g

-
110 g



CARABINERS

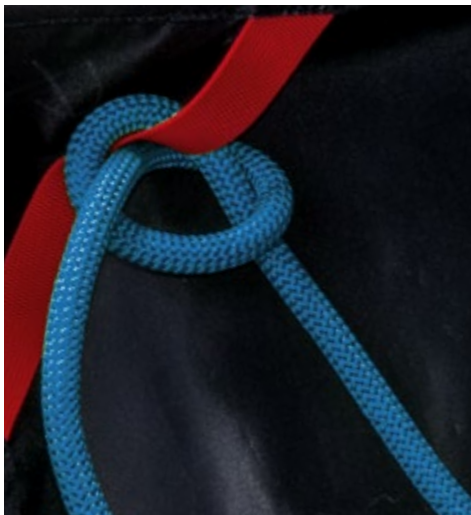
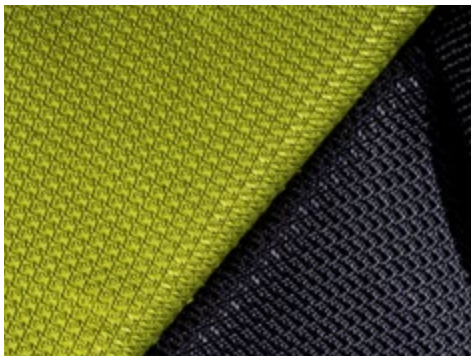
Kong and Protekt climbing and working carabiners. Available in multiple color options. Full range of carabiners available on request.



-  X786MA0DBDKK GRAY
-  X786MA0NNKK BLACK
-  X786MA0NOKK ORANGE
-  X786MA0RNPCK RED
-  X786MA0PPPKK POLISHED
-  X719H30D00KK SILVER
-  X719H30B00KK CYAN
-  X783I10NN0KK BLACK
-  XPSHAZ019T BLACK

ID #	X786_	X719_	X783_	XPSH_
Standard EN	12275, 362B	12275	12275, 362B	362B
Major axis strength	22 kN	21 kN	27 kN	-
Minor axis strength	8 kN	8 kN	10 kN	-
Open gate strength	6 kN	7 kN	9 kN	27 kN
Weight	90 g	31 g	30 g	95 g





GEAR BAG
SPECIALLY
DESIGNED
FOR THE
NEEDS OF
CLIMBERS



HELMETS ORBIX

Ergonomically padded interior, ventilation with 17 holes and a fully adjustable chin strap. Simply adjustable system.

- ↳ Very light weight
- ↳ Ventilation with 17 holes
- ↳ 3 headlamp attachments

- XT-ORBIXGREEN20
- XT-ORBIXRED
- XT-ORBIXWHITE

CE (EN 12492)

MATERIAL: OUTER SHELL	POLYCARBONATE
MATERIAL: INNER SHELL	EPS
SIZE	UNI 54/62 cm
WEIGHT	270 g



GEAR BAG

Backpack specially designed for the needs of climbers. Almost full-circle zipper allows convenient access to the main compartment, where additional pockets and loops for organizing equipment. On the top of the backpack there is a handy a pocket for small items. The back system includes removable mattress for sitting. The backpack has a padded back, anatomically shaped shoulder straps and adjustable waist and chest straps. In the case of a full main compartment, the drawstring straps on the top on the upper part of the backpack, a rope can be attached. The backpack is supplied with a tarp under the rope.

- ↳ Adjustable waist and chest strap
- ↳ Padded back Includes a rope tarpaulin with cover
- ↳ Rope can be attached from the top using the drawstring straps
- ↳ Top material made of robust polyester with PU coating and water-repellent finish

- XTENDON GEAR BAG S
- XTENDON GEAR BAG S

MATERIAL OF UPPERS	1000D polyester
DIMENSIONS (WxHxD)	34x56x26 cm
CAPACITY	45 l



HARNESS JAMMY

Very lightweight unpadded harness for via ferrata, mountains and glaciers. It is produced in a universal size with reinforced binding with a reinforced tie-down point, a color-coded belay eye and a material loop. Also suitable for artificial climbing walls, climbing schools and ski mountaineering.

XT-JAMMY

EN 12277, © 1019

Waist size	60↔120 cm
Leg loops size	42↔66 cm
Weight	370 g



HARNESS COMP

A bindings designed especially for via ferrata and beginners. It has reinforced legs and tie points, and for attaching the material it has one strap. It optimizes the position of the body when hanging on the rope or after a fall. Prevents upside down twisting.

XT-COMP

EN 12277, © 1019

Waist size	65↔120 cm
Leg loops size	42↔66 cm
Weight	505 g



HARNESS CANYON SIT

A simple, unpadded canyoning harness, based on the design of the Jammy harness. Made of strong, durable material waterproof. Removable neoprene protector and reinforced tie-down points make it an ideal part of your canyoning gear.

XT-CANYON

EN 12277, © 1019

Waist size	60↔120 cm
Leg loops size	42↔66 cm
Weight	550 g



HARNESS SCOUT

The SCOUT chest harness is used in combination with a sit-up harness. Two buckles are used for adjustment and according to the position of the harness it is possible to select The height of the attachment can also be adjusted.

Attention! Do not use the chest harness alone.

XT-SCOUT

GIRTH OF GIRTH	75↔110 cm
Weight	240 g



MASTERCORD 7.8

Dynamic sling that can absorb impact energy during a fall thus reducing the load on both the user and the anchor point. This loop can be used both for undocking and for establishing a shield or belay.

QUICKDRAW & SEWN SLINGS

Quickdraws and sewn slings You'll need this sling when the progressive locking. It's lightweight, durable, made of polyester. Alternatives are Dyneema sling, which are ultra strong, very light and easy to work with.

DYNAPROT 10

The DynaProt 10 is made of dynamic rope and is therefore able to absorb the energy of a dynamic fall and, thanks to its ductility, dampen it. Dynaprot 10 has been tested with a fall factor of 1 and 2. Even with a fall factor of 2, this fall arrest device is able to arrest 9 falls. The impact force is lower than the maximum permitted by EN 892 even at a fall factor of 2.

EN 566,  1019

	LENGTH (cm)	MIN. STRENGTH (kN)
 MC078C060	60	22
 MC078C120	120	22
 MC078C180	180	22

EN 566,  1019

TYPE	PES/PA					
LENGTH	10	15	20	60	120	180 cm
WIDTH	16	16	16	16	16	16 mm
MIN. STRENGTH	22	22	22	22	22	22 kN

TYPE	DYNEEMA®					
LENGTH	10	15	20	60	120	180 cm
WIDTH	11	11	11	11	11	11 mm
MIN. STRENGTH	22	22	22	22	22	22 kN

	TYPE	LENGTH (CM)
DP100C045	CLASSIC	45
DP100C060	CLASSIC	60
DP100C075	CLASSIC	75
DP100YS000	Y SHORT	45
DP100Y000	Y	75

STATIC TENACITY		22 KN
FALL FACTOR 1	IMPACT FORCE	7,4 KN
	MIN. NO. OF FALLS	20
FALL FACTOR 2	IMPACT FORCE	10,7 KN
	MIN. NO. OF FALLS	9



ROPE CLEANER

Highly effective concentrated enzymatic detergent 0.5 l. The advantage of the detergent gel is that it dissolves well in water and it leaves the ropes as they were before washing. Not only in terms of the colors, but especially of their physical properties.

XPRACIGEL03

MAGNESIUM

Magnesium (magnesium carbonate) in a practical plastic container Perfect natural chalk specially designed for mountaineering activities.

XTENDON MAGNESIUM

WEIGHT 350 g



ROPE PROTECTOR

Protection of the rope against penetration when moving over the edge. Durable PVC case with easy Velcro closure.

ROPE_PROTECTOR



ROPE TARP

Black tarp in 120x120 cm with practical braided handles. Protects the rope from dust and dirt.

XT-ROPE TARP BLACK



ROPE CUTTER + CUTTING BLADE

Equipment for rope cutting. Supplied separately as cutter and blade.

TAVNÁ ČEPEL TYP R - XCEPEL-R
ŘEZAČKA HSG - XPAJKA-HSG0



ROPE MARKER

Tendon permanent marker, its composition will not damage the structure of the rope and you'll find the markers where you drew them.

XROPE MARKER

GREEN WAY



Enhance your outfit with a fashion accessory and support a good cause and sustainability at the same time. How to do it? Get an original accessory from our Green Way range. This entire collection is made from leftover braid material in a sheltered workshop near Frýdek-Místek. By buying it you will do two good things deeds. Improve your karma every day!



 HOODIE UNISEX Pleasant and comfortable material with zipper full length. Fluorescent elements and large hood with contrasting color in micro perforated fabric and two pockets. SIZE S, M, L, XL, XXL MATERIAL 85% COTTON, 15% VISCOSE ID NUMBER TENDON HOODIE BLACK S-XXL	 TEE W'S Women's short sleeve cotton t-shirt with a slightly fitted cut. SIZE S, M, L, XL MATERIAL 100% COTTON WEIGHT 160 g/m² ID NUMBER TENDON WOMAN S-XL BLACK	 TEE M'S Men's cotton T-shirt with short sleeves and a round neckline, comfortable to wear. SIZE S, M, L, XL, XXL MATERIAL 100% COTTON WEIGHT 160 g/m² ID NUMBER TENDON MAN S-XL BLACK
 SNAPBACK CAP Stylish Tendon cap with straight visor and embroidery in a combination of bright neon and white. SIZE ONE SIZE ID NUMBER XTENDON CAP BLACK	 CAP Close-fitting cap made of breathable elastic soft material construction with high thermal insulation for extreme climates conditions. Ideal under a helmet when climbing. SIZE ONE SIZE MATERIAL ROUBAIX - 80% POLYESTER, 20% ELASTANE ID NUMBER XCAP GREEN / BLACK	 MULTI-FUNCTIONAL SCARF Practical multi-functional scarf that protects you from wind, snow and sun. You can into a headband, a hood, a pirate, a scarf for or a hairband. SIZE ONE SIZE MATERIAL 100% POLYESTER ID NUMBER XHEADSCARF GREEN / BLACK

 BACKPACK Braided material was used for production climbing rope, which we recycle and to make a practical and elegant accessory. Zipper closure and plastic clasp. Available from available in two colors. CAPACITY 12 l DIMENSIONS (WxH) 32x43 cm ID NUMBER XT-TEXTILE BAG 12	 BELT Unique belt made of braided climbing rope material, available in multiple colors in one length. LENGTH 122 cm ID NUMBER XTBELTX.XX	 BRAIDED BRACELET Stylish bracelet with practical clasp available with stud or clasp in three sizes and different colors designs. SIZE 20/22/24 cm ID NUMBER XBRACELETX.XX
 SHORT KEY CHAIN Original short keyring made of braids climbing ropes available in various in different colors. LENGTH 10 cm ID NUMBER KEYCHAINX.XX	 LONG KEY CHAIN Original key chain in extended version, made of climbing rope braids LENGTH 45 cm ID NUMBER LONGCHAINX.XX	 NALGENE BOTTLE Nalgene bottle in original Tendon design should not be missing in any climbing gear. It has a handy flip-up cap with an anti-opening lock and is impact-resistant. SIZE 650 ml ID NUMBER XNALGENE BOTTLE

TENDON ACADEMY

STORAGE LIFE

LIFESPAN

DYNAMIC AND STATIC ROPES

THE MAXIMUM STORAGE LIFE IN UNUSED CONDITION WITHOUT LIMITATION TO LIFE SPAN MAKES UP TO 5 YEARS.

This is conditional on optimum storage conditions: clean place protected against light, without chemical, physical and mechanical effects, in normal climate of 15–25 °C and a relative humidity of about 65%. An examination of the rope by competent person authorized by the manufacturer) once every six months is mandatory.

In the process of rope production, the fibers are mechanically doubled, twisted and braided in several stages. In this way fibers finally attain a condition of mechanically induced stress. A long-term storage leads to retardation and relaxation. This means that stress in macromolecules is "relieving". This phenomenon is not harmful, on the contrary it is connected with an improvement of dynamic properties. Research works showed that the result of tests of dynamic performance of ropes that had been (optimally) stored for several years were often better than values measured immediately after production. Polyamide also does not contain additives and softeners like, for example, PVC that could diffuse out. This is the reason why no embrittlement occurs.

In addition, the in-the-meantime standardized finishing of fibers by nanotechnological treatment offers an additional protection. In case of present-time advanced materials, a considerable negative change of properties of the product in a time interval of 5 years can be excluded provided that optimum storage conditions are maintained.

DYNAMIC ROPE

Due to different influences on use and specialities of use it is impossible to give an exact numerical value, only a roughly estimated time value can be specified.

Depending on frequency and intensity of use, external effects as abrasion, contamination, mechanical loading (static), rope work (lowering and/or abseiling), loading by falls (dynamic), intensive action of UV radiation, aggressive climatic conditions etc. lead to reduction of safety reserve of the dynamic rope:

→ The consequences of abseiling and lowering are reduction of dynamic performance and reduction of safety reserve of the rope.

→ Abrasion leads to gradual weakening of consistency of the sheath. Heavier abrasion makes the sheath "hairier" and reduces the loadability of the sheath and its protective effect on the rope core.

→ Particles of impurities and rocks inside the rope, especially in combination with heavy performance of the rope, result in abrasion of fine fibers of the core and the sheath. The particles act as abrasive sand and lead to reduction of the load-bearing cross section of the fibers, especially during frequent abseiling/lowering.

→ Dynamic load results in loss of rope performance – the ability of arresting dynamic (impact) energy decreases. This depends on the hardness of the fall considerably (hardness of the fall is given by the belay method and the fall factor; falls with a fall factor of > 1 are classified as hard falls according to the general state of the art).

Safety investigation performed by mountaineering associations reveal that if the rope sheath is not excessively damaged and shows no signs of heavy abrasion, a loading by falls with a fall factor < 0.5 and correct dynamic belaying does not represent a safety risk provided that the rope is not resting on sharp edges.

STATIC ROPE

As to aging of static ropes, it is impossible to give an exact numerical value, only a roughly estimated time value can be specified. This information does not relieve the user of the mandatory examination of the rope by a competent person authorized by the manufacturer) after use.

Depending on frequency and intensity of use, external effects as abrasion, contamination, mechanical loading (static), rope work (lowering and/or abseiling) loading by falls (dynamic), intensive action of UV radiation, aggressive climatic conditions etc. lead to reduction of static and dynamic performance (safety reserve) of the static rope.

The crucial influencing factors for safety of static ropes are external effects, as for instance:

→ Sharp edges that may have fatal consequences even at a slight tension of the rope!

→ Abseiling and lowering (rope work) lead to loss of dynamic and static performance. For instance, frequent abseiling with high load forms clusters of fused (melted) fibers in the rope sheath as a result of the heat inevitably developed by friction.

→ Abrasion leads to gradual weakening of consistency of the sheath. Heavier abrasion makes the sheath "hairier".

→ Internal wear – particles of impurities and rocks inside the rope, especially in combination with heavy performance of the rope, result in abrasion of fine fibers of the core and the sheath. The particles act as abrasive sand and lead to reduction of the load-bearing cross section of the fibers, especially during frequent abseiling.

INDICATIVE ROPE LIFE TABLE

→ Loading by falls – due to the low dynamic elongation, loading by falls with a fall factor of 0,3 or greater must be essentially excluded.

Because, unlike dynamic ropes, the main task of static ropes does not consist in safe catch of falls but in a quasi-static loading with a minimum dynamic stress only, a macromolecular stretching occurs when the rope is used correctly which, however, has no adverse effects on the maximum tensile force and the elongation of the rope. In case of an alternating to repeated (cyclic) loading of up to 20% of the maximum tensile strength of the rope with approximately 10,000 loading cycles, a residual force at break of the rope of > 75% may be expected.

EXAMPLE TENDON 11 mm STATIC

Maximum tensile force 40,0 kN

Residual force at break – Knot 16,5 kN

Residual force at break after approx. 10,000 cycles of repeated (cyclic) loading of up to 20% (=6 kN) 30,0 kN

Those parameters shown in example are high above required norm EN1891 for static rope type A.

Occasionally used (several times a year) no intensity of use that would be worthwhile of note, no significant mechanical or fall load, no recognizable abrasion or soiling.	8-10 YEARS
Occasional use (several times a year) with high intensity of use, mechanical loading (suspension, occasional lowering or abseiling), without fall arrest. signs of use: slight wear, slight contamination, negligible hairiness.	5-8 YEARS
Frequent use (several times a month) with low intensity of use, without considerable mechanical loading (suspension, occasional lowering or abseiling) or fall arrest. signs of use: no signs of heavy wear, slight contamination, hardly recognizable hairiness.	
Very frequent use (several times a week) with low intensity of use, without considerable mechanical loading or fall arrest. signs of use: signs of heavy wear, slight contamination, recognizable hairiness.	3-5 YEARS
Very frequent use (several times a week) with high intensity of use, mechanical loading (suspension), but without fall arrest. signs of use: signs of wear, obvious hairiness, slight vitrification.	
Intensive use (every day) with normal intensity of use, without considerable mechanical loading or fall arrest. signs of use: obvious wear, obvious hairiness, heavy contamination.	1-3 YEARS
Intensive use (every day) with high intensity of use, mechanical loading (suspension), but without fall arrest. signs of use: heavy wear, vitrification, contamination and hairiness.	≤ 1 YEARS

Extreme loading by falls or other strong mechanical, physical, climatic or chemical effects can damage the rope so heavily that it must be discarded immediately. The rope must be discarded immediately also in case the user has the slightest doubt about the safety and the perfect condition of the rope.

TESTING OF CLIMBING ROPES

IN ACCORDANCE WITH EN 892

DIAMETER

This parameter is measured with a 10 kg load for single ropes, 6 kg for half ropes and 5 kg for twin ropes. This would imply that testing the exact diameter of ropes under domestic conditions is quite difficult.

WEIGHT

The mass of a rope is measured for a length of one meter. A single rope without any added finish weights 52 to 88 g/m, a half rope about 50 g and twin rope approximately 42 g/m. The rope's core must account for at least 50% of its total mass.

NUMBER OF STANDARD FALLS

This gives the number of falls the rope being tested under conditions given by the EN 892. This standard requires a minimum of 5 falls with a load of 80 kilograms for single ropes. Half ropes are tested with a 55 kg load. For twin ropes, the two ropes are under a constant load of 80 kilograms and the minimum number of falls is 12. The number of falls withstood during testing is a direct measurement of a rope's margin of safety (strength). In practice, no new rope will break under a sudden load if the rope is in good condition and has been properly handled.

A rope will gradually become less safe as its material ages and as it becomes worn from use, as these factors reduce its strength. Moisture can also reduce a rope's strength by degrading the polyamide fibers used for making the rope.

MAXIMUM IMPACT FORCE

Impact force is the force that occurs during a first fall under defined conditions (mass of the load, fall factor, etc.) and that is absorbed by the rope. Under testing, the impact force increases for each additional test fall the rope is subjected to. How fast the impact force increases determines the number of standard falls withstood. The higher the number of standard falls, the longer the service life of the rope for the user.

The practical use of ropes in real climbing or on training walls is different from laboratory conditions. During standard rope tests, the end of the rope is firmly secured, but in real climbing, belaying equipment and systems allow for some slippage of the rope, breaking the fall dynamically.

Dynamic belaying dissipates some of the fall's energy, thereby lowering the impact force. For that reason, it is important to know how to use appropriate dynamic belaying.

STATIC ELONGATION

Usable static elongation is tested by applying an 80 kg load to the rope. Elongation may not exceed 10% for single ropes (one strand) and twin ropes (two strands tested in tandem) and 12% for half ropes (one strand).

SHEATH SLIPPAGE

Using a special machine, this test determines how much the surface of a rope will slip relative to the core when subjected to a load. The EN 892 establishes that slippage may not exceed 1% (20 mm) when stretching a length of rope measuring 2250 (+/- 10 mm). If the sheath slides over the core during actual climbing, it can lead to bulges and so-called stockings. If the ends of ropes have not been sealed properly, the core at the end of the rope can come loose from the sheath or the sheath may extend longer than the core.

The ends of our ropes are sealed with ultrasound into one indivisible whole and if the limits for slippage are complied with, the situation described above will not occur.

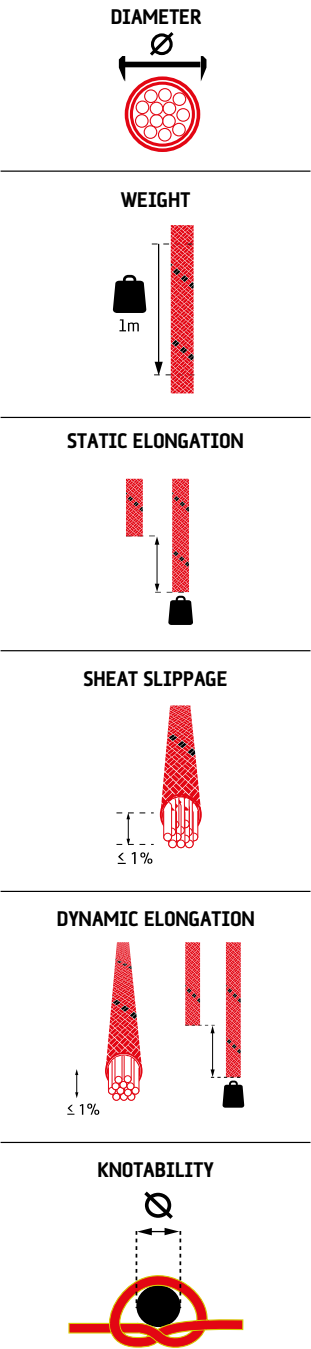
DYNAMIC ELONGATION DURING A FIRST DROP

This parameter measures the elongation of the rope during the first standard drop. The maximum allowable dynamic elongation is 40%. This measurement is a better indicator of the rope's properties than the static elongation value.

KNOTABILITY

One of the most important requirements for mountain climbing rope is outstanding flexibility. How is this measured? A section of the tested rope is tied into a simple knot. Weight is then applied to the rope (10 kg for a single rope). Then the interior diameter of the knot is measured. The ratio between that diameter and the diameter of the rope gives the coefficient of knotability.

ATTENTION Poor rope flexibility practically makes it difficult to tie knots and pass the rope through carabiners of the progressive locking system. The rope flexibility is reduced by the elements and poor care.



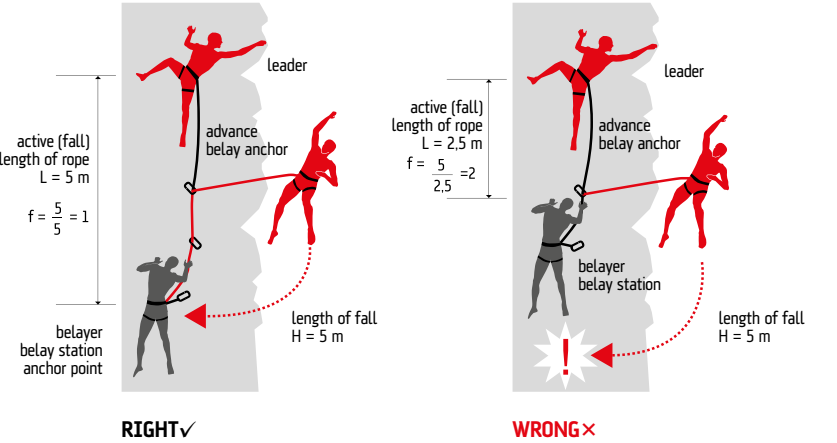
An in-house test facility including a drop tower was built for testing Tendon ropes. Newly developed ropes go to the European testing laboratories for certification already fully prepared and with known technical parameters. The Tendon ropes are tested mainly in the accredited testing facility in Ostrava — Radvanice.

REQUIREMENTS OF STANDARD EN 892 DYNAMIC CLIMBING ROPES

MONITORED PARAMETER	SINGLE ROPE	HALF ROPE	TWIN ROPE
ROPE DIAMETER	Undefined	Undefined	Undefined
ROPE WEIGHT	Undefined	Undefined	Undefined
SHEATH SLIPPAGE	1% (± 20 mm)	1% (± 20 mm)	1% (± 20 mm)
STATIC ELONGATION	Max. 10% *	Max. 12% *	Max. 10% **
DYNAMIC ELONGATION	Max. 40% +	Max. 40% ***	Max. 40% ++
IMPACT FORCE OF THE FIRST FALL	Max. 12 kN +	Max. 8 kN ***	Max. 12 kN ++
MIN. NUMBER OF FALLS	5 +	5 ***	12 ++

* One strand of rope tested
** Two strands of rope tested
*** One strand of rope tested, 55 kg weight
+ One strand of rope tested, 80 kg weight
++ Two strands of rope tested, 80 kg weight

ATTENTION The fall factor is also decisive for the magnitude of the impact force – it is practically irrelevant, but how big the impact factor is. A 5 m long fall with a fall factor $f = 1$ will show a much lower impact force than a fall of the same length with a factor of $f = 2$. The energy of the climber's fall is absorbed by the so-called "active rope length" (in red in the figure).



TESTING OF ACCESSORY CORD

IN ACCORDANCE WITH EN 564

DIAMETER

According to EN 564, cords should have diameters of 4, 5, 6, 7 and 8 mm. Diameters 2 mm – avalanche cord, 3 mm for the hammer cord and 9 mm for the power cord, do not conform to the standard.

STRENGTH

The minimum strengths of cords according to EN 564 are as follows the following table:

DIAMETER (mm)	MINIMUM STRENGTH (kN)
4	3.2
5	5.0
6	7.2
7	9.8
8	12.8

TESTING ROPES WITH LOW ELONGATION – STATIC ROPES

IN ACCORDANCE WITH EN 1891

DIAMETER

This quantity is measured with a 10 kg load on the rope. The ropes may have a minimum diameter of 8.5 mm and a maximum of 16 mm.

ELONGATION

Usable static elongation is measured by applying a test load of 150 kg (after 50 kg pretensioning). Elongation may not exceed 5%.

STATIC STRENGTH

This is always stated on tags on the ropes. It varies according to the diameter of the rope and the kind of Used material. EN 1891 requires that group A ropes have a minimum static strength of 22 kN and that Type B ropes have a minimum static strength of 18 kN.

ATTENTION! THE MAXIMUM RECOMMENDED LOAD IS 1/10 OF THE NOMINAL STRENGTH STATED ON THE PRODUCT LABEL.

REQUIREMENTS WITH RESPECT TO MATERIAL PROPERTIES

According to EN 1981, static ropes must be manufactured from a material that has a melting point higher than 195 °C, so they may not be made using polyethylene and polypropylene. Ropes made for those materials for canyoning are not subject to that norm, although they fulfill

the norm with respect to static strength and other parameters.

SHEATH SLIPPAGE

This parameter is important mainly during rappelling on static ropes – if this parameter of a rope is insufficient, a safe descent could be endangered by the bunching of the rope’s sheath in front of the rappelling brake. For Type A ropes, slippage may not exceed ca. 20 mm for a 2 m length of rope (this applies to ropes with a diameter of up to 12 mm). For Type B ropes, slippage may not exceed 15 mm.

DYNAMIC PERFORMANCE

The testing equipment is similar to that used for testing climbing ropes, except that the rope is ca. 2 m long. At the ends it is tied in figure eight knots and it is tested with five falls with a fall factor of 1. During the test, the rope must withstand all five falls. Type A ropes are tested with a load of 100 kg. Type B ropes are tested with a load of 80 kg.

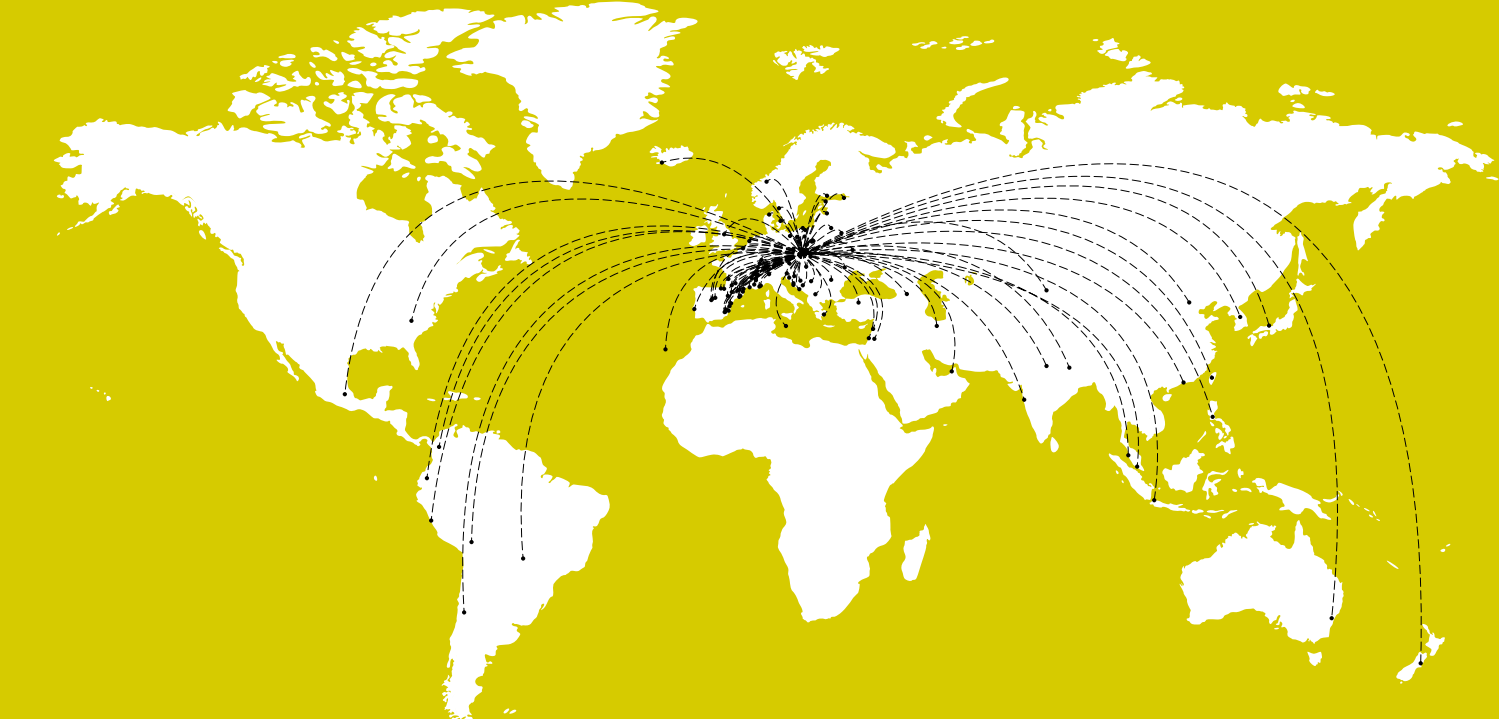
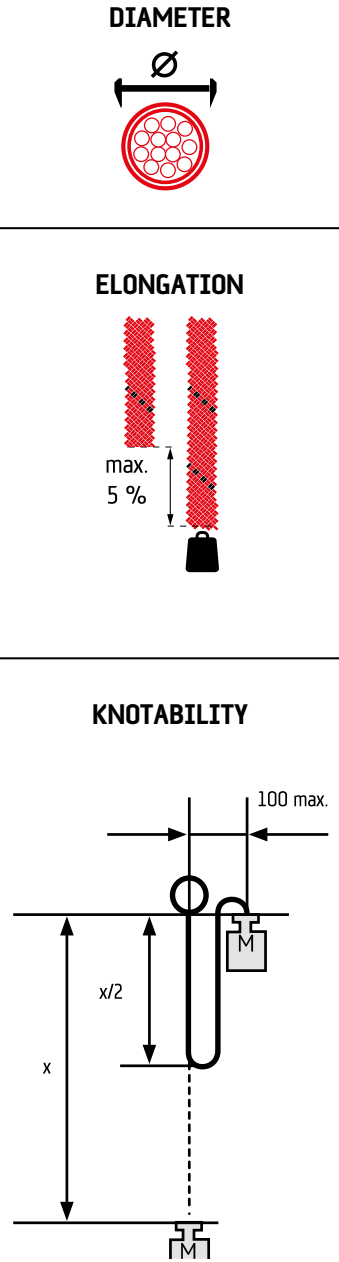
KNOTABILITY

This is tested in the same way as mountain climbing ropes: it must not be possible to insert a bar with a diameter greater than a multiple of 1.2 times the diameter of the rope into the opening in the knot tightened by the testing force.

MONITORED PARAMETER	TYPE A	TYPE B
ROPE DIAMETER	8.5–16 mm	8.5–16 mm
KNOTABILITY COEFFICIENT	Max. 1.2	Max. 1.2
SHEATH SLIPPAGE	Max. 20 mm*	Max. 15 mm*
ELONGATION	Max. 5%	Max. 5%
SHRINKAGE	Not defined	Not defined
IMPACT FORCE	Max. 6 kN	Max. 6 kN
NO. OF FALLS WITH A FALL FACTOR OF 1	Min. 5	Min. 5
STRENGTH WITHOUT KNOTS	Min. 22 kN	Min. 18 kN
STRENGTH WITH KNOTS	Min. 15 kN (3 minutes)	Min. 12 kN (3 minutes)

*Type A 20 mm + 10 mm up to 12 mm diameter, 20 mm + 5 mm for diameter between 12.1–16 mm.

DISTRIBUTORS



ROPES OVERVIEW

ARBORIST

NAME	ø (mm)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	MIN. NO. OF FALLS	RELATIVE MASS OF SHEATH (%)	SHEATH SLIPPAGE (%)	ELONGATION (50–150 kg)	SHRINKAGE (%)	TENACITY (kN)	MIN. TENACITY W/ KNOTS (kN)	MATE- RIAL	TYPE	PAGE
TIMBER EVO	11	BR. YELLOW		L110 TT41S000C	88	20	57	0	3.1	0.7	30	18	PES/PA	A	46
TIMBER EVO	11.5	BR. ORANGE		L115 TE42S000C	90	20	54	0.5	3	1	30	18	PES/PA	A	46
TIMBER EVO	12.5	BR. ORANGE		L125 TT41S000C	104	20	48	0	3	0.6	39	22	PES/PA	A	46
LOWERING ROPE	15	YELLOW/BLACK		L150 TT41S000C	172	-	-	-	-	-	61	-	PES	-	47

MILITARY

NAME	ø (mm)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	MIN. NO. OF FALLS	RELATIVE MASS OF SHEATH (%)	SHEATH SLIPPAGE (%)	ELONGATION (50–150KG) (%)	SHRINKAGE (%)	TENACITY (kN)	MIN. TENACITY W/ KNOTS (kN)	TYPE	PAGE
ARAMID*	10	BLACK		L100 TA42S000C	67	10	49	0.1	3.5	-2.1	28	15	B	58
ARAMID*	11	BLACK		L110 TA41S000C	81	5	48	1.9	2.9	0	44	18	A	58
FORCE**	10	BLACK		L100 TF41S000C	68	5	36	0	3.5	2.3	24	13	B	58
FORCE***	11	BLACK		L110 TF41S000C	84	5	41	0.5	3.6	3	26	15	A	58
REFLECTIVE	11	BLACK		L110 TS49S000C	80	20	39	0.3	3.7	1.9	33	20	A	59
STATIC MILITARY ED.	9	BLACK		L090 TS44S000C	50	15	49	0.4	5	0.6	23	13	B	58
STATIC MILITARY ED.	9	GREEN		L090 TS45S000C	50	15	49	0.4	5	0.6	23	13	B	58
STATIC MILITARY ED.	9	CAMOUFLAGE		L090 TS46S000C	50	15	49	0.4	5	0.6	23	13	B	58
STATIC MILITARY ED.	9	DESERT STORM		L090 TS4KS000C	50	15	49	0.4	5	0.6	23	13	B	58
STATIC MILITARY ED.	9	SOLID BLACK		L090 TS47S000C	50	15	49	0.4	5	0.6	23	13	B	58
STATIC MILITARY ED.	10	BLACK		L100 TS44S000C	69	20	38	0.1	4.1	2	31	17	A	58
STATIC MILITARY ED.	10	GREEN		L100 TS45S000C	69	20	38	0.1	4.1	2	31	17	A	58
STATIC MILITARY ED.	10	CAMOUFLAGE		L100 TS46S000C	69	20	38	0.1	4.1	2	31	17	A	58
STATIC MILITARY ED.	10	DESERT STORM		L100 TS4KS000C	69	20	38	0.1	4.1	2	31	17	A	58
STATIC MILITARY ED.	10	SOLID BLACK		L100 TS47S000C	69	20	38	0.1	4.1	2	31	17	A	58
STATIC MILITARY ED.	10.5	BLACK		L105 TS44S000C	72	20	36	0.1	3.6	1.9	32	18	A	58
STATIC MILITARY ED.	10.5	GREEN		L105 TS45S000C	72	20	36	0.1	3.6	1.9	32	18	A	58
STATIC MILITARY ED.	10.5	CAMOUFLAGE		L105 TS46S000C	72	20	36	0.1	3.6	1.9	32	18	A	58
STATIC MILITARY ED.	10.5	SOLID BLACK		L105 TS47S000C	72	20	36	0.1	3.6	1.9	32	18	A	58
STATIC MILITARY ED.	10.5	DESERT STORM		L105 TS4KS000C	72	20	36	0.1	3.6	1.9	32	18	A	58
STATIC MILITARY ED.	11	BLACK		L110 TS44S000C	80	20	39	0.3	3.7	1.9	33	20	A	58
STATIC MILITARY ED.	11	GREEN		L110 TS45S000C	80	20	39	0.3	3.7	1.9	33	20	A	58
STATIC MILITARY ED.	11	CAMOUFLAGE		L110 TS46S000C	80	20	39	0.3	3.7	1.9	33	20	A	58
STATIC MILITARY ED.	11	SOLID BLACK		L110 TS47S000C	80	20	39	0.3	3.7	1.9	33	20	A	58
STATIC MILITARY ED.	11	DESERT STORM		L110 TS4KS000C	80	20	39	0.3	3.7	1.9	33	20	A	58
STATIC MILITARY ED.	12	BLACK		L120 TS44S000C	90	20	34	0.5	3.2	1.8	41	25	A	58
STATIC MILITARY ED.	12	GREEN		L120 TS45S000C	90	20	34	0.5	3.2	1.8	41	25	A	58
STATIC MILITARY ED.	12	CAMOUFLAGE		L120 TS46S000C	90	20	34	0.5	3.2	1.8	41	25	A	58
STATIC MILITARY ED.	12	SOLID BLACK		L120 TS47S000C	90	20	34	0.5	3.2	1.8	41	25	A	58
STATIC MILITARY ED.	12	DESERT STORM		L120 TS4KS000C	90	20	34	0.5	3.2	1.8	41	25	A	58

* Aramid: Tested in acc. to the EN 1891 standard with the exception of impact force
** Force 10 mm: Tested in acc. to EN 1891 type B, except for material and markings
***Force 11 mm: Tested in acc. to EN 1891 type A with the exception of material and markings

CLIMBING

EN 1891 / CE 1019

NAME	ø (mm)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	NO. OF (UIAA) FALLS			MAX. IMPACT FORCE (kN)			SHEATH SLIPPAGE (%)	STATIC ELONGATION (%)			DYNAMIC ELONG. (%)			KNOTA- BILITY	NO. OF BOBBINS	SHEATH MASS (%)	PAGE	
						①	②	③	①	②	③		①	②	③	①	②	③					
ALPINE	7.9	RED		D079TL41S000C	38		5	16		5.7	8.5	0		10.5	8		38	35	0.9	32	44	32	
ALPINE	7.9	YELLOW		D079TL42S000C	38		5	16		5.7	8.5	0		10.5	8		38	35	0.9	32	44	32	
AMBIITION	8.5	YELLOW		D085TB41S000C	45		9			5.4		0.1		7.6			38		1	32	39.13	30	
AMBIITION	8.5	BLUE		D085TB42S000C	45		9			5.4		0.1		7.6			38		1	32	39.13	30	
AMBIITION	9.8	YELLOW		D098TR41S000C	65	9			7.7		0	6.8					36		0.9	40	39.4	30	
AMBIITION	9.8	GREEN		D098TR42S000C	65	9			7.7		0	6.8					36		0.9	40	39.4	30	
AMBIITION*	9.8	GREEN/BLACK		D098TR45S000C	65	9			7.7		0	6.8					36		0.9	40	39.4	30	
AMBIITION	9.8	BR. YELLOW		D098TR48S000C	65	9			7.7		0	6.8					36		0.9	40	39.4	30	
AMBIITION	10	RED		D100TA41S000C	67	9			8.9		0.2	5					33		1	40	38	31	
AMBIITION	10	BLUE		D100TA42S000C	67	9			8.9		0.2	5					33		1	40	38	31	
AMBIITION	10.5	RED		D105TA41S000C	69	9			9.2		0.1	6.9					34		0.8	48	39.2	31	
AMBIITION	10.5	BLUE		D105TA42S000C	69	9			9.2		0.1	6.9					34		0.8	48	39.2	31	
AMBIITION	10.5	BR. GREEN		D105TA47S000C	69	9			9.2		0.1	6.9					34		0.8	48	39.2	31	
AMBIITION TeFIX®	10.2	YELLOW		D102AF41S000C	67	11			8.3		0	6.9					33		0.8	40	35.24	31	
AMBIITION TeFIX®	10.2	ORANGE		D102AF42S000C	67	11			8.3		0	6.9					33		0.8	40	35.24	31	
ANNIVERSAL	9.5	GREEN/BLUE		D095AN41S000C	57	5			8.3		0.2	8.2					32		0.9	40	40	30	
ANNIVERSAL	9.5	BLUE/BR. ORANGE		D095AN42S000C	57	5			8.3		0.2	8.2					32		0.9	40	40	30	
HATTRICK	9.7	GREEN/BLUE		D097TH41S000C	58	5			9.4		0	8.0					30		1	40	37.02	32	
HATTRICK	9.7	RED/BLUE		D097TH42S000C	58	5			9.4		0	8.0					30		1	40	37.02	32	
HATTRICK	10.2	BLUE		D102TH41S000C	68	6			9.4		0	6.9					33		0.9	40	44.2	32	
HATTRICK	10.2	RED		D102TH42S000C	68	6			9.4		0	6.9					33		0.9	40	44.2	32	
INDOOR	9.8	BLACK/BLUE		D098TI41S000C	63	11			9.0		0	7.9					32		0.9	40	39	33	
INDOOR	9.8	BLACK/ORANGE		D098TI42S000C	63	11			9.0		0	7.9					32		0.9	40	39	33	
INDOOR	10.2	RED/YELLOW		D102TI71S000C	68	7			8.8		0	8.3					34		0.9	40	35.8	33	
INDOOR	10.2	YELLOW/GREY		D102TI72S000C	68	7			8.8		0	8.3					34		0.9	40	35.8	33	
MASTER	7	RED		D070TH41C000C	34			14			9.6	0			8.4			33	0.9	40	41	34	
MASTER	7	BLUE		D070TH42C000C	34			14			9.6	0			8.4			33	0.9	40	41	34	
MASTER	7.8	BLUE		D078TD42S000C	38		5	16		5.7	8.5	0		10.5	8		38	35	0.9	32	44	34	
MASTER	7.8	RED		D078TD44S000C	38		5	16		5.7	8.5	0		10.5	8		38	35	0.9	32	44	34	
MASTER	8.5	GREEN/YELLOW		D085TF41C000C	46		10	25		5.3	8.6	0.1		7	7		32	30	0.8	40	46.8	34	
MASTER	8.5	KHAKI/BLUE		D085TF42C000C	46		10	25		5.3	8.6	0.1		7	7		32	30	0.8	40	46.8	34	
MASTER	8.6	PINK		D086TH42C000C	50	5	13	30	9.9	7.2	11.5	0.2	5.7	5.8	3.9	30	22	23	0.8	48	34	35	
MASTER	8.6	TURQUOISE		D086TH43C000C	50	5	13	30	9.9	7.2	11.5	0.2	5.7	5.8	3.9	30	22	23	0.8	48	34	35	
MASTER	9.4	VIOLET		D094TH41S000C	58	6			7.9		0	6.4					37		0.9	40	37.2	35	
MASTER	9.4	BLUE		D094TH42S000C	58	6			7.9		0	6.4					37		0.9	40	37.2	35	
MASTER	9.4	BR. ORANGE		D094TH44E000C	58	6			7.9		0	6.4					37		0.9	40	37.2	35	
MASTER	9.7	YELLOW		D097TV41S000C	61	7			7.9		0.1	6					37		0.9	40	40.9	35	
MASTER	9.7	GREEN		D097TV42S000C	61	7			7.9		0.1	6					37		0.9	40	40.9	35	
MASTER*	9.7	GREEN/BLACK		D097TV45S000C	61	7			7.9		0.1	6					37		0.9	40	40.9	35	
MASTER	9.7	NEON		D097TV4AS000C	61	7			7.9		0.1	6					37		0.9	40	40.9	35	
MASTER PRO	7.6	GREEN		D076TP41C000C	38		11	28		5.3	8.4	-0.3		10.1	6.1		37	32	1	48	37.2	36	
MASTER PRO	7.6	ORANGE		D076TP42C000C	38		11	28		5.3	8.4	-0.3		10.1	6.1		37	32	1	48	37.2	36	
MASTER PRO	8.9	BLACK PINK		D089TP41C000C	52	6	18	40	9.1	6.7	10.7	0.2	6.9	6.9	5.6	31	26	24	0.8	40	35	36	
MASTER PRO	8.9	BLACK TURQ.		D089TP42C000C	52	6	18	40	9.1	6.7	10.7	0.2	6.9	6.9	5.6	31	26	24	0.8	40	35	36	
MASTER PRO	9.2	RED		D092TP41C000C	58	6			9.5		0.1	6.5					35		0.9	40	39.6	36	
MASTER PRO	9.2	TURQUOISE		D092TP43C000C	58	6			9.5		0.1	6.5					35		0.9	40	39.6	36	
MASTER PRO	9.2	NEON		D092TP4AC000C	58	6			9.5		0.1	6.5					35		0.9	40	39.6	36	
MASTER PRO	9.7	TURQUOISE		D097TP41C000C	65	9			8.5		-0.4	9.8					30		0.9	40	37.7	37	
MASTER PRO	9.7	GREEN		D097TP42C000C	65	9			8.5		-0.4	9.8					30		0.9	40	37.7	37	
MASTER TeFIX®	9	PINK		D090MF41C000C	55	6	19	33	8.9	6.5	10.8	0	9.6				31	29	25	0.9	48	34.51	37
MASTER TeFIX®	9	TURQUOISE		D090MF42C000C	55	6	19	33	8.9	6.5	10.8	0	9.6				31	29	25	0.9	48	34.51	37
MASTER TeFIX®	9.7	TURQUOISE		D097MF41S000C	61	8			7.9		0	8.1					35		0.8	40	34.43	37	
MASTER TeFIX®	9.7	PINK		D097MF42S000C	61	8			7.9		0	8.1					35		0.8	40	34.43	37	
TRUST	11	RED		D110TT41S000C	79	16			9.1		0.4	5.3					31		1	48	39.4	33	
TRUST	11	YELLOW		D110TT42S000C	79	16			9.1		0.4	5.3					31		1	48	39.4	33	

WORK AT HEIGHTS AND RESCUE

EN 1891 / CE 1019

NAME	ø (mm)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	MIN. NO. OF FALLS	RELATIVE MASS OF SHEATH (%)	SHEATH SLIPPAGE (%)	ELONGATION 50–150 kg (%)	SHRINKAGE (%)	TENACITY (kN)	MIN. TENACITY WITH KNOTS (kN)	MATERIAL	TYPE	PAGE
eSTATIC	11	WHITE		L110 NE41 S000C	84	20	43	0.3	2.6	–2	35	20	PES/PA	A	52
eSTATIC	11	YELLOW		L110 NE42 S000C	84	20	43	0.3	2.6	–2	35	20	PES/PA	A	52
eSTATIC	11	ORANGE		L110 NE43 S000C	84	20	43	0.3	2.6	–2	35	20	PES/PA	A	52
eSTATIC	11	PURPLE		L110 NE44 S000C	84	20	43	0.3	2.6	–2	35	20	PES/PA	A	52
SECURE	10.5	RED		L105 TE41 S000C	72	16	38	0	4.6	1.2	28	17		A	52
SECURE	10.5	YELLOW/RED		L105 TE42 S000C	72	16	38	0	4.6	1.2	28	17		A	52
SECURE	11	YELLOW/BLUE		L110 TE43 S000C	82	20	33	0	3.4	0.8	32	17		A	52
SECURE	11	BLUE/YELLOW		L110 TE44 S000C	82	20	33	0	3.4	0.8	32	17		A	52
SECURE	11	BLACK		L110 TE57 S000C	82	20	33	0	3.4	0.8	32	17		A	52
STATIC	9	WHITE		L090 TS41 S000C	51	9	49	0.4	5	–0.6	21	13	PA	B	53
STATIC	9	RED		L090 TS42 S000C	51	9	49	0.4	5	–0.6	21	13	PA	B	53
STATIC	9	BLUE		L090 TS43 S000C	51	9	49	0.4	5	–0.6	21	13	PA	B	53
STATIC	10	WHITE		L100 TS41 S000C	69	20	38	0.1	4.1	2	31	17	PA	A	53
STATIC	10	RED		L100 TS42 S000C	69	20	38	0.1	4.1	2	31	17	PA	A	53
STATIC	10	BLUE		L100 TS43 S000C	69	20	38	0.1	4.1	2	31	17	PA	A	53
STATIC	10.5	WHITE		L105 TS41 S000C	70	20	37	0	3.4	1.9	32	18	PA	A	53
STATIC	10.5	RED		L105 TS42 S000C	70	20	37	0	3.4	1.9	32	18	PA	A	53
STATIC	10.5	BLUE		L105 TS43 S000C	70	20	37	0	3.4	1.9	32	18	PA	A	53
STATIC	11	WHITE		L110 TS41 S000C	80	20	39	0.3	3.7	0.1	33	20	PA	A	53
STATIC	11	RED		L110 TS42 S000C	80	20	39	0.3	3.7	0.1	33	20	PA	A	53
STATIC	11	BLUE		L110 TS43 S000C	80	20	39	0.3	3.7	0.1	33	20	PA	A	53
STATIC	12	WHITE		L120 TS41 S000C	90	20	34	0.5	3.2	1.8	41	25	PA	A	53
STATIC	12	RED		L120 TS42 S000C	90	20	34	0.5	3.2	1.8	41	25	PA	A	53
STATIC	12	BLUE		L120 TS43 S000C	90	20	34	0.5	3.2	1.8	41	25	PA	A	53
STATIC	13	WHITE		L130 TS41 S000C	109	20	45	0	3.1	0.6	41	26	PA	A	53
STATIC A	9	WHITE		L090 TS41A 000C	61	5	41	0	3.3	1.9	24	15	PA	A	52
STATIC NFPA	10.5	WHITE		L105 NS41 S000C	74	20	34	0	3.6	0.3	32	17	PA	A	54
STATIC NFPA	11	WHITE		L110 NS41 S000C	82	20	33	–0.1	3.5	4.5	40.5	15	PA	A	54
STATIC NFPA	12	WHITE		L120 NS41 S000C	87	20	35	4	3.2	1.8	42	25	PA	A	54

WORK AT HEIGHTS AND RESCUE

NFPA 2500 (1983). 2022 ED

NAME	ø (mm/in)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	MBS (kN)	MBS (lbs)	ELONGATION 10% MBS (%)	ELONG. 1.35 kN / 300 LBF (%)	ELONG. 2.70 kN / 600 LBF (%)	ELONG. 4.40 kN / 1000 LBF (%)	NFPA 2500	CLASSI- FICATION (USE)	PAGE
eSTATIC	11 / 0.433	WHITE		L110 NE41 S000C	84	35	25	3	6	8.2	9	YES	TECHNICAL	52
eSTATIC	11 / 0.433	YELLOW		L110 NE42 S000C	84	35	25	3	6	8.2	9	YES	TECHNICAL	52
eSTATIC	11 / 0.433	ORANGE		L110 NE43 S000C	84	35	25	3	6	8.2	9	YES	TECHNICAL	52
eSTATIC	11 / 0.433	PURPLE		L110 NE44 S000C	84	35	25	3	6	8.2	9	YES	TECHNICAL	52
STATIC NFPA	10.5 / 0.413	WHITE		L105 NS41 S000C	72	29	6519	7	4.1	6.4	9.5	YES	TECHNICAL	54
STATIC NFPA	11 / 0.433	WHITE		L110 NS41 S000C	82	40.5	9105	8.4	3.6	6.2	9.5	YES	GENERAL	54
STATIC NFPA	12 / 0.472	WHITE		L120 NS41 S000C	87	42	9442	7.4	2.3	4.7	7.8	YES	GENERAL	54
STATIC NFPA	16 / 0.629	BLACK		L160 NS41 S000C	160	56	12589	9.4	1.2	3.0	5.8	YES	GENERAL	54

SPELEO AND CANYONING

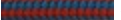
EN 1891 / CE 1019

NAME	ø (mm)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	MIN. NO. OF FALLS	RELATIVE MASS OF SHEATH (%)	SHEATH SLIPPAGE (%)	ELONGATION (50–150 kg)	SHRINKAGE (%)	TENACITY (kN)	MIN. TENACITY W/ KNOTS (kN)	MATERIAL	TYPE	FLOAT- ING	PAGE
CANYON DRY	9	BR. RED		C090 TD41C 000C	59	16	44	0.2	3.6	1	30	18.4	PA	A	NO	42
CANYON GRANDE*	10	YELLOW		C100 TC41S 000C	61	5	47	–0.2	3.2	1.7	18	12	PA/PPV	A	YES	42
CANYON WET	10	ORANGE		C100 TW49W 000C	66	20	38	–0.3	2.5	0.8	30	18	PA	A	NO	42
SALAMANDER**	10.2	YELLOW/RED		C102 TS41S 000C	60	20	41.7	0	2.5	0	23	13	PA/PPV	A	YES	43
SPELEO	9	WHITE		S090 TS41S 000C	48	8	42	–0.3	4.1	1	19	12	PA	B	NO	43
SPELEO	10	WHITE		S100 TS41S 000C	63	16	40	0	3.7	1.8	27	16	PA	A	NO	43
SPELEO	10.5	WHITE		S105 TS41S 000C	72	20	46	0.1	3	1.4	28	18	PA	A	NO	43
SPELEO	11	WHITE		S110 TS41S 000C	77	20	42	–0.4	3.3	0.3	33	17	PA	A	NO	43
SPELEO SPECIAL	10.5	WHITE		S105 TG41S 000C	76	12	50	0.5	2.7	1	34	18	PES/PA	A	YES	43

* Tested according to EN 1891 type B except min. tenacity and material; Min. number of falls tested with weight 55 kg, fall factor 1
** Tested according to EN 1891 type B except material and number of falls; Min. number of falls tested with weight 55 kg, fall factor 1

ACCESSORIES

ACCESSORY AND POWER CORDS

NAME	ø (mm)	COLOR	PREVIEW	ID NUMBER	WEIGHT (g/m)	MIN. STRENGTH (daN)	PAGE
ACCESSORY CORD	4	RED		A040TR42S100R	12.7	340	62
ACCESSORY CORD	5	YELLOW		A050TR41S000R	18.9	510	62
ACCESSORY CORD	5	BLUE		A050TR42S000R	18.9	510	62
ACCESSORY CORD	6	GREEN		A060TR41S000R	25	1000	62
ACCESSORY CORD	6	RED		A060TR42S000R	25	1000	62
ACCESSORY CORD	7	RED		A070TR41S000R	34	1300	62
ACCESSORY CORD	7	YELLOW		A070TR42S000R	34	1300	62
ACCESSORY CORD	8	RED		A080TR4S000R	43	1460	62
ACCESSORY CORD	8	ORANGE		A080TR41S100R	43	1460	62
ACCESSORY CORD REEP ARAMID	6	BLACK		A060TA41S100R	22.9	1650	62
ACCESSORY CORD REEP REFLECTIVE	6	BLACK		A060TR44S100R	23.2	1000	62
ACCESSORY CORD REEP TOUCH	6	WHITE/RED		A060TT41S000R	23.2	1000	62
POWER CORD	2	BLUE		A020TH41S100R	2.8	120	62
POWER CORD	2	YELLOW		A020TH42S1003	2.8	120	62
POWER CORD	3	BLUE		A030TH41S00R	6.5	190	62
POWER CORD	3	BLACK		A030TH42S00R	6.5	190	62
POWER CORD	9	RED		A090TR41S100R	54.4	1900	62

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