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## **KORDA'S**

Since the company's beginnings the aim of Korda's has been very clear: to produce ropes with high quality standard finishes to guarantee more safety to the user.

It is already more than 60 years from then. Nowadays, part of the Company's human team practices canyoning, caving and climbing. These hobbies allow us to be in contact with professional experts on these activities and keep updated on the latest techniques and usages of our ropes.

On this sense, we can focus on the specific needs of these activities with the aim of minimizing risks, improve the ropes quality and guarantee the user safety. All this, along with the production expertise and the continuous improvement orientation, allow us to evolve and revolutionize this world at technological level and with the development of production systems unknown so far.

We work to offer ropes that, besides having excellent mechanical properties, incorporate a high level standard finishing that guarantees the maximum safety to the user.

At **Korda's** there is a R+D+I team with the main job of researching and continuously improving the production processes and the raw materials.

Alongside with this research we have developed a complete Management System which guarantees the excellent quality and homogeneity of our ropes and has earned ISO 9001:2000 certification, as well as the certification necessary to satisfy the Article 11B of EU Directive 89/686/EEC.

The range of products shown on this catalogue is the result of the efforts and the will of innovation from the whole professional team who believes in the work well done.



# OUR PASSION DRIVES US THROUGH INNOVATION

Just before year 2000, a team of young engineers and entrepreneurs start the design and development of ropes with special characteristics.

Based on experiences and demands extracted from the field, Korda's opened a new line of research aiming to the reduction of accidents and incidents. Among other items, we focused in new production processes, usage of specific materials and application of new treatments, until we succeeded to get ropes with the following characteristics:

- O1. Semi-static ropes finished in the factory, ensuring a maximum durability and the maintenance of their technical characteristics during the longest possible time.
- **O2.** Semi-static ropes pre-shrunk in the factory, which reduces for the user the loss of metres during the rope useful life, and avoids the need of soaking the rope before the first use.
- **O3.** Union of core and sheath to avoid the slippage of the sheath in case of damage. This means a really big step in improving safety for the user.

In 2002, once already drawn the directives of our work, we created the first specific ropes for every usage.

The innovations in processes and finishes of our ropes were a referent for other manufacturers who sought the way to achieve similar results in their products.

In KORDA'S we have never stopped the research. We continue working with the intention of offering products with still more quality and safety.

#### **KORDA'S FINISHES**



#### **Stability**

Complete bonding of the sheath and core, developed in 2002, making that every part of the rope works at the same time. Elimination of the unpleasant "sock effect" and the slippage of the rope sheath. Gives the rope greater dimensional stability throughout its useful life and considerably reduce gradual rope shrinkage over time.



#### **Titan System**

The **Titan System** is a **patented** rope manufacturing system which provides significant improvements on the rope. It incorporates a **third structure** constituted by a series of filaments running parallel to the rope axis inside the sheath structure, thus transforming it into an element of "**armour plating**". With this system, even if the sheath undergoes longitudinal damage it does not tear.



#### **Summum**

**Summum** is the constructive System of the **Korda's** third generation. This join the already known **Stability** and **Titan System**, achieving with this a maximum union between core and sheath and an even higher safety, thanks to the addition of the advantages of the two different systems with proved experience. This is the maximum safety that, until now, can be offered to the technical rope users.



#### **Total Dry**

Thermochemical finish with fluorocarbon. Impermeable, absorbs less water, lasts longer and delays the freezing.



#### **Durability**

High resistance to abrasion and more pleasant to the touch.



#### **Shrinkless**

The rope is pre-shrunk and treated with additives during manufacture. This finish makes it unnecessary to soak the rope prior to use and minimizes the shrinkage during the usage of the rope.



#### **Central-End Mark**

Marks on the rope with a special ink that does not affect the rope's resistance. Clear indication of the rope's centre-point and 2 different colours on each edge.



### **USEFUL LIFE**

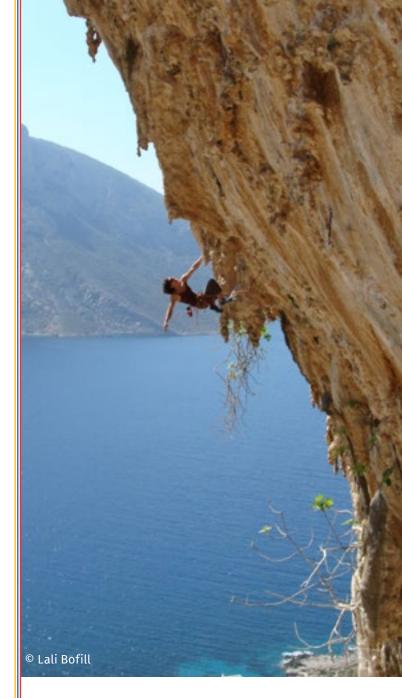
UA rope does not withstand everything, so that any time it may suffer a damage that forces it to be discarded. This can be caused by an improper use, by an expected incident as the fall of a stone, or by any other circumstances.

To establish the durability of the rope depends on the usage frequency and the care applied, so that the actual useful life is very variable.

The load applications, the contact with metallic elements or the frictions with the rocks, are other factors which contribute to its progressive deterioration.

Even if they are correctly stored, the ropes loose properties along the time due to the synthetic fibres which they are made of. The storage period of a rope, before being used, should not be longer than 4 or 5 years. On the other hand, even if this has not been practically used or that apparently has a good appearance, a rope must be discarded after 10 or 12 years from the manufacturing date.

It is imperative that ropes are kept away from chemical products as acids, oils, gasolines,...In case that the rope comes into contact with a doubtful element, it is convenient to contact the manufacturer/distributor.



#### **WARRANTY CERTIFICATE**

**Korda's** certifies that all the products or EPI have a 3 year guarantee period.

#### There are excluded from the guarantee:

- Products damaged due to inappropriate storage or maintenance by the user.
- → The rope's normal wear.
- The damages and accidents produced due to wrong use or malpractice.
- Any structural modification of the product.

#### **DYNAMIC ROPES**

Ropes designed to absorb the greatest amount of energy possible in the case of a fall. Created to protect climbers and mountaineers and to arrest their falls. Constructed to arrest falls up to factor 2.



#### Simple

As a part of the safety chain, capable of absorbing as a single line a fall by one person. Designed for sport climbing, free and pulley climbing and Big Walls.



#### Twin

Capable of absorbing a one-person fall doubled and used as a parallel rope as part of the safety chain. These ropes must be passed together through the carabiners.

Intended basically for long routes on high mountains.



#### **Double**

Capable of absorbing the fall of the lead climber when used doubled as a part of the safety chain. These ropes must be passed through alternate carabiners.

Designed for free climbing, mountaineering, ice or mixed climbing.





#### SEMI-STATIC ROPES

Ropes designed to be used as a means of progression, to be ascended and descended comfortably.

They also offer a minimum degree of safety in falls up to factor 1. The person who uses this type of rope must always be situated below the rope anchor point. These are ropes intended to be used in the field of work at height, caving, canyoning and rescue.



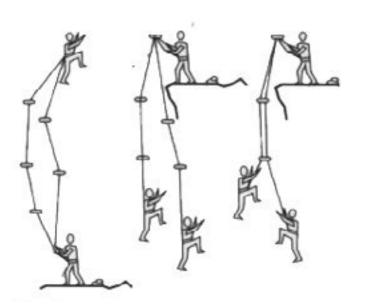
#### Type A

This is the maximum category of a semi-static rope, which offers users the widest safety margins. It is the type of rope to be used by professionals, rescue teams, caving groups made up of large teams, in equipment for mountain routes and for work on Big Walls. It may be ascended and descended as a single rope.



#### Type B

Category of rope inferior to type A, offering limited margins and requiring greater attention when being used, especially in terms of installation. This is the type of rope to use in caving, canyoning, mountain expedition equipment and Big Walls. It should be used by experienced, well trained groups in small numbers and may be ascended and descended as a single rope.



## RIGOROUS TRACEABILITY

ROPE SHRINKAGE

Our production processes allow us to offer ropes pre-shrunk in factory, saving for the user the important shrinkage produced in the first cycles of soaking-drying.

A normal rope, without any specific finish, the first day that enters in contact with water, it shrinks between a 4 and 8 %. A Korda's rope, at first contact with water, will shrink between 1 and 2 %.

\*The shrinkage values that manufacturers publish in the user instructions are much lower that the real ones. This is due to the testing method fixed by the EN standard, in which the shrinkage measure is made without drying the rope.

On this graph is shown the approximate evolution of the shrinkage that experience the ropes with and without finishes.

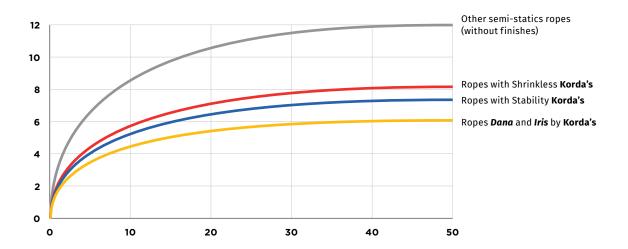
All Korda's ropes include one or more finishes, in order to get a more stable behaviour during its useful life. Due to the raw material of the ropes, these experiment a continuous shrinkage along its life, especially the first times they get in contact with water. This curve shows the shrinkage evolution of the ropes in function of the complete cycles soaking-drying. The first cycles present a greater shrinkage and later on, this continues but with lower intensity.

At **Korda's** we use a rigorous traceability system for every sales unit. This process allows knowing in detail the whole history of the product, from the raw material, through the whole production process till arriving to our customers.

To identify each rope unit, it is necessary to know the number indicated on the label of the rope edges, as well as on the front page of the instructions manual.

The colour of the rope inner tape identifies the manufacturing year. Every 10 years, the colours repeat the cycle.





#### **RECOMMENDATIONS**

It is preferable to transport the rope inside a bag rather than rolled up on the exterior of the backpack or on the shoulder. So, this can be protected from dirt and sunlight and it will decrease the crimping.

Avoid working under tension or retrieve the rope when any point of the same is in contact with sharp edges, either metal or rock, or rough surfaces as trees or rocks.



#### **Descent**

Avoid excessive speeds when rappelling. This can cause the melting of the sheath, due to the high temperatures generated on the metallic surfaces in contact with the rope. Be especially careful with pulley devices from stainless steel, because this material transmits worse the heat so that the problem is worse. Use descenders certified for such purposes and do it with the proper techniques.



#### Inspection

It is necessary to check the rope visually and by touch before and after each use. It must be passed through the hand in order to ensure that there are no discontinuities. Examine the whole rope by making loops of approximately half a mtre, thereby forming a circumference. The rope must be gently arranged, without sharp angles. The sheath must be in good condition, without broken fibres or "flowers". This operation must be performed at least once per year by a trained person authorised by the manufacturer. The rope must be replaced immediately if its consistency is in doubt.



#### Dirt

If the rope is moderately dirty, it can be cleaned by dry-brushing it carefully using a brush of soft bristles. If the dirt level is higher, it can be washed with cold water and a neutral detergent. It is better doing it by hand using a brush. If it is washed in a washing machine (which is less recommendable), do not apply spinning, because it will increase the rope crimping. Any other cleaning method or materials are prohibited by the manufacturer.



#### Drying

If the rope is wet, either due to the washing or for any other reason, it must be dried by hanging it in the shade. Do not dry it using heat or in the sun.

Store the rope in a cool and dry place, protected from sunlight.



## **IRIS 10**

SUMMUM

The third generation of **Korda's** ropes made with **Summum System**, which joins the finishes Estability and Titan system. Manufactured with a strong sheath to better resist the frictions and which allows a higher descent speed. Its excellent finishes provide the maximum durability and the maintenance of its performance along the time.

*Iris* ropes are the only longitudinal bi-colour ropes in the world.

Colour Orange+Pink / Yellow+Green

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Intensive use and/or large

groups.

Highlights It allows higher speed at

descent

## IRIS 9

**SUMMUM** 

High quality rope, very light and manufactured with **Summum System**. It includes the advantages of its precedent ropes *Dana* and *Fina*, being easy to handle and keeping its characteristics over time. It has a strong sheath to resist better the friction.

*Iris* ropes are the only longitudinal bi-colour ropes in the world.

Colour Pink+Purple

Certification Semi-static Type B EN-1891

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Expert Canyoneers

Highlights PIt allows higher speed at

descent





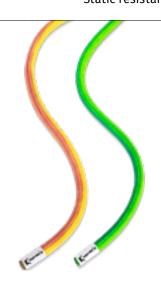




**Technical Characteristics** 

#### - Semi-Static

Diameter 9,9 mm
Weight per metre 67 g/m
Core percentage 55%
Sheath percentage 45%
Sheath slippage 0%
Elongation 2,6%
Static resistance 2600 daN

















#### – Semi-Static

Diameter 9 mm
Weight per metre 54 g/m
Core percentage 58,9%
Sheath percentage 41,1%
Sheath slippage 0%
Elongation 3,4%
Static resistance 2130 daN



## **DANA 10**

STABILITY

A semi-static rope especially recommended for intensive use in canyoning by large groups. A highly manageable rope constructed in high visibility colours which make it easy to find, even under water.

Dana 10 is constructed in such a way to make it more highly resistant in fast or long descents without burning.

Colour Pistachio / Orange / Pink

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Intensive use and/or large

groups.

Highlights High durability

## DANA 9

STABILITY

A semi-static rope for the more technical and demanding canyoneers, for those who seek a rope which is lightweight and manageable. Manufactured in high visibility colours which make it easy to find, even under water.

Dana 9 is constructed in such a way to make it more highly resistant in fast or long descents without burning.

Colour Green / Purple / Yellow

Certification Semi-static Type B EN-1891

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Expert canyoneers

Highlights Lightness and safety



#### Semi-Static

Diameter 10 mm
Weight per metre 68 g/m
Core percentage 60,6%
Sheath percentage 39,4%
Sheath slippage 0%
Elongation 2,7%
Static resistance 2780 daN















#### Semi-Static

Diameter 9 mm
Weight per metre 54 g/m
Core percentage 58,3%
Sheath percentage 41,7%
Sheath slippage 0%
Elongation 3,8%
Static resistance 2220 daN



# **FINA 9.5**

The lightest and smallest semi-static rope type A. Incorporates the safety **System Titan** as well as basic finishes for aquatic usage.

It offers a good relationship between mechanical properties, weight-volume and price. The durability and friction resistance of this model are lower than other models of the **korda's** range.

Colour Red+Black

Certification Semi-static Type A EN1891

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Sporadic use

## FINA 8.5

The lightest and smallest semi-static rope. Ideal for expeditions or openings where the weight is an important factor.

Thanks to its production **System Titan** and its strong sheath, offers a safety performance higher than what could be expected from its reduced size.

Colour Red

Certification Semi-static Type B EN1891

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Very technical canyoneers

Highlights Lightness and safety

## **AQUATIC RESCUE BAG**

Very light and compact, easy to carry hung in the harness and easy and quick to throw in aquatic complicated situations.

Do NOT use this rope for rappelling.





#### Semi-Static

Diameter 9,6 mm
Weight per metre 59,5 g/m
Core percentage 58,8%
Sheath percentage 41,2%
Sheath slippage 0%
Elongation 4,1%





2630 daN



#### Semi-Static

Diameter 8,6 mm
Weight per metre 48,3 g/m
Core percentage 57,2%
Sheath percentage 42,8%
Sheath slippage 0%
Elongation 4,6%
Static resistance 2030 daN





Colour

Pink / Oranje

Yellow / Green

Weight

250g

Static Resistance

350 daN

Diameter

6mm

Highlights

Very light and useful in complicated situations.





# IRIS 10

The third generation of **Korda's** ropes made with **Summum System**. Maintains its performance along the time and is very suitable for intensive usage in caving. Thanks to its great sheath and the high fusion temperature, this rope resists better the abrasive frictions and allows a higher speed in rappelling.

No need to soak before usage, from the coil directly to the vertical.

Colour White

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Intensive use in caving

Highlights Highest safety and more speed

possible

# IRIS 9

The third generation of **Korda's** ropes made with **Summum System**. It includes the advantages of its precedent ropes DANA and FINA, being easy to handle and keeping its characteristics over time. With a strong sheath to better resist the abrasive frictions and with the safety provided by the Titan and Estability systems.

Colour White

Certification Semiestatic Type B EN-1891

Presentation Spool: 100m / 200m

Application Experts speleologist

Highlights Higher speed possible









**Technical Characteristics** 

Semi-Static

2600 daN

Diameter 9,9 mm
Weight per metre 67 g/m
Core percentage 55%
Sheath percentage 45%
Sheath slippage 0%
Elongation 2,6%

Static resistance











**Technical Characteristics** 

- Semi-Static

Diameter 9 mm
Weight per metre 54 g/m
Core percentage 58,9%
Sheath percentage 41,1%
Sheath slippage 0%
Elongation 3,4%
Static resistance 2130 daN



## **DANA 10**

STABILITY

The semi-static caving rope for large groups. Highly manageable and easy to handle when it comes to making installations, retaining its qualities over time.

Dana 10 is constructed in such a way to make it more highly resistant in fast or long descents without burning.

It is not necessary to soak it before use as it is factory-shrunk. From the spool straight to the vertical.

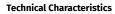
Colour White

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Large groups

Highlights Long durability



#### Semi-Static

Diameter 10 mm
Weight per metre 68 g/m
Core percentage 60,6%
Sheath percentage 39,4%
Sheath slippage 0%
Elongation 2,7%

Static resistance 2780 daN



## DANA 9

STABILITY

Ideal for cavers with considerable technical abilities. This rope's finishes make it incredibly manageable and easy to work with in progression.

Dana 9 is constructed in such a way to make it more highly resistant in fast or long descents without producing burning.

It is not necessary to soak this rope before use as it is factory-shrunk. From the spool straight to the vertical.

Colour White

Certification Semi-static Type B EN-1891

Presentation Spool: 100m / 200m

Application For exploration and light teams

Highlights Long durability









**Technical Characteristics** 

#### Semi-Static

Diameter 9 mm
Weight per metre 54 g/m
Core percentage 58,3%
Sheath percentage 41,7%
Sheath slippage 0%
Elongation 3,8%
Static resistance 2220 daN



# **FINA 9.5**

The lightest and smallest type A semi-static rope. It offers an excellent relationship between mechanical features and its reduced weight-volume. Highly suitable for both specific high-level explorations for potholers and for normally more intensive or even professional uses. Thanks to its **Titan System** manufacturing

system and its powerful sheath, it offers safety features that exceed the impression given by its compact size.

We should emphasise that this is a type A semistatic rope and that its features are far superior to those of a type B.

Colour White

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application For exploration and light teams

Highlights More safety with smaller

diameter

## **FINA 8.5**

TITAN SYSTEM

The lightest and of least volume semi-static rope. For use by expert cavers and perfect for expeditions and explorations of large ranges.

Its **Titan System** manufacture and highly resistant sheath offer safety features far higher than would be expected from its reduced size.

It should be pointed out that this is a Type B semistatic rope with characteristics greatly superior to a Type L rope, sale of which is only allowed in France, since in the rest of Europe is considered an auxiliary cord EN-564.

It is not necessary to soak this rope before use as it is factory-shrunk. From the spool straight to the vertical.

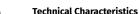
Colour White

Certification Semi-static Type B EN-1891

Presentation Spool: 100m / 200m

Application For exploration and light teams

Highlights Maximum lightness



#### - Semi-Static

Diameter 9,6 mm
Weight per metre 59,5 g/m
Core percentage 58,8%
Sheath percentage 41,2%
Sheath slippage 0%

Elongation 4,1% Static resistance 2630 daN







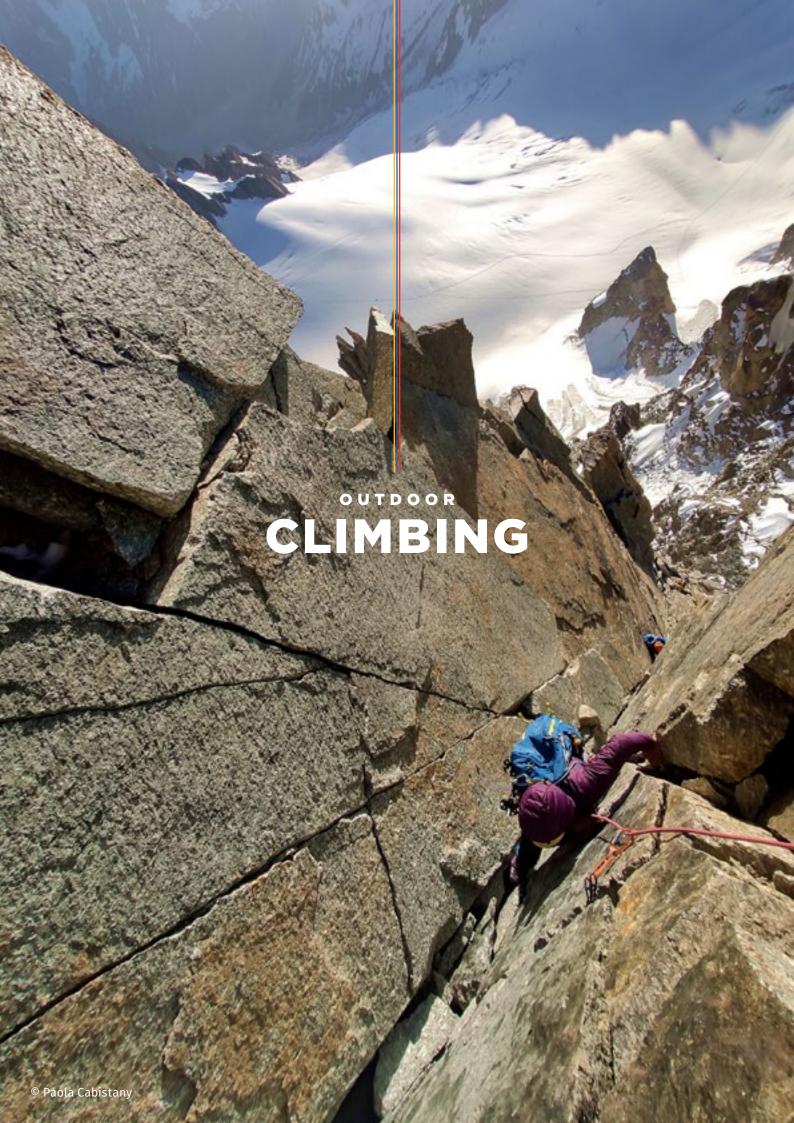


#### **Technical Characteristics**

#### Semi-Static

Diameter 8,6 mm
Weight per metre 48 g/m
Core percentage 57,3%
Sheath percentage 42,7%
Sheath slippage 0%
Elongation 4,8%
Static resistance 2030 daN





## **ANNA 10.5**

STABILITY

The dynamic rope of classic diameter Anna 10.5 is flexible, abrasion-resistant and has a soft touch thanks to its standard range of finishes.

Colour Blue / Orange

Certification Dynamic Single EN892

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Intensive use in sportive

climbing

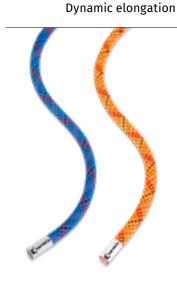
Highlights High resistance to abrasion





#### **Dvnamic**

Diameter 10,5 mm Weight per metre 73 g/m Weight core 51,8 g/m Core percentage 71% Sheath slippage 0 mm Elongation 4% Impact force 950 daN Number of falls 10





29,6%

## **KRIS 10.1**

STABILITY

Dynamic rope that gets a perfect balance between shock forces and elongation. Thanks to its standard range of finishes it is easy to clip, to handle and it has also a soft touch.

Colour Blue+Black / Blue+Red

Certification Dynamic Single EN892

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application For climbers with a good level

Highlights Very manageable







#### **Technical Characteristics**

#### Dynamic

Diameter 10,2 mm Weight per metre 66 g/m Weight core 43 g/m Core percentage 67% Sheath slippage 0 mm Elongation 8% Impact force 830 daN Number of falls 8 Dynamic elongation 32,5%



20

## **KLOE 9.8**

SUMMUM

Very compact and light rope, ideal for climbers who want to reduce the volume and weight of the rope without giving up the safety.

The first dynamic rope that includes the innovative **Summum System**, which is exclusive of *Korda's* and joins **Stability** and **Titan System** technology to guarantee the maximum bonding of the sheath and the core.

Colour Pistachio / Pink

Certification Dynamic Single **EN-892** 

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Tecnic climbers

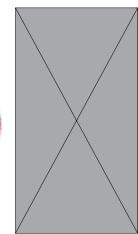
Highlights Very resistent sheath

#### **Technical Characteristics**

#### **Dvnamic**

Diameter 9,8 mm Weight per metre 61 g/m Weight core 37 g/m Core percentage 61% Sheath slippage 0 mm Elongation 6,1% 860 daN Impact force Number of falls 5 Dynamic elongation 32,3%





## **MONIK 9.6**

STABILITY

Monik 9,6 is a very compact and light single rope for those experts climbers who want to minimize the ropes volume and height without giving up the safety and the durability of the rope.

Outstanding performance for such a rope size.

Colour Green / Orange

Certification Dyamic Single EN-892

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application For climbers with high level

Lightness

Highlights



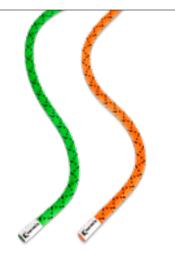




#### **Technical Characteristics**

#### - Dynamic

Diameter 9,6 mm Weight per metre 60 g/m Weight core 38 g/m 63,3% Core percentage Sheath slippage 0 mm Elongation 6.5% 830 daN Impact force Number of falls 7 Dynamic elongation 34%





## **MERCE 9**

STABILITY

The double rope extraordinarily easy to handle thanks to its series finishes.

Colour Yellow / Black

Certification Dynamic Double EN-892

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Large routes and classic

climbing

Highlights Very manageable





#### **Dynamic**

Diameter 9,1 mm Weight per metre 54 g/m Weight core 31,86 g/m Core percentage 59% Sheath slippage 0 mm Elongation 9,1% Impact force 620 daN Number of falls 18 Dynamic elongation 28,9%





## **KIONE 8.3**

STABILITY

Kione is a modern rope for classic climbing with double rope. It's very light, easy to handle and has a soft touch.

It includes the **Stability** finishing to provide a higher safety in usage.

Colour Yellow / Gray

Certification Dynamic Double EN-892

Presentation Twist: 60m / 70m / 80m

Application Expert climbers

Highlights Lightness and safety





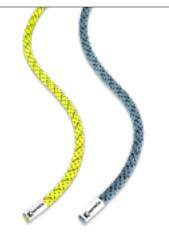




#### **Technical Characteristics**

#### - Dynamic

Diameter 8,3 mm Weight per metre 46 g/m Weight core 29 g/m Core percentage 63% Sheath slippage 0 mm Elongation 9,4% Impact force 580 daN Number of falls 10 Dynamic elongation 33,2%





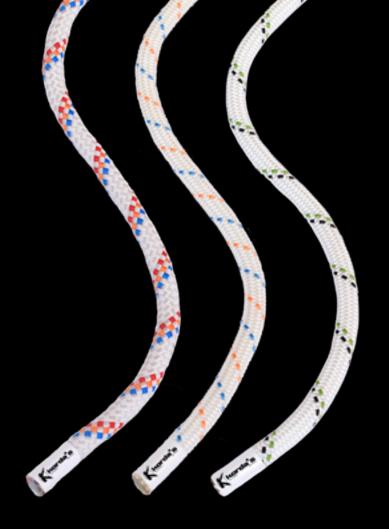


# FALL ARREST SYSTEM 353/2

**KORDA'S & CAMP SAFETY** 

Fall arrest system highligting the union of high performance ropes and the innovative and easy to use fall arrester **Goblin**. These two elements together guarantee to the user the maximum safety and a perfect manageability for the more difficult works.

This system is certified with the high performance ropes *Lluisa 10,5* and *Titania 11*, which fulfil an optimal operation with the Goblin device. The assembly is a flexible anchor line, certified under the standard EN-353/2. The system is also certified with the rope *Stark 10,5*, for those who seek a more economical product without giving up the quality.







Goblin / Lluisa 10,5 double standard / Titania 11 / Stark 10,5





**Korda's** is the importer for Spain of the professional range **Camp Safety** 

## **TITANIA 12**

**TITAN SYSTEM** 

The most robust type A semi-static rope for professional use. Thanks to its **Titan System** manufacturing system and its powerful sheath, it offers safety features far superior to other ropes of similar sizes. Very appropriate for works requiring a great security margin, and because of being very abrasion-resistant it is suitable for works such tree access, slopes...

Its resistance with 8 knot is in over 22 KN, which means that it can be certified with fall arresters on flexible anchor lines without the need of using stitched terminals.

It is not necessary to soak this rope before use, it is factory-shrunk.

Colour White / Black

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application For multipurpose professional

use

Highlights Large margin of safety.

## TITANIA 11

TITAN SYSTEM

Robust type A semi-static rope for professional use. It offers an excellent relationship between mechanical features and weight-volume.

Titania ropes are made with a tight sheath of 1-1 step, which make it abrasion-resistant. Because of this it is a suitable rope for works such as tree access, slopes... Moreover, **Titan System** manufacturing system provides an additional safety preventing sheath slippage in case of sheath breaking.

It is not necessary to soak this rope before use, it is factory-shrunk.

Rope certified as Flexible Anchor Line EN 353/2 with the fall arrester **Goblin** of **Camp**.

Colour White / Black / Red / Blue

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application For multipurpose professional

use

Highlights Large margin of safety.

Possibility to deliver the rope with sewn terminals.







**Technical Characteristics** 

- Semi-Static

Diameter 12 mm
Weight per metre 91,9 g/m
Core percentage 58,2%
Sheath percentage 41,8%
Sheath slippage 0%
Elongation 2,5%









**Technical Characteristics** 

- Semi-Static

Diameter 11 mm
Weight per metre 76,5 g/m
Core percentage 57,6%
Sheath percentage 42,4%
Sheath slippage 0%
Elongation 2,9%
Static resistance 3380 daN



## **STARK 11.5**

SHRINKLESS

Semi-static rope for all kind of professional applications. An excellent 11 mm rope at a very competitive price.

It includes the Korda's finishing **Shrinkless**, so that it is not necessary to soak it before using it, and furthermore the shrinkage during its life is sensibly reduced.

Colour	White /	Black
--------	---------	-------

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application For multipurpose professional

u: Highlights

Large margin of safety.

## **STARK 10.5**

SHRINKLESS

Semi-static rope for all kind of professional applications. With a quality sheath for a good progression and durability.

It includes the *Korda's* finishing **Shrinkless**, so that it is not necessary to soak it before using it, and furthermore the shrinkage during its life is sensibly reduced.

Rope certified as Flexible Anchor Line EN 353/2 with the fall arrester **Goblin** of **Camp**.

Colour White / Black / Red / Blue

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Professional usage

Highlights Excelent relationship quality-

price.

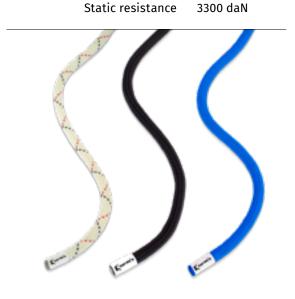
Possibility to deliver the rope with sewn terminals



Technical Characteristics —

- Semi-Static

Diameter 10,9 mm
Weight per metre 76 g/m
Core percentage 63,8%
Sheath percentage 36,2%
Sheath slippage 0%
Elongation 2,1%







**Technical Characteristics** 

Semi-Static

Diameter 10,5 mm
Weight per metre 71 g/m
Core percentage 57%
Sheath percentage 43%
Sheath slippage 0%
Elongation 3,6%
Static resistance 3000 daN



## **LLUISA 10.5**

#### **SEMI-STATIC & DYNAMIC ROPE**

A rope especially suitable for intensive use in vertical work. The first rope on the market certified at the same time as semi-static and dynamic rope. Nowadays it's still the only rope that achieves this without using limiters and fusers, which allows it to be continuously dynamic and semi-static at the same time.

It incorporates the finish Stability, which guarantees the union of sheath and core and a better behaviour along its useful life.

Rope certified as Flexible Anchor Line EN 353/2 with the fall arrester Goblin of Camp.

White / Black / Red Colour Certification Semi-static Type A EN-1891 Dynamic Single EN-892 Presentation Spool: 100m / 200m Application Demanding professionals Highlights Exceptional mechanical

> properties and finishes Double standard rope

Possibility to deliver the rope

with sewn terminals

## **NORK 10.5**

A semi-static basic rope with an excellent pricequality relationship. It includes the Korda's finishing Shrinkless, so that it is not necessary to soak it before using it, and furthermore the shrinkage during its life is sensibly reduced.

From the coil directly to the vertical.

White / Black / Red Colour

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

**Application** low intensity use

Highlights Possibility to deliver the rope

with sewn terminals

#### Technical Characteristics EN-1891

Diameter 10,6 mm Weight per metre 77 g/m 62,5% Core percentage Sheath percentage 37,5% Sheath slippage 0% Elongation 3,8% Static resistance 3230 daN

#### Technical Characteristics EN-892

#### - Dynamic

**Semi-Static** 

Sheat slippage 0% Elongation 3,1% Impact force 1030 daN Number of falls 8 Dynamic elongation 24,8%



#### **Technical Characteristics**

#### - Semi-Static

10,3 mm Diameter Weight per metre 68 g/m Core percentage 62,5% Sheath percentage 37,5% Sheath slippage 0% Elongation 3.2% Static resistance 3340 daN







## **ANNA 10.5**

STABILITY

The dynamic rope of classic diameter, *Anna 10,5* is flexible, soft to the touch and abrasion-resistant rope, thanks to its standard range of finishes.

Designed to provide the maximum safety in any situation requiring an access in simple rope with certain risk.

Colour	Blue /	Orange
--------	--------	--------

Certification Dynamic Simple EN-892

Presentation Spool: 100m / 200m

Twist: 60m / 70m / 80m

Application Very intensive applications

Highlights High resistance to abrasion







#### Technical Characteristics — Dynamic

Diameter 10,5 mm Weight per metre 73 g/m Weight core 51,8 g/m Core percentage 71% Sheath slippage 0 mm Elongation 4% Impact force 950 daN Number of falls 10

Dynamic elongation 29,6%



## **LANYARD KORDA'S**

Rope lanyard with sewn terminals.

Terminals resistance above to 22 KN.

Presentation Avaliable in 0,5m / 1m / 1,5 m.



## **LLUISA 10.5**

STABILITY

#### **SEMI-STATIC & DYNAMIC ROPE**

A rope especially suitable for intensive use in vertical work and specialised rescue teams. The first rope on the market certified at the same time as semi-static and dynamic rope.

Nowadays it's still the only rope that achieves this without using limiters and fusers, which allows it to be continuously dynamic and semi-static at the same time.

It offers interesting possibilities both in installation as well as in progression which would be impossible to obtain with other ropes.

It incorporates the finish **Stability**, which guarantees the union of sheath and core and a better behaviour along its useful life.

Rope certified as Flexible Anchor Line EN 353/2 with the fall arrester **Goblin** of **Camp**.

Colour	White	/ Black	/ Red	
Colour	willte	/ Black	/ 1	Reu

Certification Semi-static Type A EN-1891

Dynamic Single EN-892

Presentation Spool: 100m / 200m

Application Rescue teams

Highlights Exceptional mechanical

properties and finishes

Double standard rope

Possibility to deliver the rope with sewn terminals





#### Technical Characteristics EN-1891

#### Semi-Static

Diameter 10,6 mm
Weight per metre 77 g/m
Core percentage 62,5%
Sheath percentage 37,5%
Sheath slippage 0%
Elongation 3,8%
Static resistance 3230 daN

#### **Technical Characteristics EN-892**

#### Dynamic

Sheat slippage 0%
Elongation 3,1%
Impact force 1030 daN
Number of falls 8
Dynamic elongation 24,8%





## **TITANIA 12**

TITAN SYSTEM

The most robust type A semi-static rope for professional use. It offers an excellent relationship between mechanical features and weight-volume. Thanks to its **Titan System** manufacturing system and its powerful sheath, it offers safety features far superior to those ropes of similar sizes. It's very abrasion-resistant and because of this it's suitable for works such tree access, slopes ...

We should emphasise that this is a type A semistatic rope and that its resistance with figure 8 knot is in excess of 22 KN, which means that it can be approved with fall-prevention equipment on flexible anchor lines without the need for stitched terminals. It is not necessary to soak this rope before use as it factory-shrunk.

Colour White / Black

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Professional usage

Highlights Large margin of safety.

## TITANIA 11

TITAN SYSTEM

Robust type A semi-static rope for professional use. It offers an excellent relationship between mechanical features and weight-volume.

Titania ropes are made with a tight sheath of 1-1 step, which make it abrasion-resistant. Because of this it is a suitable rope for works such as tree access, slopes... Moreover, **Titan System** manufacturing system provides an additional safety preventing sheath slippage in case of sheath breaking.

It is not necessary to soak this rope before use as it factory-shrunk

Rope certified as Flexible Anchor Line EN 353/2 with the fall arrester **Goblin** of **Camp**.

Colour White / Black / Red / Blue

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Professional usage

Highlights Large margin of safety.

Possibility to deliver the rope

with sewn terminals



**Technical Characteristics** 

Semi-Static

Diameter 12 mm
Weight per metre 91,9 g/m
Core percentage 58,2%
Sheath percentage 41,8%
Sheath slippage 0%

Elongation 2,5% Static resistance 3850 daN









**Technical Characteristics** 

**Semi-Static** 

Diameter 11 mm
Weight per metre 76,5 g/m
Core percentage 57,6%
Sheath percentage 42,4%
Sheath slippage 0%
Elongation 2,9%

Static resistance 3380 daN



## **STARK 11.5**

Semi-static rope for all kind of professional applications. An excellent 11 mm rope at a very competitive price.

It includes the Korda's finishing Shrinkless, so that it is not necessary to soak it before using it, and furthermore the shrinkage during its life is sensibly reduced.

> Colour White / Black / Red

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

**Application** Professional usage

Highlights Excelent relationship quality-

price.

Possibility to deliver the rope

with sewn terminals



**Semi-Static Technical Characteristics** 

> Diameter 10,9 mm Weight per metre 76 g/m Core percentage 63,8% Sheath percentage 36,2% Sheath slippage 0% Elongation 2,1%

Static resistance 3300 daN



## STARK 10.5

Semi-static rope for all kind of professional applications. With a quality sheath for a good progression and durability.

It includes the Korda's finishing Shrinkless, so that it is not necessary to soak it before using it, and furthermore the shrinkage during its life is sensibly reduced.

Rope certified as Flexible Anchor Line EN 353/2 with the fall arrester Goblin of CAMP.

> Colour White / Black / Red / Blue

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m **Application** Professional usage

Highlights Excelent relationship quality-

price.

Possibility to deliver the rope with sewn terminals



#### **Technical Characteristics**

#### **Semi-Static**

Diameter 10,5 mm Weight per metre 71 g/m Core percentage 57% Sheath percentage 43% 0% Sheath slippage Elongation 3.6% Static resistance 3000 daN



32

# IRIS 10

The third generation of Korda's ropes made with **Summum System**. It includes the advantages of its precedent ropes *Dana* and *Fina*, being easy to handle and keeping its characteristics over time. It has a strong sheath to resist better the abrasion and the safety that Titan System and Estability provide. IRIS 10 is rope very suitable for intensive uses in professional activities and rescue works.

Thanks to its great sheath and the high fusion temperature, this rope resists better the frictions and allows a higher speed in rappelling.

Colour White

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Rescue teams

Highlights Maximum safety with the

minimum diameter





#### **Semi-Static**

Diameter 9,9 mm
Weight per metre 67 g/m
Core percentage 55%
Sheath percentage 45%
Sheath slippage 0%
Elongation 2,6%
Static resistance 2600 daN



# **KRIS 10.1**

STABILITY

*Kris* is a rope that gets a perfect balance between shock force and elongation. It is suitable for intervention applications which require lighter dynamic rope.

Thanks to its standard range of finishes, it is very manageable and it has also a soft touch.

It includes the **Stability** finish, which is excusive of **Korda's** and has been pioneer in getting a complete bonding of the sheath and the core to prevent sheath

Colour Black / Blue

Certification Dynamic Single EN-892

Presentation Spool: 100m / 200m

Application Intervention forces

Highlights Lightness and security





#### Dvnamic

Diameter 10,2 mm Weight per metre 66 g/m Weight core 43 g/m Core percentage 67% Sheath slippage 0 mm Elongation 8% Impact force 830 daN Number of falls Dynamic elongation 32,5%





## **DANA 10**

STABILITY

Rope in camouflage colour, **designed to resist a descent speed double than a standard semi-static rope** of the same diameter. It is produced without using aramids, so that there is no problem with the sun radiation.

It includes the Estability finish which guarantees the join between sheath and core and a better behaviour along its useful life.

It is not necessary to soak it before use as it is factory-shrunk.

Colour	Grey	Intervention

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Application Intervention forces

Highlights Higher descent speed possible



#### Semi-Static

Diameter 10 mm
Weight per metre 68 g/m
Core percentage 60,6%
Sheath percentage 39,4%
Sheath slippage 0%
Elongation 2,7%
Static resistance 2780 daN



## DANA 9

STABILITY

Semi-static rope highlighting for its low volume and weight. Produced in a camouflage colour, it is **able to resist a descent speed double than a standard semi-static rope** of the same diameter. It is produced without using aramids, so that there is no problem with the sun radiation.

It includes the Estability finish which guarantees the join between sheath and core and a better behaviour along its useful life.

It is not necessary to soak it before use as it is factory-shrunk.

Colour Grey Intervention

Certification Semi-static Type B EN-1891

Presentation Spool: 100m / 200m

Application Intervention forces

Highlights Higher descent speed possible









#### **Technical Characteristics**

#### \_\_\_\_\_

**Semi-Static** 

Diameter 9 mm
Weight per metre 54 g/m
Core percentage 58,3%
Sheath percentage 41,7%
Sheath slippage 0%
Elongation 3,8%
Static resistance 2215 daN



#### **LEADED ROPE**

Rope of 9 mm of diameter with a polyester braided sheath and a leaded core.

Designed to limit searching areas in submerged zones. Once impregnated of water, it sinks easily and the light colour guarantees a good visibility under water.

#### **LEADING ROPE**

Cord of 5 mm manufactured in fluorescent colour to ensure its good visibility inside water.

This rope, manufactured in polyester to ensure the maximum durability in a continuous contact with water, allows marking in an easy and economic way a route under water, which will facilitate the return to origin or the later repetition of the path

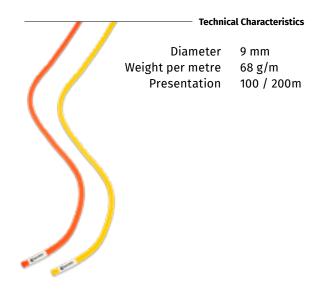
#### **FLOATING ROPE**

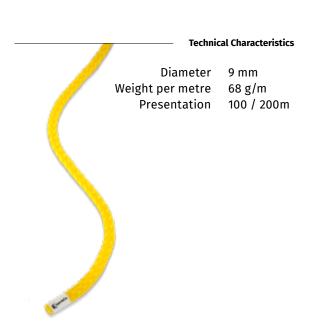
Rope of diameter 9 mm, 100 % of polypropylene to ensure the highest floatability.

It is a rope NOT suitable for suspension in height, but very useful for help actions on the water surface.

Its bright colours and the excellent floatability ensure its visibility in the water in order to facilitate the rescue tasks both to rescuers and victims.









Camp Safety es sinónimo de garantía para quienes trabajan en altura. Los productos Camp Safety satisfacen todas las demandas de seguridad, confort y eficacia de los empleados de la construcción, la industria, la arboricultura y los primeros auxilios. Empresa activa en el mundo vertical

desde hace más de un siglo y que hoy innova también en los sectores de la retención, del posicionamiento, de la anticaída y del acceso con cuerda. **Camp Safety** trabaja para quienes trabajan. Es el socio en todos los campos de los profesionales en las alturas de todo el mundo.





# **GAMA ATEX**

Apostamos por desarrollar productos innovadores para garantizar la seguridad del usuario en todos los ámbitos de trabajo. La especialización de cuerdas para ambientes ATEX proporciona un menor riesgo de accidentes en situaciones delicadas.



### **TRAC-ATEX**

# Polyester double braided rope, according to standard EN-ISO 10547:2009

Rope suitable for loads handling within explosive environments.

Its capacitive sheath and its conductive core guarantee an excellent performance to eliminate the static electricity when moving loads with a risk of explosion.

Very manageable and with pleasant touch, available in diameters of 10 to 16 mm.

The standard colour is yellow-green.

### **PRO-ATEX 11**

#### Patented

# Semi-static rope type A, verified for usage in explosive atmospheres.

The rope allows a normal usage including the utilization of ascenders, descenders, fall arresters and even to make knots.

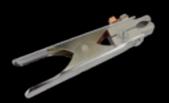
It has an inner structure of tinned copper, providing a great longitudinal electric conductivity. The special design of this copper structure achieves a good elasticity although being metallic, guaranteeing excellent performance as semi-static rope. Furthermore, it remains structurally integral, maintaining its conductivity even after having suffered impact loads.

The braided sheath incorporates numerous micro-capillaries of silver, which turns it in a capacitive material. The silver allows transporting any charge of static electricity from the exterior to the conductor material inside the rope. Through this, the electricity is driven out to ground thanks to the grounding included in the sawn terminals of the rope edges.

The charge transport is made inside the rope, so keeping it away from the explosive environment. This eliminates the creation of static loads in the operator or around the rope. So, it is avoided any possible spark which could originate an ignition and a possible explosion.

By means of a multimeter, the operator can check the correct status of the rope for its usage in ATEX environments.

**Accessory:** tweezers to verify the conductivity in different points of the rope.





**CUERDA VÁLIDA** 

**PARA AMBIENTES** 

**EXPLOSIVOS** 

Color Yellow+Green

Certification Semi-static type A EN 1891

Verified for its usage in ATEX environments by Applus, satisfies the point 2.6 of the annex II of the regulation

EU2016/425

Presentation Always in ropes with sewn

terminals and up to 50

metres.

Application Rope access works in

explosive atmospheres

electric static charges.

Highlights First semi-static trope in the world able to eliminate the

It is very conductor inside and capacitive outside. This makes it much safer than a pure conductor as a metallic cable. Rope manufactured with a technology that incorporates nanometric

silver in the sheath.



Diameter 11,1 mm
Weight per metre 88,7 g/m
Core percentage 63%
Sheath percentage 0%
Elongation 3,7%
Static resistance 2750 daN

**Electric characteristics** 

Longitudinal core resistance 20mΩ

Longitudinal sheath resistance 1000mΩ

Axial sheath resistance 365 mΩ

Whole resistance of any piece  $< 1,5 \Omega$ 

below 50 metres

It is always delivered with grounding terminals.

\*Provisional Characterístics

### **SPEED 10.5**

Rope in black colour, built to resist descent speeds three times higher than a conventional semi-static rope of the same diameter. Manufactured with technora sheath and core of treated polyamide. Although having 2 different components, it has a very good structural stability due to the treatment of the polyamide core.

Special cautions: The aramid of the sheath is very sensible to the UV radiation, as well as a bad resistance to the fatigue by flexion. Its life hope is short, just 2 years. It must be used for trained personal and stored and transported protected from the light. Frequency and accuracy of controls must be increased.

> Colour Black

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

Intervention forces who require **Application** 

a high descent speed

Great sheath resistance to high

temperature

### DANA 10 REFLECT

Highlights

Semi-static rope type A manufactured with distinctive of reflecting material for a good visibility of the rope in the darkness. The rope, when illuminated from far, reflects the light showing itself visibly. This allows a quick location even from a long distance.

It incorporates the finish Stability, which guarantees the join of sheath and core and provides a better behaviour along its useful life.

> Colour White

Certification Semi-static Type A EN-1891

Presentation Spool: 100m / 200m

**Application** Operations in areas requiring an

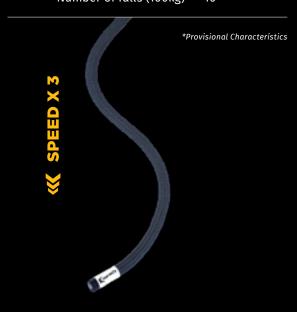
easy localization of the rope.

Highlights High visibility in areas with low

lighting

#### **Technical Characteristics**

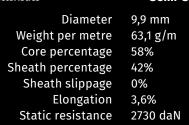
Diameter 10,5 mm Weight per metre 78 g/m 38 % Sheath percentage 3040 daN Static resistance Number of falls (100kg) 10







#### **Semi-Static**











### **STRONG 14**

Rope of 14 mm, non-certified, it is a 2 spindles braided rope made of 100% polyamide. Suitable for those users who need a polyamide rope of this diameter with a high resistance.

Most ropes with this diameter are made of polyester and they do not have the same energy absorption as polyamide ones.

#### Possibility to deliver this rope with sewn terminals.

Colour White / Black

Presentation Spool: 50m / 100m

Application Handling of loads

### **STRONG 16**

Rope of 16 mm, non-certified, it is a 2 spindles braided rope made of 100% polyamide. Suitable for those users who need a polyamide rope of this diameter with a high resistance.

Most ropes with this diameter are made of polyester and they do not have the same energy absorption as polyamide ones.

#### Possibility to deliver this rope with sewn terminals.

Colour White / Black

Presentation Spool: 50m / 100m

Application Handling of loads

#### **Technical Characteristics**

Diameter 14,04 mm Material Polyamide Weight per metre 128,1 g/m Static resistance 4830 daN



#### **Technical Characteristics**

Diameter 15,80 mm Material Polyamide Weight per metre 154,5 g/m Static resistance 6500 daN



### **VENTEO 13**

Non-certified, it is a rope developed for electric towers work teams' needs. Specially designed as a better alternative to twisted ropes.

It is a 16 spindles braided rope made of 100% polyester that retains its qualities over time, it maintains its stability in the water and has little elasticity.

It has a bi-structure sheath-core, which make it safer over time: the core, that is the part most subjected to loads, is protected from abrasion by sheath. Its high visibility thanks to its red and white sheath colour, its durability as well as its resistance make it the most suitable rope for ventage works and other loads applications in different sectors.

### Possibility to deliver this rope with sewn terminals.

Colour White+Red

Presentation Spool: 50m / 100m

Application Electrical network

### **ESTATIK 11**

Non-certified rope, it is designed for loads handling where an oversized rope is not required.

It is an easy to handle and malleable rope and because of this it's a suitable rope for all these operations where it's necessary to handle the rope for a long time.

#### Possibility to deliver this rope with sewn terminals.

Colour Black

Presentation Spool: 100m / 200m

Application Handling of loads

**Technical Characteristics** 

Diameter Material Weight per metre Static resistance 13 mm Polyamide 120,2 g/m 2704 daN



#### Technical Characteristics

Diameter Material Weight per metre Static resistance 10,9 mm Polyester 87 g/m 2900 daN



### **TAURUS**



#### **ROPES FOR HANDLING LOADS**

The large range of *Taurus* ropes provide solutions to the different needs of loads elevation and subjection. They are especially useful for tree climbing works and elevation of tools.

# Rope double braided of polyester, fulfils the standard EN-ISO 10547:2009

Very manageable and with pleasant touch, available in diameters from 6 to 20 mm and coils of 50 and 100 metres.

The standard colours are white or black, but there is the possibility to produce it with different colours for a minimum quantity, to be chosen among several alternatives.

The diameters from 6 to 16 can be delivered with sewn terminals according to the standard EN-ISO 10547:2009.

WLL: Work Load Limit

TAURUS	6	8	10	12	14	16	18	20
Diameter	6,1 mm	8,4 mm	10,3 mm	12,4 mm	14,3 mm	16,4 mm	18,4 mm	20 <b>,</b> 5 mm
Weight	27,7 g/m	51,5 g/m	77 <b>,</b> 2 g/m	111,5 g/m	149,8 g/m	195,3 g/m	246,7 g/m	304,2 g/m
Breaking load	1028 daN	1889 daN	2806 daN	4013 daN	5337 daN	6885 daN	8610 daN	10505 daN
WLL rope	147 daN	270 daN	401 daN	573 daN	762 daN	984 daN	1230 daN	1501 daN
WLL sewing	132 daN	243 daN	361 daN	516 daN	686 daN	885 daN	No disponible	No disponible
WLL knot	73 daN	135 daN	200 daN	287 daN	381 daN	492 daN	615 daN	750 daN
Elasticity 50% breaking load	8,2 %	7,9 %	7,9 %	7,9 %	8,0 %	7,9 %	7,9 %	8,0 %
% Sheath	49,4 %	53,2 %	53,2 %	53,2 %	51,8 %	53,7 %	53,6 %	52,5 %
% Core	50,6 %	46,8 %	46,8 %	46,8 %	48,2 %	46,3 %	46,4 %	47,5 %
						69/		



### **CORDINOS**

CERTIFIED AUXILIARY ROPE

Auxiliary ropes in diameters from 4-8mm, certified to EN-564, avaliable in different colours for several uses. The black distintives indicate the diameter of the cord to facilitate its identification.

Colour Red / Black / Blue / Yellow /

Orange / Green

Certification Auxiliar rope EN-564

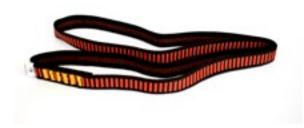
Presentation Spool: 100m

Application Several uses



Anchor rings of tubular tape of 19 mm width, with a finish to repel water.

Certified under EN-566:2017 and EN-795/B:2012 standard



Certification EN-566:2017 / EN-795/B:2012

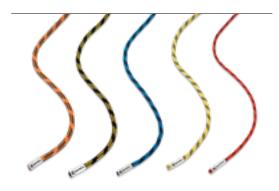
Presentation 4 unit pack

Available 60cm / 80cm / 90cm / 120cm

lenghts



Technical Charac	toristics —	
recillicat charac	.teristics	
Diameter	Static	Weight
	Resistance	per meter
4mm	430 daN	10,5 g/m
5mm	640 daN	15,9 g/m
6mm	880 daN	22,3 g/m
7mm	1160 daN	30,5 g/m
8mm	1540 daN	40,2 g/m



### **EXPRESS**

Tape of 19 mm with a design that avoids the connector rounding. Minimum resistance guaranteed 2500 daN.

Certified under EN-566:201.7 standard



Certification EN-566:2017

Presentation 10 unit pack

Available 10cm / 15cm / 20cm / 25cm

lenghts

### **ACCESSORIES**

#### **MARKER PENS**

Specific marker pens developed to mark the ropes. Internal analyses guarantee that this ink does not degrade the rope. In colours Red and Black.



#### THERMO RETRACTILE

Transparent thermo-retractile tube for ropes from 8 to 12 mm, to be placed on the edges of ropes to protect them. Supplied in a spool of 7,5 metres.

#### **METER COUNTER**

Metre measuring device developed specifically for the measurement of ropes and tapes. Ergonomically designed for easy handling, it is supplied with an accessory that allows it to be fastened so that the user can handle the rope/tape with two hands.



#### **END OF ROPE KIT**

Pack of 30 customizable labels with thermo-retractile plastics to protect the rope edges.





#### **KORDINO 2-3MM**

Auxiliary cords in bright colours, for diverse uses, supplied individually in spools of 100 metres or in packs of 9 smaller spools in a presentation box.

#### **HEAT CUTTING TOOL**

Especial for the cutting of tissues, ropes and tapes of synthetic fibres. It provides continuity and regularity to the cutting process, to obtain a neat and precise cut.



#### **GUIDE LINE**

Auxiliary rope of 2 mm manufactured in fluorescent colours to ensure its visibility under water. Made of polyester for a longest life with a permanent contact with water. It allows marking in an easy and economical way a route inside water, in order to facilitate the return to origin or the later repetition of the route.



#### **WHISTLES**

Pack of 10 units. For normal use in canyoning.



<b>CUERDAS DINÁMICAS</b>									
EN 892 STANDARD	<b>ANNA 10,5</b>	LLUISA 10,5	KRIS 10,1	KLOE 9,8	MONIK 9,6	Z	EN 892 STANDARD	MERCE 9	KIONE 8,3
Simple	EN 892	EN 892	EN 892	EN 892	EN 892		Double	EN 892	EN 892
Type	Simple	Simple	Simple	Simple	Simple		Type	Double	Double
Diameter	10,5	10,5	10,1	8,6	9,6		Diameter	6	8,3
Weight per metre g/m	73	77	99	61	09		Weight per metre	54	94
% Core	71%	62,5%	%29	61%	%89		% Core	29%	63%
Sheath slippage <20 mm	%0	%0	%0	%0	%0	Sheath	Sheath slippage <20 mm	%0	%0
Elongation 5 a 80 Kg < 10%	4,00%	3,10%	8,00%	6,10%	6,50%	Elongatio	Elongation 5 a 80 Kg <12%	%06'2	%04'6
Impact force factor 2 with 80 Kg <1200 daN	950 daN	1030 daN	830 daN	860 daN	830 daN	factor 2 wit	Impact force factor 2 with 55 Kg <800 daN	620 daN	580 daN
Number of falls Factor 2	10	8	80	5	7		Number of falls	18	10
Material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide		Material	Polyamide	Polyamide
Dynamic elongation Factor 2 with 80 Kg <40%	29,60%	24,80%	32,50%	32,10%	34,00%	Dy	Dynamic elongation	30%	33,20%
CUERDAS SEMIESTATICAS									
HEIGHT SAFETY	TITANIA 12	TITANIA 11	LLUISA 10,5	STARK 11	STARK 10,5	<b>WORK 10,5</b>	IRIS 10	DANA 10 INTERVENTION	DANA 9 INTERVENTION
EN 1891 Standard	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 B
Weight per metre g/m	91,9	76,8	77	92	71	89	29	89	54
% Sheath	41,80%	42,40%	38%	36%	43%	37,50%	42,00%	39,40%	41,70%
Flexibility K <1,2	1,04	_	1,1	1,1	1,07	1,1	1,16	1,1	0,77
Sheath slippage <0,8%	%0	%0	%0	%0	%0	%0	%0	%0	%0
Elongation 50 to 150 Kg <5%	2,50%	2,90%	3,80%	2,10%	3,60%	4,30%	2,60%	2,70%	3,80%
Impact force factor 0,3<600 daN	500 daN	500 daN	440 daN	510 daN	510 daN	480 daN	440 daN	520 daN	420 daN
Material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide
Rappelling speed	•	•	•	•	•	•	:	:	:
Static resistance >2200 daN	3850 daN	3380 daN	3230 daN	3330 daN	3000 daN	2440 daN	2600 daN	2780 daN	2220 daN
CANYONING / SPELEOLOGY	IRIS 10	DANA 10	FINA 9,5	IRIS 9	DANA 9	FINA 8,5			
EN 1891 Standard	EN 1891 A	EN 1891 A	EN 1891 A	EN 1891 B	EN 1891 B	EN 1891 B			
Weight per metre g/m	29	89	59.5	54	54	84			
% Sheath	42,00%	39,40%	41,20%	41,10%	41,70%	42,70%			
Flexibility K <1,2	1,16	1,1	1,04	1,16	0,77	<del></del>			
Sheath slippage <0,8%	%0	%0	%0	%0	%0	%0			
Elongation 50 to 150 Kg <5%	2,60%	2,70%	4,10%	3,40%	3,80%	4,80%			
Impact force factor 0,3<600 daN	440 daN	520 daN	460 daN	390 daN	420 daN	410 daN			
Material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide			
Rappelling speed	:	•	•	:	:	•			
Static resistance >2200 daN	2600 daN	2780 daN	2630 daN	2130 daN	2220 daN	2030 daN			





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