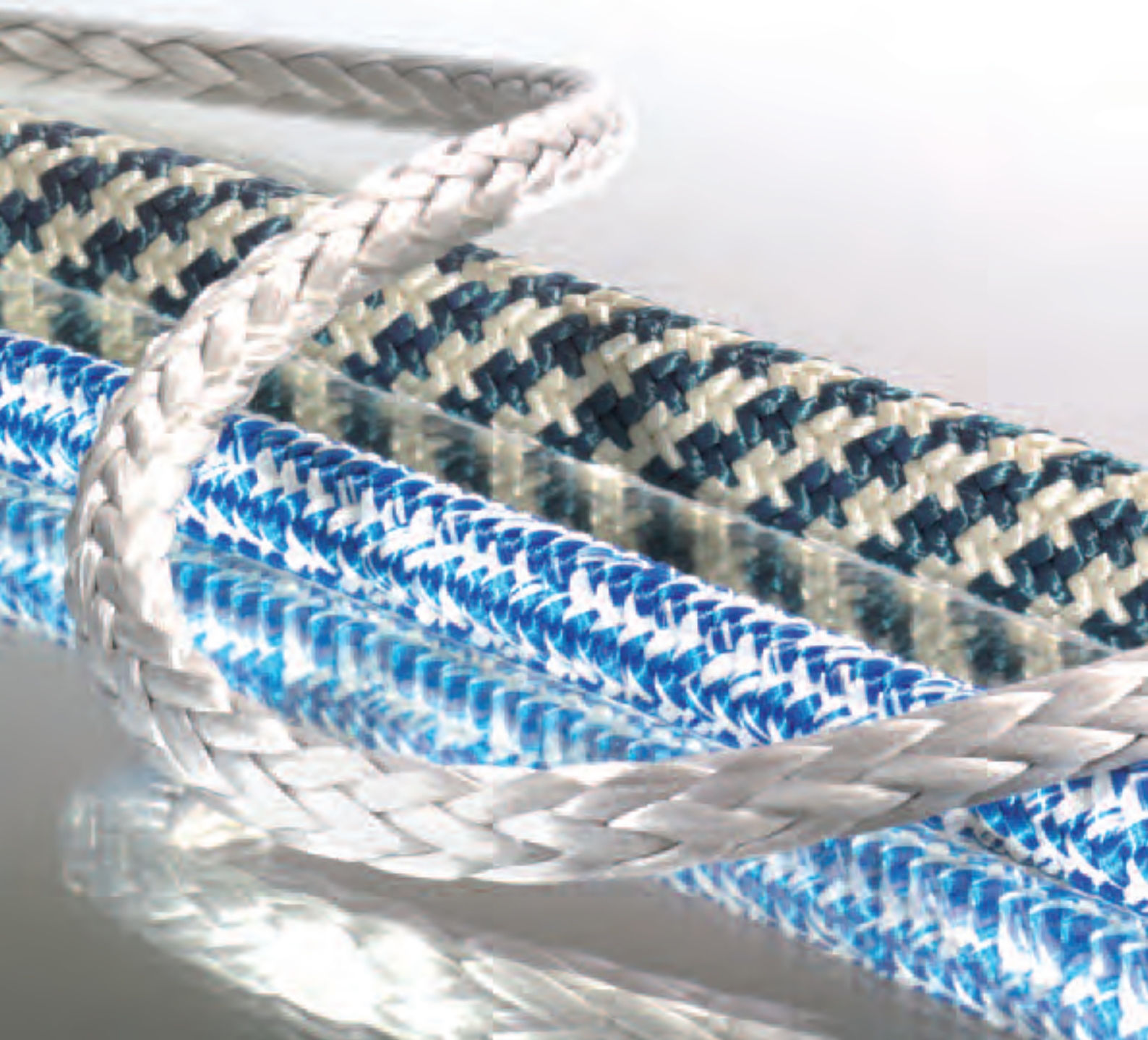




Unlimited
Rope Solutions

LIROS Rope Catalogue





LIROS Unlimited Rope Solutions

LIROS is now recognized as a world leader in the manufacture of Hi-Tec yachting ropes, kitesurf cords, paragliding lines and a wide range of industrial cordage. LIROS continue to manufacture in Germany in order that we can control every part of the production from start to finish.

All of the LIROS production is carefully monitored by experienced technicians during every stage of manufacture to ensure complete satisfaction in the most demanding applications. The unique and new process to 'LIROS LCS' (LIROS Coating System) has enabled us to improve the performance of the latest materials (PBO, Vectran® & Dyneema®) by thoroughly protecting them against the worst effects of abrasion as well as UV degradation.

We welcome all enquiries for our products as well as any individual requirements for custom projects. Do not hesitate to contact us..

Sven Rosenberger

Karl Friedrich Rosenberger

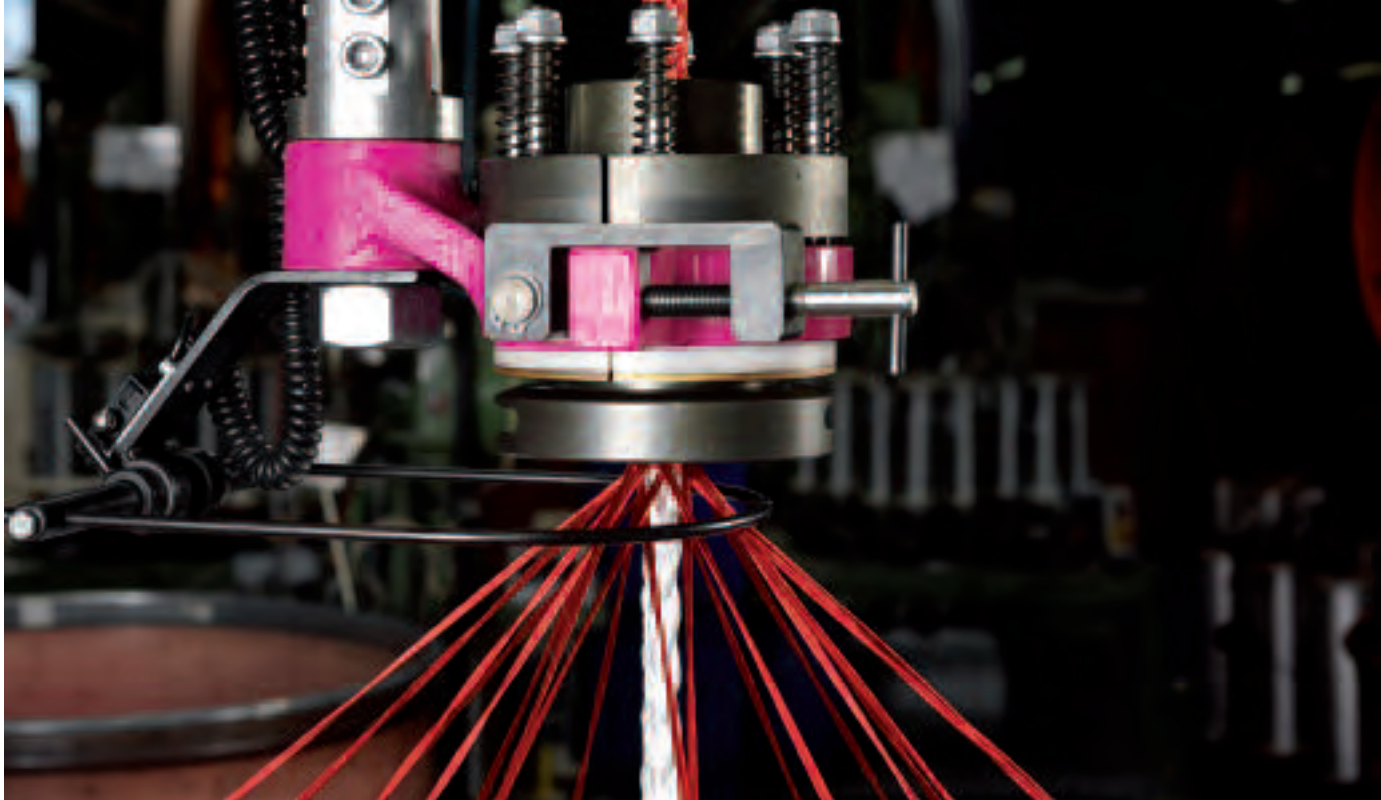
Our company is certified and approved according to DIN EN ISO 9001 : 2008.

Production 100% Made in Germany.



Contents

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Around the Rope – LIROS is there for you!

The LIROS Customer Service Team is proud to deliver solutions for all of your line, rope, and cordage needs - wholesale, retail, and direct-to-industry.

The master ropemakers at LIROS specialize in the processing and finishing of high-end halyards, sheets, mooring lines, industrial rope, and other performance products. Our experts will provide all the information you need to choose the right product for the job: dimensional sizing, working and breaking loads, splicing specifications.

Manufactured in Germany for German Quality



LIROS Service Hotline

(orders, technical support, special requests)

+49 (0) 92 93 80 02-014

7:30am - 5:00pm

We look forward to receiving your call!

The LIROS Customer Service Team

LIROS HSS

||||| Heat Stretch System

The unique LIROS pre-stretch system, calibrated under exacting temperature and tension conditions, is designed to minimize stretch in all ropes.

LIROS LCS

■■■■■ LIROS Coating System

The LIROS LCS process improves resistance to abrasion, and protects against UV damage - even in the latest materials - by as much as 50%.

LIROS DRS

●●●●● Dry Rope System

LIROS DRS is the durable water-repellent coating of technical ropes.

Production

High tech production
Made in Germany



Technology

Modern machine technology
is essential for LIROS high tech
products.



Laboratory

Technical development of
Unlimited Rope Solutions



Testing

Continuous quality control



LIROS online

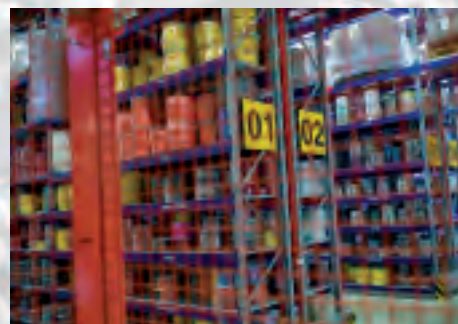
Our LIROS Webstore
offers you:

- product availability
- turnaround time
- direct online ordering
- payment options
- enquiry submission

For access, just send your
request to: info@liros.com

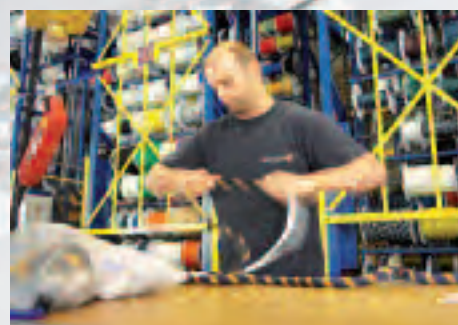
Logistics

IT based stock system is the
solution for fast deliveries



Splicing department

Customized Solutions
for Rope application





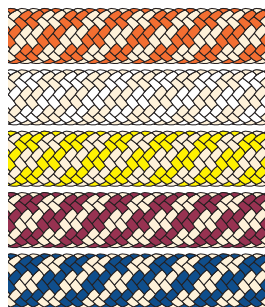
LIROS Racer XTR

02008

LIROS Racer XTR with its high-tech construction is ideally suited to cover-stripping for the ultimate in weight reduction. A special mixture of heat-resistant hybrid fibres, in conjunction with high-tenacity Polyester in the cover, delivers the best in abrasion resistance. A multipurpose rope for high-tech racing yachts and for cruisers, LIROS Racer XTR offers the perfect balance between cover and core guaranteeing the full power transmission to the complete rope.

- Strip the cover for extreme performance
- Excellent high temperature abrasion resistance
- Hybrid fibre prevents cover melting
- Excellent cohesion between cover and core
- Perfect for halyards and other low stretch applications
- Very low stretch

Colours



419
Beige-Orange

420
Beige-White

421
Beige-Yellow

422
Beige-Burgundy

263
Beige-Steel-Blue



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|---------|-------------------------|--------------------|----------------------|
| 8 | 4700 | 5.3 | 200 |
| 10 | 6900 | 6.5 | 200 |
| 12 | 9900 | 9.3 | 200 |
| 14 | 13000 | 12.1 | 150 |
| 16 | 15200 | 15.6 | 100 |
| 18 | 18500 | 18.0 | 100 |
| 20 | 21700 | 22.2 | 100 |
| 22 | 24600 | 27.0 | 100 |
| 24 | 28000 | 32.0 | 100 |

| | |
|---------------------|---------------------------------------------------------------|
| Cover | 50% Hybrid fibers 50% Polyester 32-plaited |
| Core | Dyneema® SK78 with coloured XTR-Grip-Coating 12-plaited |
| Construction | 32-plaited |



LIROS Racer Pro

02005

A new product designed for the highest level of competition, used by some of the best America's Cup teams, as well as on the Vendée Globe and other Grand Prix events. LIROS Racer Pro has been designed to be particularly effective when used without the cover. Both cover and the core work equally well on winches and clutches. Racer Pro is ideal for both sheets and halyards. Note: core is the same colour as the cover.

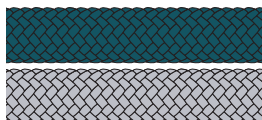
- Stretch characteristics < 1%
- Designed for use without cover
- Matching colour core and cover
- LIROS-Heat-Stretch-System
- easy to splice and remove cover
- More advanced Dyneema SK78 for low stretch characteristics

Colours



032
Burgundy

150
Orange



211
Steel-Blue

205
Silver

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|---------|-------------------------|--------------------|----------------------|
| 8 | 4700 | 5.3 | 200 |
| 10 | 6900 | 7.5 | 200 |
| 12 | 9900 | 9.6 | 200 |
| 14 | 13000 | 12.7 | 150 |
| 16 | 15200 | 16.1 | 100 |

| | |
|---------------------|-------------------------------------------------|
| Cover | Polyester high twisted 32-plaited |
| Core | Dyneema® SK78 with XTR-Grip-Coating coloured |
| Construction | 8 mm 24-plaited from 10 mm 32-plaited |



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

LIROS Racer

02001

New Dyneema® rope with a very high breaking load and low stretch features a specially-engineered 32-plait cover of high quality spin-dyed Polyester and core made out of the new generation Dyneema® fibre. For halyards and sheets. Very suitable for winches.

- Stretch characteristics < 1.5%
- extremely high breaking strength
- easy handling, nonkinking
- for halyards and sheets, winch suitability
- LIROS-Heat-Stretch-System



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Colours

| | | | |
|--|---------------------|--|------------------|
| | 171 Red | | 010 Blue |
| | 032 Burgundy | | 130 Navy-Blue |
| | 150 Orange | | 228 White |
| | 086 Green | | 205 Silver |
| | 162 Racing-Green | | |

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|---------|-------------------------|--------------------|----------------------|
| 6 | 2500 | 2.7 | 200 |
| 8 | 3800 | 5.1 | 200 |
| 10 | 5000 | 7.1 | 200 |
| 12 | 7200 | 8.5 | 200 |
| 14 | 9500 | 11.5 | 150 |
| 16 | 12600 | 14.4 | 100 |
| 18 | 15300 | 17.9 | 100 |
| 20 | 18500 | 23.7 | 100 |
| 22 | 20000 | 28.5 | 100 |

| | | | |
|---------------------|-------------------------------------------------|------------|--|
| Cover | Polyester high twisted | | |
| Core | Dyneema® SK78 with additional inner cover plait | | |
| Construction | 6–8 mm | 24-plaited | |
| | from 10 mm | 32-plaited | |



LIROS Regatta 2000

02000

Very low stretch rope for halyards, spinnaker and genoa sheets, with high tenacity, light weight and long durability. A top-performance rope, Regatta 2000's plaited cover gives excellent resistance to abrasion. The coated Dyneema® SK78 core helps minimize movement between the two layers when under extreme load.

- Stretch characteristics < 1.5%
- High performance Polyester in the cover makes it extremely resistant to abrasion
- also fullcoloured available (see Herkules Color p. 10)
- LIROS-Heat-Stretch-System



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Colours (Steel-Blue with marker yarn)

| | | | |
|--|-----------------------|--|----------------------|
| | 354 Steel-blue-Red | | 353 Steel-blue-Green |
| | 212 Steel-blue-Blue | | 213 Steel-blue-White |
| | 352 Steel-blue-Yellow | | 228 White |

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|---------|-------------------------|--------------------|----------------------|
| 2 | 270 | 0.3 | 250 |
| 2.5 | 390 | 0.5 | 250 |
| 3 | 550 | 0.7 | 250 |
| 4 | 800 | 1.1 | 250 |
| 5 | 1100 | 1.5 | 250 |
| 6 | 2500 | 2.5 | 200 |
| 8 | 3800 | 4.2 | 200 |
| 10 | 5000 | 6.1 | 200 |
| 12 | 7200 | 8.8 | 200 |
| 14 | 9500 | 13.2 | 150 |
| 16 | 12600 | 15.0 | 100 |
| 18 | 15300 | 18.0 | 100 |
| 20 | 18500 | 23.6 | 100 |
| 22 | 20000 | 28.2 | 100 |
| 24 | 23000 | 32.1 | 100 |

| | | | |
|---------------------|---------------------------------------------------|-------------|--|
| Cover | Special polyester high twisted 1:1-plaited | | |
| Core | Covered Dyneema® SK78 with additional cover plait | | |
| Construction | 2–3 mm | 16-plaited | |
| | from 4 mm | 1:1-plaited | |



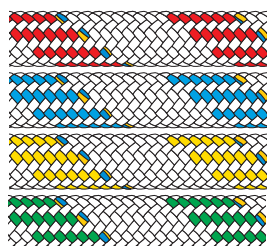
LIROS Dynamic plus

02004

New halyard or sheet rope using Dyneema® SK78. Light weight and low stretch, ideal for cruiser / racer yachtsmen. Highly flexible and non-kinking due to the new 32-plait cover. LIROS Dynamic Plus is equally effective as a high performance sheet.

- *Stretch characteristics < 2%*
- *flexible abrasion resistant cover*
- *non kinking*
- *LIROS-Heat-Stretch-System*
- *easy to splice and remove cover*

Colours



236
White-Red

229
White-Blue

231
White-Yellow

232
White-Green



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Weight kg/100m | Length of spool m |
|---------|-------------------------|-------------------|----------------------|
| 3 | 500 | 0.7 | 250 |
| 4 | 710 | 1.1 | 250 |
| 5 | 870 | 1.7 | 250 |
| 6 | 1200 | 2.1 | 200 |
| 8 | 2300 | 3.8 | 200 |
| 10 | 3100 | 6.9 | 200 |
| 12 | 4800 | 8.9 | 200 |
| 14 | 6500 | 11.9 | 150 |

| | | | |
|---------------------|-------------------------------------------------|------------|--|
| Cover | Polyester high twisted | | |
| Core | Dyneema® SK78 with additional inner cover plait | | |
| Construction | 3-8 mm | 24-plaited | |
| | 10-14 mm | 32-plaited | |

LIROS D-Pro

01505

100% pure Dyneema® rope with the latest in coating technology. Impregnated with a special PU, for more than 75% better resistance to abrasion. Our pre-stretching process further improves the overall performance. LIROS D-Pro is a pure Dyneema® rope, not just a Dyneema® core. 70% better performance overall, compared to conventional polyester-covered Dyneema®. A multi-purpose rope with plenty of applications on every sailing yacht. 12-braid construction for extremely easy splicing. Ideal replacement for stainless steel wire.

- *Stretch characteristics < 1%*
- *best choice for all applications with extreme loads*
- *high UV light resistance, LIROS-Heat-Stretch-System*
- *easy to splice with an extra cover it can be used individually*
- *very high breaking strength at smallest diameter and lowest weight*

Colours



316
Carbon

228
White

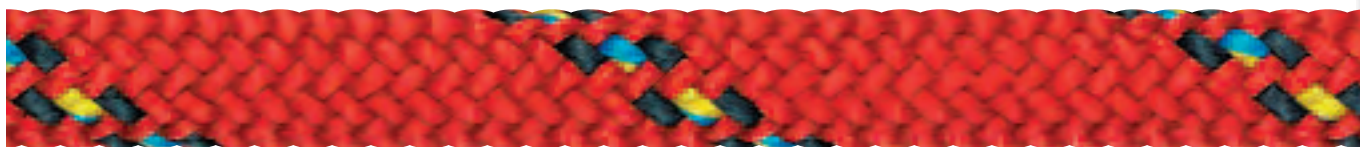


LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Weight kg/100m | Length of spool m |
|---------|-------------------------|-------------------|----------------------|
| 1 | 195 | 0.09 | 100 |
| 1.5 | 230 | 0.13 | 100 |
| 2 | 410 | 0.18 | 100 |
| 2.5 | 580 | 0.35 | 100 |
| 3 | 950 | 0.46 | 100 |
| 4 | 1300 | 0.70 | 100 |
| 5 | 2600 | 1.30 | 100 |
| 6 | 4300 | 2.30 | 100 |
| 8 | 5300 | 3.50 | 100 |
| 9 | 7500 | 4.90 | 100 |
| 10 | 9000 | 6.00 | 100 |
| 12 | 11900 | 7.20 | 100 |
| 14 | 14500 | 9.50 | 100 |
| 16 | 19200 | 13.10 | 100 |

| | | | |
|---------------------|----------------------------------|--|--|
| Material | Coated Dyneema® SK78 | | |
| Construction | 12-plaited, heat set and covered | | |



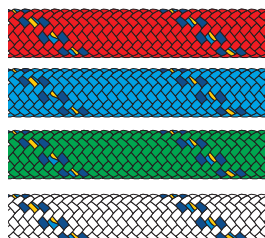
LIROS Vectran®-Olympic

04000

High-tech rope, manufactured of Vectran®. Extremely low stretch, high strength, comparable to wire. High durability and resistance to abrasion, its 32-plait cover makes it very resistant in stoppers and cleats, ideal for halyards and backstays.

- *Stretch characteristics < 1 %*
- *extremely low stretch quality*
- *high durability and resistance to abrasion*
- *very resistant in stoppers*
- *Middle cover combines core and outer cover perfectly*

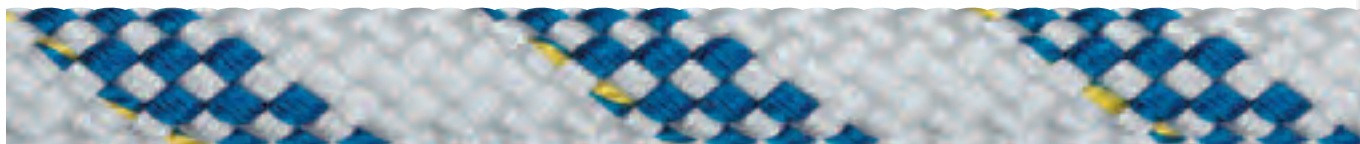
Colours



399
Red-Steel-Blue
400
Blue-Steel-Blue
401
Green-Steel-Blue
402
White-Steel-Blue

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|---------|-------------------------|--------------------|----------------------|
| 2 | 165 | 0.3 | 250 |
| 3 | 530 | 0.7 | 250 |
| 4 | 780 | 1.3 | 250 |
| 5 | 930 | 1.7 | 250 |
| 6 | 1500 | 2.4 | 200 |
| 8 | 2700 | 5.6 | 200 |
| 10 | 3700 | 8.0 | 200 |
| 12 | 5200 | 10.5 | 200 |

| | | | |
|---------------------|--------------------------------------------|------------|--|
| Cover | Polyester | | |
| Core | Vectran® with additional inner cover plait | | |
| Construction | Ø 2 – 5 mm | 16-plaited | |
| | Ø 6 mm | 24-plaited | |
| | from Ø 8 mm | 32-plaited | |



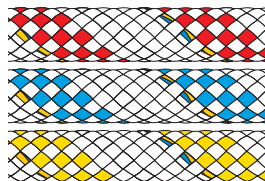
LIROS Herkules

00154

Very resilient, extremely multi-functional rope of the highest quality, specially designed for sheets, halyards and trim lines, suitable for yachts of every size. Very durable and low stretch, easily spliced to wire – thermo fixed. Very good adhesion on winch drums, abrasion resistant cover, non-kinking. Best choice for cruising yachts.

- *Stretch characteristics < 5%*
- *very high quality line for the demanding cruising yacht sailor*
- *universally usable as sheet, halyard or control line*
- *easy to splice and absolutely nonkinking*
- *excellent abrasion resistance*

Colours



236
White-Red
229
White-Blue
231
White-Yellow
232
White-Green
239
White-Black
228
White

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 4 | 400 | 250 |
| 5 | 650 | 250 |
| 6 | 800 | 200 |
| 8 | 1600 | 200 |
| 10 | 2500 | 200 |
| 12 | 3500 | 200 |
| 14 | 4500 | 150 |
| 16 | 5000 | 100 |
| 18 | 6300 | 100 |
| 20 | 7000 | 100 |
| 22 | 8000 | 100 |
| 24 | 9000 | 100 |

| | |
|--------------|---------------------------------|
| Cover | Polyester 1:1-plaited |
| Core | high tenacity braided Polyester |

Performance



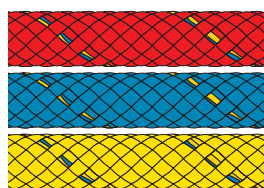
LIROS Herkules Color

01550

Very resilient, extremely multi-functional rope of the highest quality, specially designed for sheets, halyards and trim lines, suitable for yachts of every size. Very durable and low stretch, easily spliced to wire – thermo fixed. Very good adhesion on winch drums, abrasion resistant cover, non-kinking. Best choice for cruising yachts.

- *Stretch characteristics < 5 %*
- *The pure coloured alternative to LIROS Herkules with high quality spin-dyed Polyester in the cover.*

Colours



171

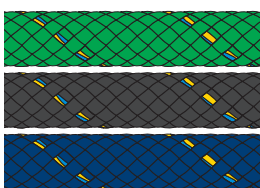
Red

010

Blue

059

Yellow



086

Green

188

Black

130

Navy-Blue

Cover Polyester spin-dyed, 1:1-plaited

Core High tenacity braided Polyester

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 4 | 400 | 250 |
| 5 | 650 | 250 |
| 6 | 800 | 200 |
| 8 | 1600 | 200 |
| 10 | 2500 | 200 |
| 12 | 3500 | 200 |
| 14 | 4500 | 150 |
| 16 | 5000 | 100 |
| 18 | 6300 | 100 |
| 20 | 7000 | 100 |
| 22 | 8000 | 100 |
| 24 | 9000 | 100 |

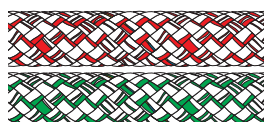
LIROS TopGrip

01540

The new generation of high quality cruising sheets. LIROS TopGrip has been specially developed for use on all cruising yachts up to 50 feet. Maximum grip on winch drums delivers great control and easy handling in all situations.

- *Stretch characteristics < 5 %*
- *High quality matt yarn giving easy handling*
- *Maximum grip*
- *Best abrasion resistance*
- *Very durable construction*
- *New modern design*

Colours

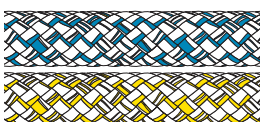


236

White-Red

232

White-Green



229

White-Blue

407

White-Sand

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 800 | 200 |
| 8 | 1350 | 200 |
| 10 | 2200 | 200 |
| 12 | 3000 | 200 |
| 14 | 4200 | 150 |

Cover

Polyester Grip fibre and Polyester spin-dyed 1:1 plaited

Core

High tenacity Polyester, braided



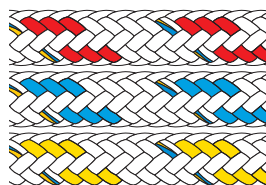
LIROS Top-Cruising

00152

Very high tensile strength, nonkinking, long lasting sheet made of 100% Polyester. For use as mainsail and headsail and spinnaker sheets. Ideal for blue water sailing, easy to splice – heat set.

- *Stretch characteristics < 5%*
- *the traditional sheet for sailing yachts of every size*
- *nonkinking, with abrasion resistant cover, high strength*
- *allround line, easy to splice*

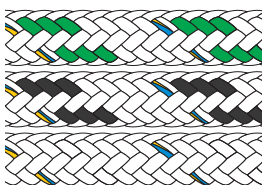
Colours



236
White-Red

229
White-Blue

231
White-Yellow



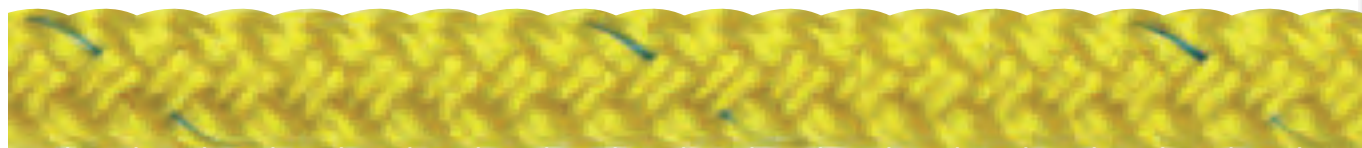
232
White-Green

239
White-Black

228
White

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 4 | 450 | 250 |
| 5 | 780 | 250 |
| 6 | 1100 | 200 |
| 7 | 1300 | 200 |
| 8 | 1650 | 200 |
| 10 | 2700 | 200 |
| 12 | 3200 | 200 |
| 14 | 3800 | 150 |
| 16 | 5000 | 100 |
| 18 | 6500 | 100 |
| 20 | 7300 | 100 |

| | |
|---------------------|---------------------------------------------------|
| Cover | Polyester high tenacity |
| Core | Polyester high tenacity plaited |
| Construction | Ø 4 – 10 mm 16-plaited from Ø 12 mm 20-plaited |



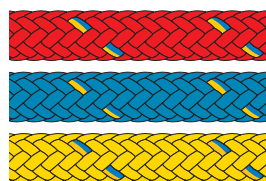
LIROS Top-Cruising-Color

01528

Very high tensile strength, nonkinking, long lasting sheet out of 100% Polyester. Line for use as mainsail and headsail and spinnaker sheets. Ideal for blue water sailing, easy to splice – heat set.

- *Stretch characteristics < 5%*
- *The coloured alternative to LIROS Top-Cruising with high quality spin-dyed Polyester in the cover.*

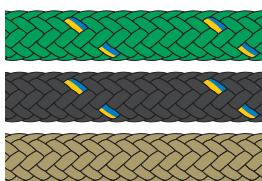
Colours



171
Red

010
Blue

059
Yellow



086
Green

188
Black

037
Hemp

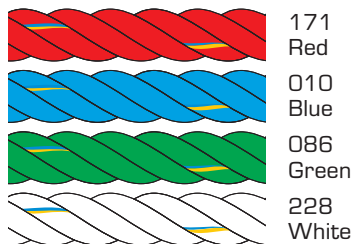
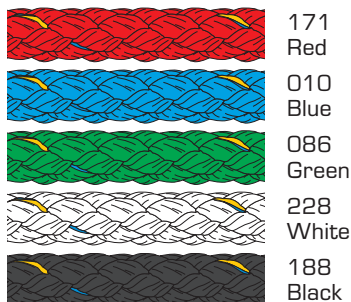
| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 1100 | 200 |
| 8 | 1650 | 200 |
| 10 | 2700 | 200 |
| 12 | 3200 | 200 |
| 14 | 3800 | 150 |

| | |
|---------------------|---------------------------------------------------|
| Cover | Polyester spin-dyed |
| Core | Polyester high tenacity plaited |
| Construction | Ø 6 – 10 mm 16-plaited from Ø 12 mm 20-plaited |

**LIROS Prestretch****00121/00122**

For use as halyards and control lines for yachts of every size – heat set. 3-strand or 8-plait Polyester. White with LIROS blue/gold fleck or coloured with LIROS blue/gold fleck.

- *Stretch characteristics < 4%*
- *low stretch, inexpensive Polyester halyard for smaller boats and traditional cruising yachts*
- *3-strand, very easy to splice (Ref. 00121)*

Colours 00121**Colours 00122****Construction****00121** Polyester, 3-strand, heat set**00122** Polyester, 8-plaited, heat set

| | Ø mm | Breaking strength kg | Length of spool m |
|--------------|------|----------------------|-------------------|
| 00121 | 4 | 420 | 250 |
| | 5 | 600 | 250 |
| | 6 | 820 | 200 |
| | 8 | 1400 | 200 |
| White | 10 | 2300 | 200 |
| White | 12 | 2800 | 200 |

| | | | |
|--------------|----|------|-----|
| 00122 | 4 | 420 | 250 |
| | 5 | 580 | 250 |
| | 6 | 800 | 200 |
| | 8 | 1500 | 200 |
| | 10 | 2300 | 200 |

**LIROS Allround****00151**

Low-cost allround sheet and spinnaker sheet made of high tenacity fibres for cruising yacht sailors, minimal water absorption, easy to handle and resistant to abrasion – heat set.

- *Stretch characteristics < 8%*
- *low-cost, winch suitable sheet, easy to handle*
- *cover construction with good abrasion resistance*
- *minimal water absorption, qualified for yachts up to 40 feet*

Colours**Cover**

Polyester

Core

High tenacity Polypropylene Multifilament plaited

Construction

Ø 6 – 12 mm 16-plaited
from Ø 14 mm 20-plaited

| | Ø mm | Breaking strength kg | Length of spool m |
|--|------|----------------------|-------------------|
| | 6 | 800 | 200 |
| | 8 | 1400 | 200 |
| | 10 | 2200 | 200 |
| | 12 | 2600 | 200 |
| | 14 | 3300 | 150 |
| | 16 | 3900 | 100 |

LIROS Seastar

00162

High quality, allround sheet for cruising yachts, with very flexible, soft, easy to grip matt cover. Ideal for dinghy sailors – excellent handling and flexibility – non kinking.

- *Stretch characteristics < 6%*
- *high quality matt yarn giving easy handling*
- *very good sheet for cruising yachts up to 45 feet*

Colour


228
White

Cover

Polyester matt yarn

Core

Polyester plaited

Construction

| | |
|-----------------|------------|
| Ø 5 | 8-plaited |
| Ø 6 up to 10 mm | 16-plaited |
| from Ø 12 mm | 24-plaited |

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 5 | 300 | 250 |
| 6 | 520 | 200 |
| 8 | 1000 | 200 |
| 10 | 1900 | 200 |
| 12 | 2400 | 200 |
| 14 | 2900 | 150 |
| 16 | 3500 | 100 |



LIROS Seastar Color

00172

Very easy to handle line in 6 different colours, for genoa and spinnaker sheets, downhauls and control lines – heat set.

- *Stretch characteristics < 6%*
- *high quality matt yarn giving easy handling*
- *seawater resilient colour, resistant to abrasion*
- *good identification with 6 different colours*
- *available in traditional hemp colour (see page 31)*

Colours


171
Red

010
Blue

059
Yellow

086
Green

188
Black

130
Navy-Blue

Cover

Polyester matt yarn coloured

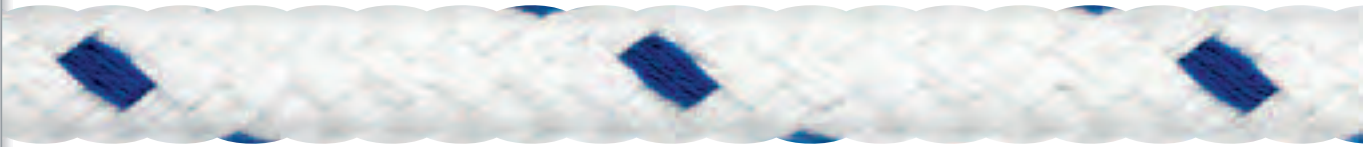
Core

Polyester plaited

Construction

| | |
|-----------------|------------|
| Ø 5 | 8-plaited |
| Ø 6 up to 10 mm | 16-plaited |
| from Ø 12 mm | 24-plaited |

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 5 | 300 | 250 |
| 6 | 520 | 200 |
| 8 | 1000 | 200 |
| 10 | 1900 | 200 |
| 12 | 2400 | 200 |
| 14 | 2900 | 150 |
| 16 | 3500 | 100 |
| 18 | 4500 | 100 |



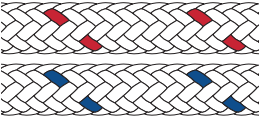
LIROS Standard

01082

Low priced and soft sheet made of easy to grip staple Polyester; heat set.

- *Stretch characteristics < 8%*
- *soft and easy to grip*
- *allround sheet*

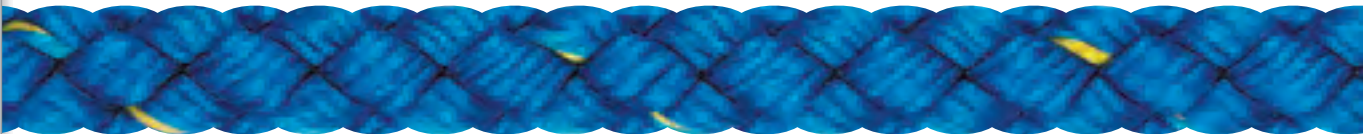
Colours



236
White-Red
229
White-Blue

Cover Polyester staple yarn
Core High tenacity Polypropylene multifilament plaited
Construction Ø 6 – 12 mm 16-plaited
from Ø 14 mm 20-plaited

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 500 | 200 |
| 8 | 1000 | 200 |
| 10 | 1600 | 200 |
| 12 | 2500 | 200 |
| 14 | 3000 | 150 |



Ø 1.5 mm to 5 mm without flecks

LIROS Nautic

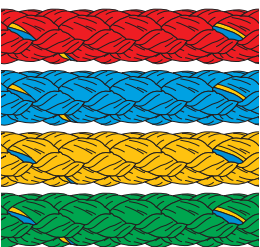
01072

Spinnaker sheet for dinghies or small keelboats, soft, very light and easy to handle, can also be used as light weather sheet – and water-ski rope, floats. Made of UV-stabilized Polypropylene multifilament.

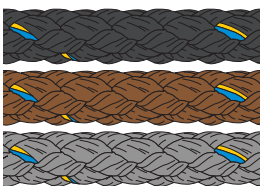
Ø 1.5 mm to 5 mm without guarantee yarn, Ø 6 mm to 14 mm with guarantee yarn in blue/gold.

- *Stretch characteristics < 12%*
- *very light*
- *easy to handle*
- *floats*
- *UV-stabilized*

Colours



171
Red
010
Blue
059
Yellow
086
Green



188
Black
028
Brown
078
Grey

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 1.5 | 38 | 500 (X-Spool) |
| 2.0 | 70 | 500 (X-Spool) |
| 3.0 | 140 | 500 (X-Spool) |
| 4.0 | 280 | 500 (X-Spool) |
| 5.0 | 390 | 250 |
| 6.0 | 550 | 200 |
| 8.0 | 900 | 200 |
| 10.0 | 1230 | 200 |
| 12.0 | 1700 | 200 |
| 14.0 | 2000 | 150 |
| 16.0 | 3700 | 100 |

Material Polypropylene multifilament
Construction 8-plaited

LIROS Max Load System (MLS)

LIROS Halyards and Sheets ready for use in best LIROS quality. For all popular boat sizes.



LIROS MLS-System comes in attractive MLS netbags, pre-spliced with halyard shackle.

- premium manufacture
- product information on page 8/9

LIROS MLS Performance

LIROS Dynamic Plus with 100% Dyneema in the core 02004





Halyard (Main, Genoa, Spinnaker)

| | Ø mm | Length m | Terminal | Size of boat (feet) |
|-------------------|---------|-------------|--------------------------------------|------------------------|
| 02004-0830 | 8 | 30 | Pilot eye/ sewed halyard shackle | 22–29 |
| 02004-1035 | 10 | 35 | Pilot eye / sewed halyard shackle | 30–36 |
| 02004-1240 | 12 | 40 | Pilot eye / sewed halyard shackle | 37–42 |

Sheet (Spi, Genua)

| | Ø mm | Length m | Terminal | Size of boat (feet) |
|-------------------|---------|-------------|-----------------------------------|------------------------|
| 02004-0825 | 8 | 25 | Takling / spliced Snap shackle | 22–36 |
| 02004-1025 | 10 | 25 | Takling / spliced Snap shackle | 37–40 |
| 02004-1230 | 12 | 30 | Takling / spliced Snap shackle | 40–42 |

Colours

| | | | |
|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------|
|  | 236 White-Red |  | 231 White-Yellow |
|  | 229 White-Blue |  | 232 White-Green |

LIROS MLS guarantees up to 80% of the linear breaking strength. The eyes will be spliced in our professional splicing department. Usage of the high end material Dyneema® guarantees minimum stretch and best adjustment.



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System





LIROS MLS Cruising

LIROS Herkules made of 100% High Tenacity Polyester 00154

Halyard (Main, Genoa, Spinnaker)

| | Ø mm | Length m | Terminal | Size of boat (feet) |
|-------------------|---------|-------------|--------------------------------------|------------------------|
| 00154-0830 | 8 | 30 | Pilot eye / sewed halyard shackle | 22–29 |
| 00154-1035 | 10 | 35 | Pilot eye / sewed halyard shackle | 29–36 |
| 00154-1240 | 12 | 40 | Pilot eye / sewed halyard shackle | 37–42 |

Colours

| | | | |
|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------|
|  | 236 White-Red |  | 231 White-Yellow |
|  | 229 White-Blue |  | 232 White-Green |

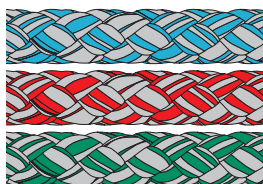


Cruising

**LIROS DynaSoft****02055**

LIROS DynaSoft combines excellent grip, low weight, and minimal stretch characteristics. The hybrid braiding combines high-tenacity Grip fibre with Dyneema®. Ideal for sheet or forerunner halyard on competitive boats.

- *non-slip grip*
- *extremely flexible*
- *LIROS-Heat-Stretch-System for low stretch*
- *round construction, great handling*

Colours

504
Grey-Turquoise

123
Grey-Red

121
Grey-Green

NEW

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 4 | 500 | 100 |
| 5 | 850 | 100 |
| 6 | 1200 | 100 |
| 8 | 2000 | 100 |

Material

High tenacity Grip fibre and Dyneema®

Construction

8-plaited with core



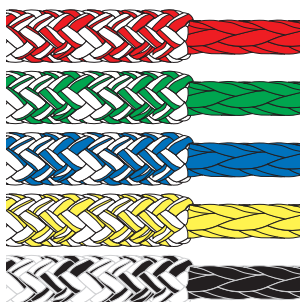
LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

**LIROS Magic Pro****01507**

A halyard or a sheet designed exclusively for dinghies, catamarans and sports boats. The low stretch characteristics are delivered by the LIROS Dyneema Pro core. Designed to be used with the cover stripped. The cover needs only to be used where the rope is being handled.

- Compact construction
The compact construction ensures Magic Pro offers exceptional handling and good grip in cleats and stoppers.
- Flexibility
The special grip between core and cover ensures perfect flexibility and maximum speed in all maneuvers.
- Grip
The precise non slip grip gives better control.
- Stretch
The LIROS Heat Stretch System used on the Dyneema core gives minimum stretch.

Colours

236
White-Red

232
White-Green

229
White-Blue

501
White-Neon Yellow

239
White-Black

NEW

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 3 | 450 | 100 |
| 4 | 620 | 100 |
| 5 | 1250 | 100 |
| 6 | 1600 | 100 |
| 8 | 3000 | 100 |

Cover Polyester Grip Fibre and Polyester spin-dyed

Core Dyneema® SK78 with LIROS XTR Grip-Coating coloured

Construction 3–8 mm 16-plaited



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

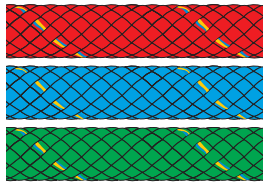
LIROS Magic Race

02016

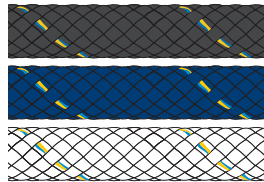
Sheet and halyard rope with high strength and very low stretch. Compact construction gives great performance in blocks and on winches.

- *Stretch characteristics < 1.5%*
- *LIROS-Heat-Stretch-System*
- *Extreme high strength*

Colours



171
Red
010
Blue
086
Green



188
Black
130
Navy-Blue
228
White

Cover Polyester high twist 1:1-plaited
Core Dyneema® SK78
Construction 2–3 mm 16-plaited
4–10 mm 1:1-plaited

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 2 | 270 | 100 |
| 2.5 | 390 | 100 |
| 3 | 550 | 100 |
| 4 | 800 | 100 |
| 5 | 1100 | 100 |
| 6 | 2500 | 100 |
| 8 | 3800 | 100 |
| 10 | 5000 | 100 |

NEW


LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

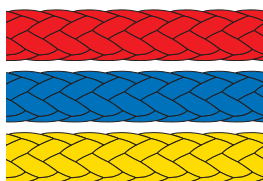
LIROS D-Pro

01505

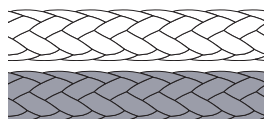
D-Pro provides cutting edge performance on modern performance dinghies and sports boats. Especially developed for transmitting the highest loads to deliver maximum speed. An all purpose rope with the lowest weight and minimum stretch incorporating the LIROS HSS. High abrasion resistance and zero water absorption due to LIROS impregnation system.

- *Stretch characteristics < 1%*
- *higher breaking strength than wire diameter for diameter*
- *very low stretch*
- *zero water absorption*
- *very easy to splice*
- *LIROS-Heat-Stretch-System*

Colours



171
Red
010
Blue
059
Yellow



228
White
316
Carbon

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 1 | 195 | 100 |
| 1.5 | 230 | 100 |
| 2 | 410 | 100 |
| 2.5 | 580 | 100 |
| 3 | 950 | 100 |
| 4 | 1300 | 100 |
| 5 | 2600 | 100 |

Material Dyneema® SK78
Construction 12-plaited,
heat set,
impregnated



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

**LIROS Magic Gold****01500**

A high performance Polyester cover with Dyneema® core makes this an ideal rope for performance dinghies, catamarans and sports boats. The low stretch and good grip characteristics make this ideal for control lines and halyards.

- *Stretch characteristics < 1.5%*
- *Excellent abrasion resistance*
- *Very low stretch characteristics due to Dyneema®*
- *LIROS-Heat-Stretch-System*
- *1.5 mm diameter without fleck: yellow, pink, purple and black*

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 1.5 | 125 | 100 |
| 2 | 240 | 100 |
| 3 | 420 | 100 |
| 4 | 580 | 100 |
| 5 | 1050 | 100 |
| 6 | 1800 | 100 |

Colours

411
Red-Neon Yellow-Blue



414
Neon Yellow-Pink-Blue



500
White-Pink-Blue



506
Blue-Neon Yellow-Red



408
Black-Neon Yellow-Blue

NEW

LIROS HSS
Heat Stretch System

Cover

Polyester

Core

Dyneema® SK78

Construction

1.5–5 mm 16-plaited
6 mm 1:1-plaited

LIROS Magic Sheet**01506**

LIROS Magic Sheet has been specially developed for use as main- and jib sheets on dinghies, sports boats and catamarans.

- *Maximum flexibility: The cohesion between the core and the cover gives excellent flexibility and speed through the blocks.*
- *Handling: The precise nonslip grip give better control.*
- *Compact construction: With its round shape and compact braiding it assures excellent handling with good grip in cleats.*

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 7 | 970 | 100 |
| 9 | 1500 | 100 |

Cover

Polyester Grip Fibre
and Polyester spin-dyed,
16-plaited

Core

High Tenacity Polypropylene

Colours

405 White-
Navy-Blue



404
White-Silver



406
White-Orange



407
White-Sand



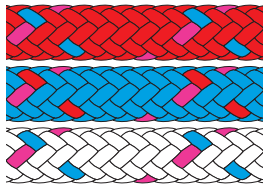
LIROS Magic Speed

01501

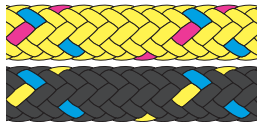
A performance Polyester rope ideal for a use on dinghies and sports boats for halyards and control lines. Very abrasion resistant cover. Good in cleats, low stretch – Polyester core.

- *Stretch characteristics < 5%*
- *Excellent abrasion resistance*
- *Low stretch*

Colours


412
Red-Pink-Blue

479
Blue-Pink-Red

500
White-Pink-Blue

414
Neon Yellow-Pink-Blue

408
Black-Neon Yellow-Blue

NEW

| | |
|---------------------|-------------------|
| Cover | Polyester |
| Core | Polyester |
| Construction | 2–5 mm 16-plaited |
| | 6 mm 1:1-plaited |

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 2 | 95 | 100 |
| 3 | 185 | 100 |
| 4 | 320 | 100 |
| 5 | 680 | 100 |
| 6 | 940 | 100 |

LIROS Optisail

02056

The perfect new lacing line for Optis. Very low stretch, lightweight, with the ultimate in knot holding. Abrasion-resistant cover construction, with specially developed core of Dyneema® SK78.

- *Stretch characteristics < 1.5%*
- *Optimized knot tenacity*
- *LIROS-Heat-Stretch-System*
- *Available on 100m reels or in Point-of-Sale carton with 20m reels*

| | |
|---------------------|---------------|
| Cover | Polyester |
| Core | Dyneema® SK78 |
| Construction | 16-plaited |

| | Ø mm | Breaking strength kg | Length of spool m |
|-------------------|---------|-------------------------|----------------------|
| 02056-0120 | 1.2 | 120 | 100 |
| 02056-2020 | 1.2 | 120 | 20x20/Ktn. |

Colour



199 Black-Red


LIROS HSS
Heat Stretch System

NEW



LIROS Dyneema®-Spisheet-Special 02049

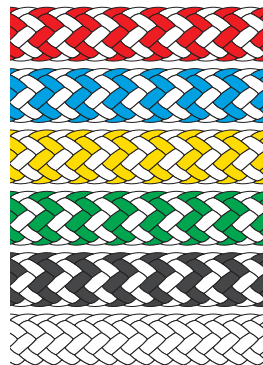
Very light, high quality, individually produced tapered spi sheet with extremely low stretch and high strength thanks to a new construction using a high proportion of Dyneema® in the core. Minimum water absorption.

- high performance
- high quality for excellent durability
- low stretch and water absorption due to the high proportion of Dyneema® in the core
- excellent handling characteristics
- diameters available from 3 to 12 mm
- custom manufacture for special requirements
- light weight cover

Cover The thicker part – staple spun matt Polyester mixed with Dyneema® SK78.
Thinner part – 100% Dyneema®

Core Dyneema® SK78

Colours



179 Red-White
021 Blue-White
067 Yellow-White
092 Green-White
204 Black-White
228 White



Required order specifications 02049 + 02043:

| | | | |
|------------------------|----------|----------|----------|
| 1. Ø thick end | ... mm | ... mm | ... mm |
| 2. Length of thick end | Ø ... mm | Ø ... mm | Ø ... mm |
| 3. Ø thin end | ... mm | ... mm | ... mm |
| 4. Length of thin end | ... mm | ... mm | ... mm |
| 5. Colour code | Ø ... mm | Ø ... mm | Ø ... mm |

Available diameters 02049 + 02043

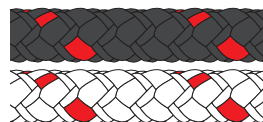
| | | |
|-----------|------------|------------|
| 3 to 5 mm | 4 to 10 mm | 6 to 8 mm |
| 3 to 6 mm | 5 to 8 mm | 6 to 9 mm |
| 4 to 6 mm | 5 to 9 mm | 6 to 10 mm |
| 4 to 8 mm | 5 to 10 mm | 6 to 12 mm |
| 4 to 9 mm | 5 to 12 mm | 8 to 12 mm |

LIROS Tapered Sheet 02043

Individually-tailored tapered sheet. Good grip with seamless tapering from thick to thin. Specify your diameters when ordering.

- low water absorption
- good grip
- flexible diameter (3-12 mm available)
- Customizable diameter and length
- Lightweight Opti version (6 mm-9 mm-6 mm)
in lengths 1.5 m / 2.5 m / 3 m (Ref. 02042-0100)

Colours



199 Black-Red
236 White-Red

Cover 9 mm – matt Polyester
6 mm – high tenacity Polyester

Core high tenacity Polyester



NEW

LIROS Taper Pro

02010

LIROS Taper Pro has been developed specially for the latest generation of headsail furlers. The core is constructed of Dyneema® and covered in a heavy duty polyester which tapers progressively over the length of the rope – the thin end is the part that rolls on the drum and the thick end is the part that is used for handling and winching.

- Stretch characteristics <1.5%
- very good grip on winch drums
- simplifies reefing

02010-0900

Tapering from 9 mm (20 m) to 6 mm (10 m) = 30 m

02010-1100

Tapering from 11 mm (20 m) to 8 mm (15 m) = 35 m

| Ø mm | Breaking strength kg | Length of spool |
|---------|-------------------------|----------------------------|
| 9–6 | 2300 | 20 m Ø 9 mm + 10 m Ø 6 mm |
| 11–8 | 3600 | 20 m Ø 11 mm + 15 m Ø 8 mm |

Colours

| | |
|--|--------------------------|
| | 403 Silver-Steel-Blue |
| | 423 Silver-Red |
| | 424 Silver-Green |

Cover Polyester high tenacity 1:1-plaited

Core Dyneema® SK78 with additional cover plait



LIROS HSS
Heat Stretch System

LIROS Soft Shackle

| Ref. | Breaking strength t | Colour | Safe working load t** | approx. Rope Ø mm |
|-------------------|---------------------------|-------------|-----------------------------|-------------------------|
| 00146-0066 | 1 | 228 White* | 0.5 | 6 4 |
| 00146-0090 | 1.5 | 316 Carbon | 0.75 | 8 5 |
| 00146-0069 | 2 | 171 Red* | 1 | 12 6 |
| 00146-0070 | 4 | 010 Blue* | 2 | 16 8 |
| 00146-0071 | 6 | 059 Yellow* | 3 | 18 10 |
| 00146-0072 | 8 | 086 Green* | 4 | 20 12 |
| 00146-0073 | 10 | 316 Carbon | 5 | 24 14 |

* All sizes available in carbon colour

** t = tons

Colours

| | |
|--|---------------|
| | 228 White |
| | 171 Red |
| | 010 Blue |
| | 059 Yellow |
| | 086 Green |
| | 316 Carbon |

Material Dyneema® SK78

NEW



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System



The LIROS Soft Shackle is a perfect replacement for heavy traditional metal snap shackles and screw shackles. Easy to use, requires no tools. Made of 100% Dyneema® SK78.

New: fast, simple quick-release mechanism with easy-to-read loading capacity printed on the integrated LIROS tape.

Superior to steel shackles:

- No deck damage
- 10x lighter than same-strength metal shackle
- stays locked even when not under load
- easy to undo without tools even after high loads
- multiple applications for yachting and industry.



LIROS SuperSheet

01570

LIROS sheet with extremely good winch handling properties. The perfect solution for classic and cruising yachts, with low stretch and very good abrasion resistance. Designed for the optimum tradeoff between breaking strength, and ease of handling/suitability on winches.

- extremely flexible, but compact
- best winch suitability
- very good abrasion resistance
- durable construction

Cover Polyester 24-plaited

Core Dyneema®/Polypropylene Braiding



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 12 | 3500 | 200 |
| 14 | 4500 | 150 |
| 16 | 5000 | 100 |
| 18 | 6300 | 100 |
| 20 | 7000 | 100 |
| 22 | 8000 | 100 |

Colour



228
White

NEW

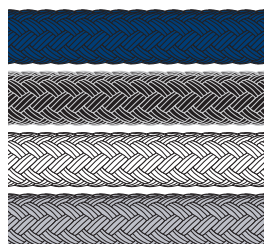
LIROS Super Yacht Mooring 01300

LIROS Super Yacht DB is a new range of mooring and anchoring warps for Super Yachts from 70' to 200' feet in length. The cover is specially treated against the effects of abrasion using the unique LIROS impregnation system NCS. These ropes are very flexible combining high stretch and shock absorbing qualities with great handling characteristics. Available ready spliced and with leather protection around the spliced eye (1 m inner length) if required.

- stretch characteristics >15%
- non-kinking
- easy to handle
- special anti-abrasion treatment LIROS LCS

LIROS LCS
LIROS Coating System

Colours



130
Navy-Blue

188
Black

228
White

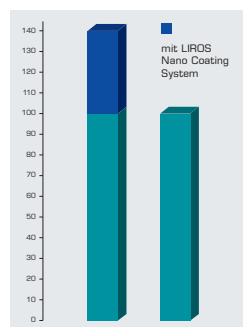
312
Aquasilver

| Ref. | Ø mm | for Yachts* | Breaking strength kg | Weight kg/ 100 m |
|------------|------|---------------|----------------------|------------------|
| 01300-2400 | 24 | 70 to 90 feet | 11500 | 40 |
| 01300-2800 | 28 | to 120 feet | 15900 | 58 |
| 01300-3200 | 32 | to 150 feet | 19800 | 74 |
| 01300-3600 | 36 | to 180 feet | 26000 | 95 |
| 01300-4000 | 40 | to 200 feet | 32800 | 115 |
| 01300-4400 | 44 | to 220 feet | 38500 | 142 |
| 01300-4800 | 48 | to 250 feet | 46000 | 170 |
| 01300-5200 | 52 | to 280 feet | 53500 | 198 |

* For very heavy displacement or high windage yachts choose the next diameter up.

Cover Polyester high twisted 24-plaited, coated

Core Polyester plaited





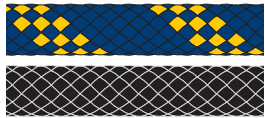
LIROS Handy-Elastic

00136/00137

New type of highly elastic rope in a cover-core construction for mooring, anchoring and towing. Its special construction and the use of highly elastic fibres allow this line to be used in extreme situations, even without shock absorbers. Abrasion resistant 1:1-plait made of 100% Polyamide, highly elastic.

- *Stretch characteristics > 20%*
- *very easy to splice*
- *highly elastic*
- *very stretch- and abrasion-resistant*
- *very easy to handle*
- *by request available up to 40 mm Ø*
- *available ready spliced see page 28.*

Colours 00136



142
Navy-Blue-Yellow
188
Black

Colour 00137



289
White-Black-Red

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 1600 | 200 |
| 10 | 2500 | 200 |
| 12 | 3900 | 200 |
| 14 | 4800 | 150 |
| 16 | 6000 | 100 |
| 18 | 8500 | 100 |
| 20 | 9900 | 100 |
| 22 | 10600 | 100 |
| 24 | 12000 | 100 |

Cover Polyamide high tenacity,
1:1-plaited
Core high elastic Polyamide



LIROS Porto

00133

Very easy to handle mooring and anchor line in a cover-core construction made of 100% Polyester. Extremely tensile and resistant to abrasion, will not stiffen up. Special twine construction assures high elasticity.

- *Stretch characteristics > 15 %*
- *very easy to splice*
- *very easy to handle*
- *high strength and excellent abrasion resistance*
- *the construction gives excellent flexibility and high stretch characteristics*
- *available customized see page 28/29.*

Colours



239
White-Black
188
Black



130
Navy-Blue
205
Silver

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 1650 | 200 |
| 10 | 2300 | 200 |
| 12 | 2900 | 200 |
| 14 | 3700 | 150 |
| 16 | 4900 | 100 |
| 18 | 5300 | 100 |
| 20 | 6300 | 100 |
| 22 | 8900 | 100 |
| 24 | 9600 | 100 |

Cover Polyester high twisted
8–10 mm 16-plaited
from 12 mm 20-plaited

Core High tenacity Polyester

**LIROS Squareline-PES****01047/01049**

Mooring and anchoring rope, easy to handle – non kinking 8-plait, easy to splice and easily joined to chain. High tenacity Polyester with excellent abrasion characteristics.

- *Stretch characteristics > 20 %*
- *soft and handy*
- *comfortable handling*
- *nonkinking and abrasion resistant*
- *easy to splice.*

Colour 01047229
White-Blue**Colours 01049**188
Black130
Navy-Blue**Material** Polyester high tenacity**Construction** 8-strand octoplait

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 10 | 2000 | 200 |
| 12 | 2400 | 200 |
| 14 | 3800 | 150 |
| 16 | 4700 | 100 |
| 18 | 5800 | 100 |
| 20 | 7600 | 100 |
| 22 | 8600 | 100 |
| 24 | 11600 | 100 |
| 26 | 13700 | 100 |
| 28 | 15000 | 100 |

LIROS Squareline-PP**01078/01079/01080**

A light and handy rope for use as mooring line or for towing. Floating 8-strand construction made of 100% Polypropylene multifilament, high tenacity, UV-stabilized.

- *Stretch characteristics > 15%*
- *easy handling and light weight*
- *floats*

Colour 01078228
White**Colour 01079**010
Blue**Colour 01080**188
Black

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 12 | 2100 | 200 |
| 14 | 2700 | 150 |
| 16 | 3400 | 100 |
| 18 | 4000 | 100 |
| 20 | 5000 | 100 |

MaterialPolypropylene multifilament
high tenacity**Construction**

8-strand octoplait

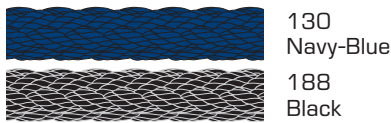
LIROS Moorex 12

00132

A new generation of mooring warp. Extremely flexible, combining great handling and ease of use. Very stretchy, removing the need for a mooring shock absorber. Special construction – hollow braid for easy splicing, together with high stretch for mooring shock absorption.

- *Stretch characteristics >20%*
- *very easy to handle*
- *quick splice construction*
- *high stretch removes need for mooring rubber*
- *available customized see page 28.*

Colours



Material Polyester high tenacity
Construction 12-plaited

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 10 | 2400 | 200 |
| 12 | 3000 | 200 |
| 14 | 4000 | 150 |
| 16 | 4600 | 100 |
| 18 | 5300 | 100 |
| 20 | 7200 | 100 |
| 22 | 8600 | 100 |

LIROS Polyester Rope

00111/01110

Classical rope for mooring and anchoring, made of 100% Polyester, very easy to splice, high strength and abrasion resistance. Retains flexibility throughout its life. 3-strand made of 100% Polyester according to DIN 83331/EN697, heat set.

- *Stretch characteristics > 15%*
- *very easy to splice*
- *extremely stretch- and abrasion-resistant*
- *does not stiffen up*
- *heat set*
- *available customized see page 28/29.*

Colour 00111



Colours 01110



Material Polyester high tenacity
Construction 3-strand, heat set

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 3 | 280 | 250 |
| 4 | 400 | 250 |
| 5 | 600 | 250 |
| 6 | 800 | 200 |
| 8 | 1400 | 200 |
| 10 | 2000 | 200 |
| 12 | 2600 | 200 |
| 14 | 3600 | 150 |
| 16 | 5000 | 100 |
| 18 | 6000 | 100 |
| 20 | 7000 | 100 |
| 22 | 9000 | 100 |
| 24 | 10500 | 100 |
| 30 | 14800 | 100 |



LIROS Nordic

01173

Traditional mooring warp which has been very popular in Scandinavia. Combining light weight and good grip with ease of handling – semi matt finish.

- *Stretch characteristics > 17%*
- *handy construction*
- *easy to splice*
- *available customized see page 28.*

Colour

228
White

Material Mixed construction made of Polyester matt yarn and shiny Polyester

Construction 3-strand, heat set

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 700 | 200 |
| 8 | 1200 | 200 |
| 10 | 1600 | 200 |
| 12 | 2300 | 200 |
| 14 | 2900 | 150 |
| 16 | 3760 | 100 |
| 18 | 4550 | 100 |
| 20 | 5130 | 100 |

LIROS Nylon Rope

00110

Classic rope for mooring, with high stretch and 3-strand twist make it easy to splice. High strength and excellent resistance to abrasion. 100% Nylon manufactured according to DIN 83330/EN696, heat set, white with green or marine blue marker yarn.

- *Stretch characteristics > 20%*
- *very easy to splice*
- *high strength and excellent resistance to abrasion*
- *UV-stabilised*
- *many industrial applications*

Colours

228
White
130
Navy-Blue

Material Polyamide high tenacity

Construction 3-strand

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 4 | 380 | 250 |
| 5 | 600 | 250 |
| 6 | 900 | 200 |
| 8 | 1440 | 200 |
| 10 | 2400 | 200 |
| 12 | 3300 | 200 |
| 14 | 4400 | 150 |
| 16 | 5600 | 100 |
| 18 | 7000 | 100 |
| 20 | 8140 | 100 |
| 22 | 9800 | 100 |
| 24 | 11800 | 100 |
| 30 | 17400 | 100 |



LIROS Lirolen

01120/01123/01126

An allround rope that floats. 3-strand, easy to splice, retains soft flexibility even after long use, manufactured according to DIN 83334/EN 699.

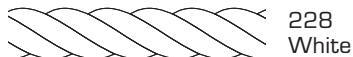
01120: Polypropylene multifilament, heat set, white

01123: spin-dyed Polypropylene multifilament, heat set

01126: spin-dyed Polypropylene multifilament, heat set, ideal for classic yacht applications

- *Stretch characteristics > 15%*
- *easy to splice*
- *low-priced allround line*
- *no water absorption*
- *floats*

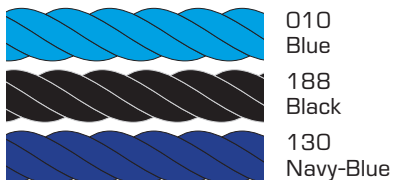
Colour 01120



Colour 01126



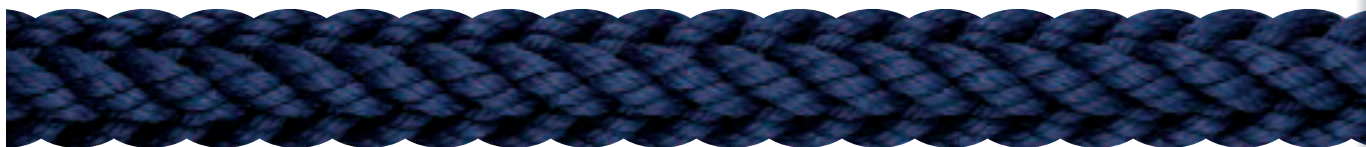
Colours 01123



Material Polypropylene multifilament

Construction 3-strand, heat set

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 4 | 280 | 250 |
| 5 | 400 | 250 |
| 6 | 590 | 200 |
| 8 | 1040 | 200 |
| 10 | 1600 | 200 |
| 12 | 2200 | 200 |
| 14 | 3000 | 150 |
| 16 | 3700 | 100 |
| 18 | 4700 | 100 |
| 20 | 5700 | 100 |



LIROS Bumperline

01079

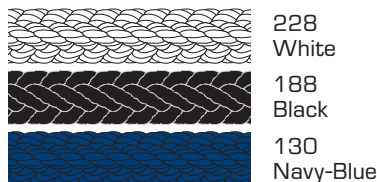
Fender-line, square braid made of a pliable material which fits snugly against the hull, spliced-in lines on both ends, very light and easy to handle, floats, does not absorb water.

100% high tenacity and UV-resistant Polypropylene multifilament.

Length and diameter of the spliced-in lines: 2.5 m; Ø 12 mm.

- *pliable*
- *fits snugly against hull*
- *very light and easy to handle*
- *floats*

Colours



Material

Polypropylene multifilament

Construction

8-strand

| Ref. | Ø mm | Length of spool m |
|-------------------|---------|----------------------|
| 01079-5001 | 50 | 5 |
| 01079-5002 | 50 | 7.5 |





All customized moorings are supplied in an attractive net storage bag.

Customized Mooring

| Handy Elastic 00136 | LIROS Porto 00133 | LIROS Moorex 12 00132 | Ø mm | Length m | Eye cm |
|------------------------|----------------------|--------------------------|-----------|-------------|-----------|
| 00136-1006-XXX | 00133-1006-XXX | 00132-1006-XXX | 10 | 6 | 40 |
| 00136-1010-XXX | 00133-1010-XXX | 00132-1010-XXX | 10 | 10 | 40 |
| 00136-1015-XXX | 00133-1015-XXX | 00132-1015-XXX | 10 | 15 | 40 |
| 00136-1206-XXX | 00133-1206-XXX | 00132-1206-XXX | 12 | 6 | 40 |
| 00136-1210-XXX | 00133-1210-XXX | 00132-1210-XXX | 12 | 10 | 40 |
| 00136-1215-XXX | 00133-1215-XXX | 00132-1215-XXX | 12 | 15 | 40 |
| 00136-1406-XXX | 00133-1406-XXX | 00132-1406-XXX | 14 | 6 | 40 |
| 00136-1410-XXX | 00133-1410-XXX | 00132-1410-XXX | 14 | 10 | 40 |
| 00136-1415-XXX | 00133-1415-XXX | 00132-1415-XXX | 14 | 15 | 40 |
| 00136-1606-XXX | 00133-1606-XXX | 00132-1606-XXX | 16 | 6 | 40 |
| 00136-1610-XXX | 00133-1610-XXX | 00132-1610-XXX | 16 | 10 | 40 |
| 00136-1615-XXX | 00133-1615-XXX | 00132-1615-XXX | 16 | 15 | 40 |
| 00136-1806-XXX | 00133-1806-XXX | 00132-1806-XXX | 18 | 6 | 40 |
| 00136-1810-XXX | 00133-1810-XXX | 00132-1810-XXX | 18 | 10 | 40 |
| 00136-1815-XXX | 00133-1815-XXX | 00132-1815-XXX | 18 | 15 | 40 |

| Polyester Rope 00111 | LIROS Nordic 01173 | Ø mm | Length m | Eye cm |
|-------------------------|-----------------------|-----------|-------------|-----------|
| 00111-1006-XXX | 01173-1001-XXX | 10 | 6 | 40 |
| 00111-1010-XXX | 01173-1002-XXX | 10 | 10 | 40 |
| 00111-1015-XXX | 01173-1015-XXX | 10 | 15 | 40 |
| 00111-1206-XXX | 01173-1201-XXX | 12 | 6 | 40 |
| 00111-1210-XXX | 01173-1202-XXX | 12 | 10 | 40 |
| 00111-1215-XXX | 01173-1215-XXX | 12 | 15 | 40 |
| 00111-1406-XXX | 01173-1401-XXX | 14 | 6 | 40 |
| 00111-1410-XXX | 01173-1402-XXX | 14 | 10 | 40 |
| 00111-1415-XXX | 01173-1415-XXX | 14 | 15 | 40 |
| 00111-1606-XXX | 01173-1601-XXX | 16 | 6 | 40 |
| 00111-1610-XXX | 01173-1602-XXX | 16 | 10 | 40 |
| 00111-1615-XXX | 01173-1615-XXX | 16 | 15 | 40 |
| 00111-1806-XXX | 01173-1801-XXX | 18 | 6 | 40 |
| 00111-1810-XXX | 01173-1802-XXX | 18 | 10 | 40 |
| 00111-1815-XXX | 01173-1815-XXX | 18 | 15 | 40 |

Attention: LIROS guarantees 80% of the linear breaking load for spliced material

Technical datas see

00136 Page 23

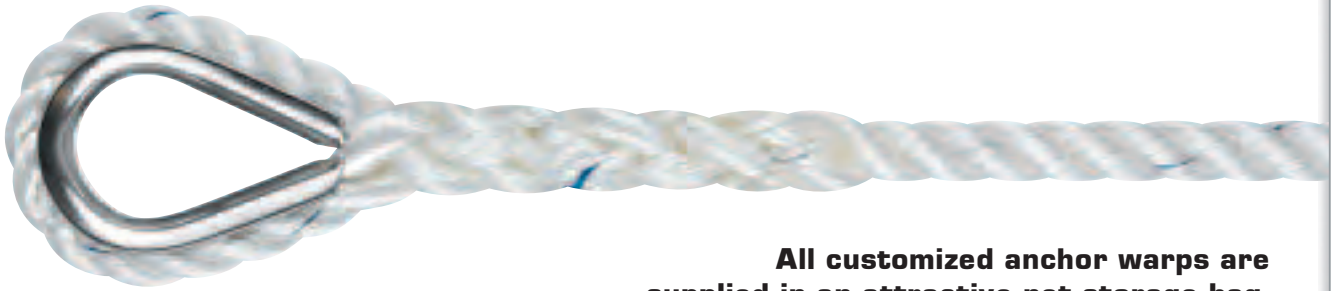
00133 Page 23

00132 Page 25

00111 Page 25

01173 Page 26

Please note that when placing your order for LIROS rope 3 digits denoting the colour required must be added to the article number. The detail pages showing the 3 digit number that equates to each colour.



All customized anchor warps are supplied in an attractive net storage bag.

Customized Anchor Warps

| LIROS Porto 00133 | Polyester Rope 00111 | Ø mm | Length m | Eye cm |
|----------------------|-------------------------|---------|-------------|----------------|
| 00133-1030-XXX | 00111-1030-XXX | 10 | 30 | S/S thimble |
| 00133-1230-XXX | 00111-1230-XXX | 12 | 30 | S/S thimble |
| 00133-1430-XXX | 00111-1430-XXX | 14 | 30 | S/S thimble |
| 00133-1630-XXX | 00111-1630-XXX | 16 | 30 | S/S thimble |

Attention: LIROS guarantees 80% of the linear breaking load for spliced material

Technical datas see
00133 Page 23
00111 Page 25



Customized LIROS Customized Fender Ropes

| LIROS Customized Fender Ropes 01580 | Ø mm | Length m | Eye cm |
|----------------------------------------|---------|-------------|-----------|
| 01580-0801-188 | 8 | 1.5 | 15 |

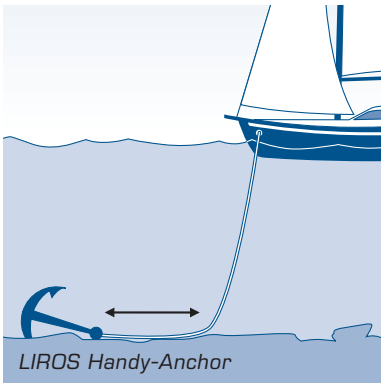
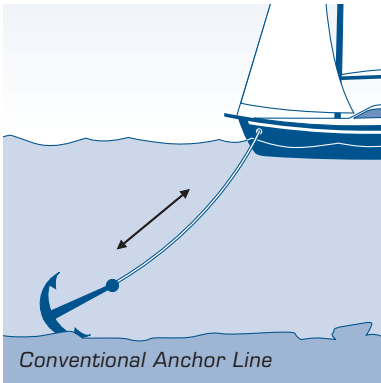
A practical solution to smart looking fender ropes that are professionally pre spliced. Available in black 32-plaited Polyester.

Specification:
one end with soft eye splice (15 cm) overall length 1.5 m

Packaging:
2 pieces per retail pack One side soft eye (15 cm),
total length 1.5 m

Material: High Tenacity 32-plait Polyester, black





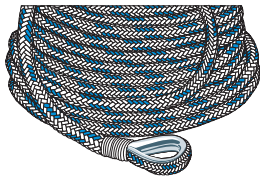
LIROS Handy-Anchor 01320/01322

Anchor line with lead weight built into the last 10 meters, can be used without chain, especially easy to handle, very easy to stow, stainless steel thimble spliced and whipped into every 30 or 40 m length.

100% Polyester, chafe and UV-resistant, white with blue colour coding and LIROS blue/gold mark yarn. Available in a nice blue LIROS kitbag.

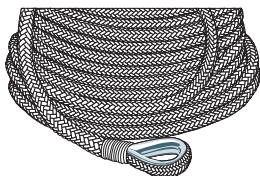
- usable without chain
- especially easy to handle
- very easy to stow
- available in an attractive kitbag

Colour 01320



229
White-Blue

Colour 01322



228
White

Cover
Polyester
Core
Polyester; lead
Construction
20-plaited

| | Ø mm | Breaking strength kg | Length m | Weight kg |
|-------|---------|-------------------------|-------------|--------------|
| 01320 | 10 | 1500 | 20 | 3.4 |
| | 10 | 1500 | 30 | 4.15 |
| | 10 | 1500 | 40 | 4.9 |
| | 12 | 2200 | 20 | 4.1 |
| | 12 | 2200 | 30 | 5.0 |
| | 12 | 2200 | 40 | 6.3 |
| | 14 | 3100 | 40 | 8.5 |
| | 16 | 4000 | 40 | 10.8 |

All lengths with 10 m lead core.

| | | | | |
|-------|----|------|----|------|
| 01322 | 12 | 1500 | 30 | 7.9 |
| | 12 | 1500 | 40 | 10.5 |
| | 12 | 1500 | 50 | 13.1 |
| | 14 | 2200 | 40 | 11.0 |
| | 14 | 2200 | 50 | 14.2 |
| | 16 | 3100 | 40 | 12.9 |
| | 16 | 3100 | 50 | 16.1 |

All lengths completely with lead core.

12 mm + 14 mm fitted with 8 mm Stainless Steel thimble
16 mm fitted with 10 mm Stainless Steel thimble

LIROS Seastar Classic

00173

High quality rope in natural colour for traditional yachts. Available in 16-plait double braid.

- *very easy to handle and easy to grip*
- *ideal for use in many applications for classic yachts*
- *with Dyneema® core for Regatta usage on demand (ref. 02520)*

Colour


008
Beige

Cover

Polyester matt yarn

Core

Polyester plaited

Construction

from 6 mm – 10 mm 16-plaited
from 12 mm 24-plaited

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 520 | 200 |
| 8 | 1000 | 200 |
| 10 | 1900 | 200 |
| 12 | 2400 | 200 |
| 14 | 2900 | 150 |
| 16 | 3500 | 100 |
| 18 | 4500 | 100 |
| 20 | 5200 | 100 |

LIROS Classic 3-strand

01172

High quality rope in natural colour for traditional yachts. 3-strand Polyester with good abrasion characteristics.

- *very easy to handle and easy to grip*
- *ideal for all classic applications*
- *premium visual appearance*

Colours


008
Beige

228
White

Material

Polyester matt yarn

Construction

3-strand

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 350 | 200 |
| 8 | 730 | 200 |
| 10 | 1100 | 200 |
| 12 | 1300 | 200 |
| 14 | 1700 | 150 |
| 16 | 2200 | 100 |
| 18 | 3500 | 100 |
| 20 | 4900 | 100 |



LIROS ClassTech

01127

LIROS ClassTech is available in large diameters for super yacht classic sailors. It's light weight makes it suitable even for larger classic yachts. LIROS ClassTech is available in a lot of different sizes for all ambitious sailors on classic boats.

- *Stretch characteristics >8%*
- *long lasting and UV-resistant*
- *resistant to acids and alkalis*
- *high abrasion resistance*
- *very easy to splice*
- *floats*
- *available in 220m coils only*

Colour



037
Hemp

Material Highly resilient PP-Synthetic fibre

Construction 3-strand

| Ø mm | Breaking strength kg | Length of coil m |
|------|----------------------|------------------|
| 10 | 1450 | 220 |
| 12 | 2100 | 220 |
| 14 | 2800 | 220 |
| 16 | 3580 | 220 |
| 18 | 4630 | 220 |
| 20 | 5560 | 220 |
| 22 | 6750 | 220 |
| 24 | 7560 | 220 |
| 26 | 9000 | 220 |
| 28 | 10200 | 220 |
| 32 | 11100 | 220 |

LIROS Historic 3 Strand

01140

Appearance like hemp, however it is softer and has better weather resistance, carries heavier loads while quality stays the same, UV-resistant.

- *easy to splice*
- *soft and easy to grip*
- *classical appearance*
- *very weather resistant*
- *Historic Rope plaited see page 65*
- *floats*

Colour



037
Hemp

Material Spun Polypropylene

Construction 3-strand

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 3 | 60 | 500 |
| 4 | 120 | 500 |
| 5 | 190 | 250 |
| 6 | 320 | 200 |
| 8 | 500 | 200 |
| 10 | 800 | 200 |
| 12 | 1100 | 200 |
| 14 | 1500 | 150 |
| 16 | 2000 | 100 |
| 18 | 2400 | 100 |
| 20 | 3000 | 100 |
| 22 | 3650 | 100 |
| 24 | 4800 | 100 |
| 26 | 5400 | 100 |
| 28 | 6000 | 100 |
| 30 | 6400 | 50 (Coil) |



| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 2 | 270 | 250 |
| 2.5 | 390 | 250 |
| 3 | 550 | 250 |
| 4 | 800 | 250 |
| 5 | 1100 | 250 |

Colour



228
White

Cover Special polyester
high twisted
2–3 mm 16-plaited
from 4 mm 1:1-plaited

Core Covered Dyneema® SK78

LIROS Magic Race 02016

Very low stretch rope with good grip in clutches. Solid construction and excellent abrasion resistance.

- *Stretch characteristics < 1.5%*
- *very UV resistant*
- *extreme low stretch*



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System



LIROS AntiTorsion 01442

The LIROS anti torque rope for replacing certain high load luff ropes.

- *Stretch characteristics < 1%*
- *Extremely stiff, non kinking construction with monofilament inner cover*
- *Extremely low stretch and high break load caused by Aramide core*
- *Anti torque and extremely stiff, not spliceable.*

Colour



205
Silver

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 6 | 1300 | 100 |
| 8 | 3000 | 100 |
| 10.5 | 4000 | 100 |
| 13 | 5000 | 100 |
| 16.5 | 8000 | 100 |

Cover

Polyester 16-plaited

Core

Aramid with monofilament cover



| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 2 | 350 | 100 |
| 3 | 1100 | 100 |
| 4 | 1400 | 100 |
| 5 | 2800 | 100 |
| 6 | 4200 | 100 |
| 8 | 7200 | 100 |

Colour



188
Black

LIROS V-Plus 04007

A new 100% Vectran single core rope for high load applications where minimum stretch and zero creep are essential. An innovative UV coating protects this rope from UV degradation and enhances the abrasion resistance.

- *Stretch characteristics < 1%*
- *easy to splice*
- *compact construction ensures shape retention under extreme loads*

Material 100% Vectran® 12-plaited with LIROS Impregnation

LIROS LCS
LIROS Coating System



Sailmaker

**LIROS Leach Line 01046**

Compact braided, shape retaining leach line for sailmakers.

- round (therefore easy to process)
- compact
- low-shrinking

Colour

228 White

Cover

Polyester low-shrinking
16-plaited

Core

Polyester low-shrinking

| Ø mm | Length of spool m |
|---------|----------------------|
| 2 | 250 |
| 2.5 | 250 |
| 3 | 250 |
| 3.5 | 250 |
| 4 | 250 |
| 4.5 | 250 |
| 5 | 250 |
| 5.5 | 250 |
| 6 | 200 |
| 7 | 200 |
| 8 | 200 |

**LIROS Lazy Jack 01531**

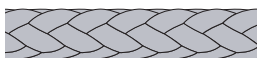
A new development with a hollow construction designed for quick and easy splicing. Developed for use as a Lazy Jack Rope available in 2 diameters: 4–5 mm and 6–7 mm.

- Compact and lightweight
- easy to splice
- extremely UV resistant
- easy handling

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
|---------|-------------------------|----------------------|

4–5 500 200

6–7 1100 200

Colour

205 Silver

Material

Polyester spin-dyed

Construction

12-plaited

**LIROS Dyneema®
Webbing 00186**

High tech webbing with very high strength. Multi purpose – for use on boats as well as sails and other high tenacity applications.

- lowest stretch
- high drag force
- very abrasion resistant
- no water absorption

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
|---------|-------------------------|----------------------|

25 1800 50

Colour228
White**Material** Dyneema® woven

NEW

LIROS Magic Sail 01512

Ideal for sailmakers. Round construction is compact and delivers minimum shrinkage.

- *minimum shrinkage*
- *good dimensional stability*

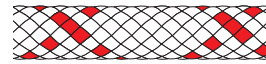
| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 2 | 95 | 100 |
| 3 | 185 | 100 |
| 4 | 320 | 100 |
| 5 | 680 | 100 |
| 6 | 940 | 100 |

Material
Polyester

Core
Polyester

Construction
2–5 mm 16-plaited
6 mm 1:1-plaited

Colour



236 White-Red



LIROS Bolt Rope 00124

High quality bolt rope. High twist 3-strand Polyester with low shrink properties in white with black fleck.

- *round*
- *compact*
- *low-shrinking*

Colour



228
White

| Ø mm | Length of spool m |
|---------|----------------------|
| 5 | 250 |
| 6 | 200 |
| 7 | 200 |
| 8 | 200 |
| 9 | 200 |
| 10 | 200 |
| 11 | 200 |
| 12 | 200 |

Material Polyester low-shrinking

Construction 3-strand

LIROS Optisail

02056

The perfect new lacing line for Optis. Very low stretch, lightweight, with the ultimate in knot holding. Abrasion-resistant cover construction, with specially developed core of Dyneema® SK78.

- *Stretch characteristics < 1.5%*
- *Optimized knot tenacity*
- *LIROS-Heat-Stretch-System*
- *Available on 100m reels or in Point-of-Sale carton with 20m reels*

Cover Polyester

Core Dyneema® SK78

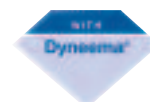
Construction 16-plaited

| | Ø mm | Breaking strength kg | Length of spool m |
|-------------------|---------|-------------------------|----------------------|
| 02056-0120 | 1.2 | 120 | 100 |
| 02056-2020 | 1.2 | 120 | 20x20/Ktn. |

Colour



199 Black-Red



LIROS HSS
Heat Stretch System

NEW



LIROS Magic Speed in Sales Package 01501

Very abrasion-resistant cover with excellent holding abilities in cleats, Polyester core provides low stretch. For use as dinghy halyards, and control lines.

- *very resistant, low stretching*

| Ref. | Ø mm | Number of spools |
|------|---------|---------------------|
|------|---------|---------------------|

01501-0002 2 10 x 30 m

01501-0003 3 10 x 15 m

Cover Polyester
Core Polyester
Construction 16-plaited with core

Colours



412 Red-Pink-Blue
 413 Blue-Pink
 414 Neon Yellow-Pink-Blue
 415 White Pink-Blue
 408 Black Neon Yellow-Blue



LIROS D-Pro in point of sale carton 01505

High Tech cords available in 2–4 mm. Essential accessory for all yachtsmen – multipurpose use. Very high breaking strength 2 mm - 410 daN, 3 mm - 950 daN and 4 mm - 1.300 daN.

- *Excellent UV and abrasion resistance*
- *easy to splice, assorted colours*

| Ref. | Ø mm | Number of spools |
|------|---------|---------------------|
|------|---------|---------------------|

01505-0002 2 10 x 30 m

01505-0003 3 10 x 15 m

01505-0004 4 5 x 10 m

Material Dyneema SK78,
Pre stretched and coated
Construction 12-plaited

Colours sorted



171 Red
 010 Blue
 059 Yellow
 316 Carbon
 228 White



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System



LIROS Polyester-Braided Line in Sales Package 01040

Made of Polyester, highly resilient

- *does not stiffen up*
- *very UV-resistant*
- *flexible*

| Ref. | Ø mm | Number of spools |
|------|---------|---------------------|
|------|---------|---------------------|

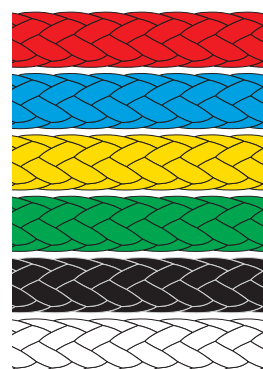
01040-0002 2 10 x 30 m

01040-0003 3 10 x 15 m

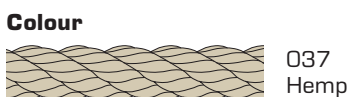
01040-0004 4 5 x 10 m

Material Polyester
Construction 8-plaited

Colours sorted



171 Red
 010 Blue
 059 Yellow
 086 Green
 188 Black
 228 White



Material Polypropylene cording twine
Construction 3-strand

Whipping Twine/Sewing thread Spools

| | Ø mm | Number of spools | Con- struction | Finish | Colour |
|--------------------------------------------|---------|---------------------|-------------------|-------------------|--------------------|
| 00001 | 1.0 | 5 x 30 m | plaited | unwaxed | 228 White |
| | 1.5 | 5 x 20 m | plaited | unwaxed | 228 White |
| | 1.5 | 5 x 20 m | plaited | intensively waxed | 228 White |
| | 1.2 | 5 x 30 m | twisted | waxed | 228 White |
| 00006 | 0.5 | 20 x 100 m | twisted | waxed | 228 White |
| 00007 | 1.2 | 20 x 30 m | twisted | waxed | 228 White |
| 00008 | 1.5 | 20 x 20 m | plaited | intensively waxed | 228 White |
| 00011 | 1.0 | 20 x 30 m | plaited | intensively waxed | 228 White |
| 00012 | 1.5 | 20 x 20 m | plaited | unwaxed | 054 Multicoloured* |
| 00013 | 1.5 | 20 x 20 m | plaited | intensively waxed | 054 Multicoloured* |
| LIROS Sewing thread | | | | | |
| 00099-0400 | 0.3 | 10 x 140 m | Polyester | | 228 White |
| LIROS Dyneema® waxed whipping twine | | | | | |
| 00099-0830 | 1.2 | 20x30 m | plaited | waxed | 316 Carbon |

All whipping twines available in 500m bulk spools.

* Coulored sorted: Black, Blue, Green, Red, Yellow

NEW



LIROS Trim Line in Sales Package 01522

Braided Polyester cords with core, assorted neon colours in LIROS sales carton.

- all-purpose
- popular self-service article
- round construction

Colours mixed colours
Cover Polyester
Construction 16-plaited with core

LIROS Historic in Sales Package 01140-0003

Hemp performance, but softer, more weather resistant, high load performance. Spun Polypropylene.

- easy to grip
- soft
- very weather resistant

| Ø mm | Number of spools |
|---------|---------------------|
| 3 | 5 x 15 m |

| Ref. | Ø mm | Number of spools |
|-------------------|---------|---------------------|
| 01522-0163 | 3 | 10 x 20 m |





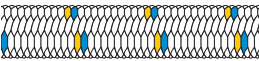



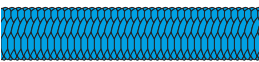
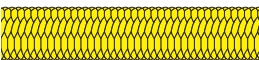
LIROS Shock Cord 00190

Highly elastic rubber with excellent stretch characteristics, braided cover made of abrasion resistant and highly resilient Polyester. White with guarantee yarn in blue/gold or fullcoloured black.

- Individual adaptation concerning colours
- round, abrasion resistant construction
- for industrial applications available in bulk quantities.

| | |
|---------------------|---------------------------------|
| Cover | Polyester |
| Core | high quality latex rubber white |
| Construction | 3–8 mm 16-plaited |
| | 10–14 mm 24-plaited |

Colours

| | |
|-----------------------------------------------------------------------------------|------------|
|  | 228 White |
|  | 188 Black |
|  | 171 Red |
|  | 086 Green |
|  | 010 Blue |
|  | 059 Yellow |

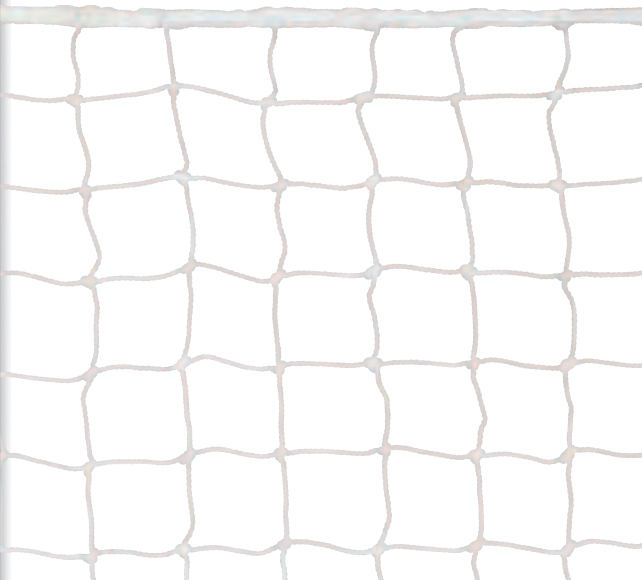
NEW

NEW

NEW

NEW

| Ø mm | Length of spool m |
|------|-------------------|
| 3 | 100 |
| 4 | 100 |
| 5 | 100 |
| 6 | 100 |
| 7 | 100 |
| 8 | 100 |
| 10 | 100 |
| 12 | 100 |
| 14 | 100 |



LIROS Guard Rail Netting 02040-0001-228

Top-quality guard-rail netting, knotted with 2mm polyester braided lines, white with reinforced edging.

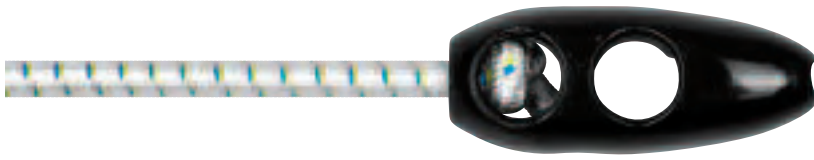
- mesh width approx. 45 mm
- width of net 60 cm
- rolls of 50 m lengths
- Colour: 228 White

LIROS Sail Ties 00187-2525-229

Mainsail webbing ties with a strong sewn eye. Very easy to use and self construction prevents chafe on the sail.

- Available as 5 pieces in a net storage bag
- Length: 2 metres each





LIROS Quick-Clip 01905/01907

Universal adjuster for shock cord.
Available singly or 5 pieces per PE
kitbag.

| | Ø mm | Length cm |
|-------------------|---------|--------------|
| 01905-4050 | 4 | 50 |
| 01905-5070 | 5 | 70 |
| 01907-8100 | 8 | 100 |
| 01907-8140 | 8 | 140 |

LIROS Nylon-Hook 01294-0400-228

For use on elastic lines,
4 mm Ø
10 pieces per PE kitbag.



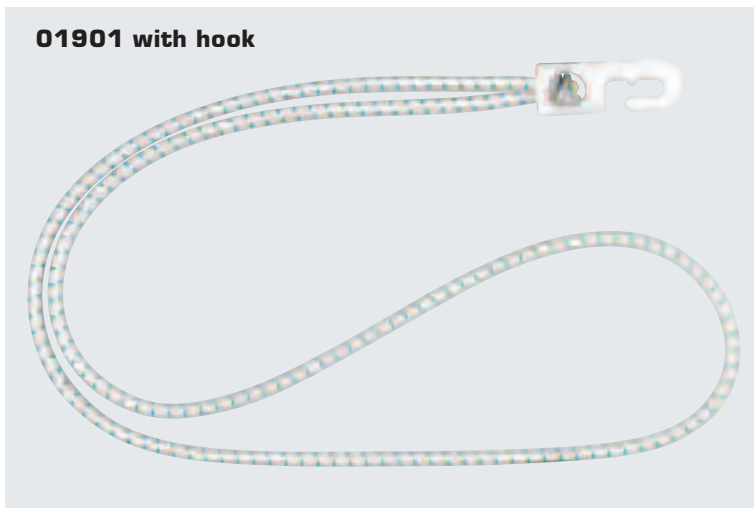
LIROS Snap hooks for shock cord 01194/01196/01198

For use on elastic lines, 4–8 mm Ø
5 pieces per PE kitbag.

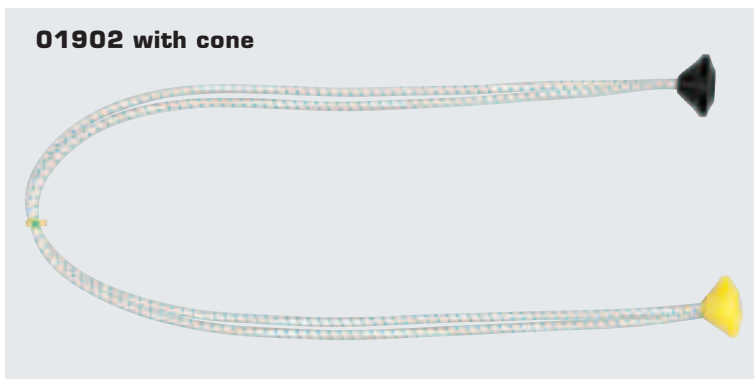
| | Ø in mm |
|-----------------------|---------|
| 01194-0400-228 | 4 |
| 01196-0600-228 | 6 |
| 01198-0800-228 | 8 |



01901 with hook



01902 with cone



LIROS Elastic Strops 01901/01902

High quality Rubber shock cord
strops with Polyester cover braid
and high tenacity hook for a multi-
tude of applications. Available in
packs of 5 pieces. Ideal to climb
promotion or textile banners.

| | Ø mm | Length cm |
|-----------------------|---------|--------------|
| 01901-0415-228 | 4 | 15 |
| 01902-0430-228 | 4 | 30 |
| 01901-0435-228 | 4 | 35 |
| 01902-0440-228 | 4 | 40 |
| 01901-0455-228 | 4 | 55 |
| 01902-0450-228 | 4 | 50 |
| 01901-0475-228 | 4 | 75 |
| 01902-0460-228 | 4 | 60 |



LIROS Trim Line Neon LIROS Trim Line

Low stretch quality, good grip, very good grip in cleats. Compact, round and abrasion resistant plait.

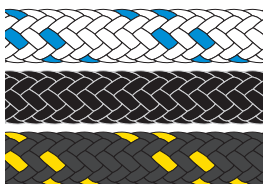
- *Stretch characteristics < 5%*
- *very UV-resistant*
- *low stretch quality and good grip*
- *line for windsurfing tried for a long time*

Colours 01522



416
Violet-Neon Yellow
417
Neon Yellow-Pink

Colours 01051



229
White-Blue
188
Black
195 Black-
Neon Yellow

Material Polyester

Construction 16-plaited with twisted core

01522

01051

01522

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 4 | 320 | 100 |
| 5 | 610 | 100 |
| 6 | 800 | 100 |

01051

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 3 | 200 | 100 |
| 4 | 320 | 100 |
| 4.5 | 500 | 100 |
| 5 | 610 | 100 |
| 6 | 800 | 100 |

LIROS Multi Purpose Line 10070/10072

For camping, household and outdoor.
Pre packed in LIROS poly bag.

- *attractive self-service article*
- *UV-resistant*
- *useful in many outdoor-fields*

Colour 10070



228
White

Colours 10072



171
Red
010
Blue
059
Yellow
086
Green
188
Black

| Ref. | Ø mm | Length of winder m |
|-------------------|---------|-----------------------|
| 10070-0230 | 3 | 20 |
| 10070-0330 | 3 | 30 |
| 10070-0530 | 3 | 50 |
| 10070-0240 | 4 | 20 |
| 10070-0340 | 4 | 30 |
| 10070-0250 | 5 | 20 |
| 10070-0350 | 5 | 30 |

Material Polypropylene multifilament

Construction 8-plaited

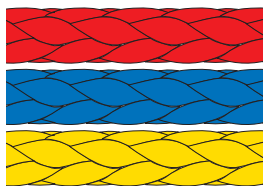


LIROS DC

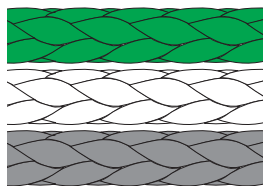
High-end kiteline, made of 100% Dyneema®. LIROS DC is perfect for flying line or bridle. Highest load capacity and extremely reduced diameter delivers best kite performance. Very good stretch characteristics, even after heavy loads, for precise control of the kite. LIROS DC – Kiting without compromise!

- *easy to splice*
- *outstanding, precise control of kite*
- *controlled manoeuvres*
- *low stretch even after high loading*
- *LIROS-Heat-Stretch-System*

Colours



171
Red
010
Blue
059
Yellow



086
Green
228
White
316
Carbondgrey

Material Dyneema® SK78, pre-stretched, coated

| Ref. | app. Ø mm | Breaking strength kg | Length* of spool m |
|--------------------|-----------|----------------------|--------------------|
| DC 000-0040 | 0.50 | 40 | 1000 |
| DC 000-0060 | 0.60 | 60 | 1000 |
| DC 000-0100 | 0.80 | 100 | 1000 |
| DC 000-0120 | 0.85 | 120 | 1000 |
| DC 000-0160 | 1.10 | 160 | 1000 |
| DC 000-0200 | 1.60 | 200 | 1000 |
| DC 000-0300 | 1.80 | 300 | 1000 |
| DC 000-0500 | 2.05 | 500 | 1000 |

* LIROS Flightport lines may come with up to 7 pieces on a reel, but each length will exceed 25 m.



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

LIROS Magic-High-Trimm

02080

Pre-stretched, very low stretch high-load adjust line, its special 8-plait cover out of highly resilient Polyester assures a good handling and excellent grip in cleats.

- *Stretch characteristics < 1.5%*
- *high load line*
- *extremely low stretch quality*
- *round, hard and very abrasion resistant plait*
- *LIROS-Heat-Stretch-System*

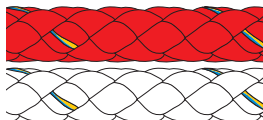


LIROS HSS
Heat Stretch System

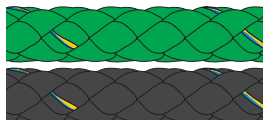
| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 4 | 800 | 250 |
| 5 | 1100 | 250 |
| 6 | 2200 | 200 |

Cover
Polyester 8-plaited
Core
Dyneema® SK78

Colours



171
Red
228
White



086
Green
188
Black



LIROS DSL

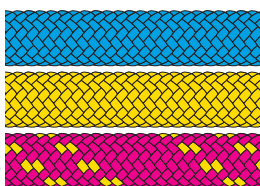
High-tech Dyneema® core fibre, combined with high-quality Polyester cover braid, guarantees long-lasting, high-altitude lines. Compact and smooth Polyester cover offers optimal line handling before launch. Polyester cover also protects the core from dust.

- *Optimized reset capabilities*
- *Low stretch characteristics*
- *Easy line identification*
- *Long life span*
- *LIROS-Heat-Stretch-System*

Colours



171
Red
086
Green
011
Blue-Yellow



010
Blue
059
Yellow
159
Pink-Yellow

Special colours on demand

Cover Polyester

Core Dyneema® SK78 heat set

| Ref. | app. Ø mm | Breaking strength kg | Length* of pool m |
|------------------------|--------------|-------------------------|----------------------|
| NEW DSL 00-0025 | 0.90 | 25 | 1000 |
| DSL 00-0035 | 0.95 | 35 | 1000 |
| DSL 00-0070 | 0.95 | 70 | 1000 |
| DSL 00-0140 | 1.25 | 140 | 1000 |
| DSL 00-0350 | 2.00 | 350 | 1000 |
| DSL 00-0600 | 2.40 | 600 | 500 |



LIROS HSS
Heat Stretch System

LIROS LTC

LIROS LTC – The competition line with top aerodynamic characteristics and two-way coating for long lasting performance.

Our unique LTC coating of each single fibre delivers load capacity after bending, UV stability and excellent handling properties.

NEW

LIROS nanocoating system for high-tech matt look to the surface!

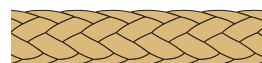
LIROS LTC is the perfect line for competitive and advanced-intermediate gliders.

- *Minimum stretch*
- *Minimum creep characteristics*
- *Double Nanocoating*
- *High Performance*
- *LIROS-Heat-Stretch-System*

Material 100% Technora®, 12-plaited

| Ref. | app. Ø mm | Breaking strength kg | Length* of pool m |
|------------------------|--------------|-------------------------|----------------------|
| LTC 00-0045 | 0.55 | 45 | 1000 |
| LTC 00-0065 | 0.65 | 65 | 1000 |
| LTC 00-0080 | 0.70 | 80 | 1000 |
| LTC 00-0120 | 1.10 | 120 | 1000 |
| LTC 00-0160 | 1.20 | 160 | 1000 |
| LTC 00-0200 | 1.30 | 200 | 1000 |
| NEW LTC 00-0350 | 1.75 | 350 | 500 |
| LTC 00-0400 | 1.90 | 400 | 500 |

Colour



008
Beige

LIROS LCS
LIROS Coating System

LIROS HSS
Heat Stretch System

LIROS PPSL

LIROS PPSL is lightweight, with minimum creep and unique load capacities, even after tough long-term use. PPSL is the reliable no-compromise solution.

- Optimized reset capabilities
- Low stretch characteristics
- Top performance, long life-span
- No loss of load capacity after bending
- LIROS-Heat-Stretch-System

| Ref. | app. Ø mm | Breaking strength kg | Length* spool m |
|------|-----------------|----------------------------|-----------------------|
|------|-----------------|----------------------------|-----------------------|

PPSL 0-0120 1.15 120 1000

PPSL 0-0160 1.40 160 1000

PPSL 0-0200 1.42 200 1000

PPSL 0-0275 1.90 275 1000

PPSL 0-0350 2.25 350 500

Cover Polyester
Core Dyneema® SK78
heat set



LIROS HSS
Heat Stretch System

Colours

| | |
|--|-----------------|
| | 171 Red |
| | 010 Blue |
| | 086 Green |
| | 059 Yellow |
| | 011 Blue-Yellow |
| | 159 Pink-Yellow |

Special colours on demand



Flightport



| Ref. | app. Ø mm | Breaking strength kg | Length* of spool m |
|------|--------------|-------------------------|--------------------------|
|------|--------------|-------------------------|--------------------------|

NTSL 00-0120 1.25 120 1000

NTSL 00-0160 1.40 160 1000

NTSL 00-0200 1.90 200 1000

NTSL 00-0250 2.15 250 1000

NTSL 00-0350 2.25 350 1000

LIROS HSS
Heat Stretch System

Colours



171 Red



010 Blue



059 Yellow



011 Blue-Yellow

Special colours on demand

LIROS NTSL

Paragliding line with excellent resistance to bending fatigue. Also available as TSL series for best performance.

- Lowest stretch and best reset results
- Optimized diameter at constant breaking strength
- Best bending fatigue
- LIROS Heat-Stretch-System

Cover Polyester
Core Technora®

LIROS TSL

The TSL series is the covered paragliding line with the best diameter to load capacity ratio. Very good aerodynamics, due to optimized construction. Minimum stretch and creep characteristics, due to high tenacity Technora fibers and LIROS Heat-Stretch-System. The braided water-repellent cover guarantees easy handling before launch.

- Optimized diameter at equal breaking strength
- Lowest creep and stretch
- Good resistance after bending
- LIROS Heat-Stretch-System

Colours



171 Red



010 Blue



059 Yellow



011 Blue-Yellow

Special colours
on demand

| Ref. | app. Ø mm | Breaking strength kg | Length* of spool m |
|------|--------------|-------------------------|--------------------------|
|------|--------------|-------------------------|--------------------------|

TSL 00-0115 1.25 115 1000

TSL 00-0140 1.30 140 1000

TSL 00-0190 1.55 190 1000

TSL 00-0220 1.65 220 1000

TSL 00-0280 1.80 280 1000

TSL 00-0380 2.20 380 1000

TSL 00-0500 2.37 500 500

Cover Polyester
Core Technora®

LIROS HSS
Heat Stretch System

* LIROS Flightport lines may come with up to 7 pieces on a reel, but each length will exceed 25 m.



LIROS DFL

LIROS DFL is a very flexible and low stretching frame line. Very good knot holding and UV resistance. Developed especially for steering and brake lines. LIROS DFL has very good behavior in high dynamic load ranges, especially through deflection by turning blocks.

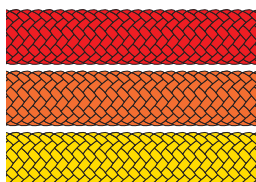
- Good knot tenacity
- Extremely abrasion resistant
- Light weight
- Very flexible

Cover Polyester

Core Dyneema® SK78

| Ref. | app. Ø mm | Breaking strength kg | Length* of spool m |
|--------------------|--------------|-------------------------|-----------------------|
| DFL 00-0115 | 1.40 | 115 | 1000 |
| DFLP 0-0232 | 1.90 | 200 | 500 |
| DFLS 0-0200 | 2.70 | 200 | 500 |
| DFL 00-0350 | 2.70 | 350 | 500 |

Colours



171
Red
150
Orange
059
Yellow



LIROS SL

Very long lasting and lightweight towing line for paragliding and winch towing. LIROS SL delivers a high level of safety. The SL500 is especially suitable for Tandem towing. The extremely thin diameter increases the capacity on the winch drum.

- Easy to splice
- Enormous weight reduction
- Low diameter increases winch capacity
- No water absorption
- Good resistance to UV

Colour



228
White

| Ref. | app. Ø mm | Breaking strength kg | Length* of spool m |
|--------------------|--------------|-------------------------|-----------------------|
| SL 000-0375 | 2.5 | 375 | 1000 |
| SL 000-0500 | 3.2 | 500 | 1000 |

Material Dyneema® SK78
Construction SL375 12-plaited
SL500 8-plaited



LIROS Safety Line

LIROS Safety Line was specially engineered for safety equipment applications, and is optimized to compensate for stretch and shock loading. Developed to deliver the ultimate in safety.

- Stretch under load < 25%
- Excellent damping characteristics
- Easy to splice

| Ref. | app. Ø mm | Breaking strength kg | Length* of spool m |
|-------------------|--------------|-------------------------|-----------------------|
| 10150-0400 | 4 | 110 | 250/1000 |
| 10150-0450 | 4.5 | 150 | 250/1000 |

Material high tenacity Polyamide

Colour



228
White

NEW

LIROS Max Load Black

02025

The full spectrum black cover is completely invisible in dark environments. High-quality, very low-stretch rope. LIROS Max Load Black is very durable and abrasion resistant. Very technical cover braid with a special core of coated Dyneema® SK78.

- *Stretch characteristics < 1.5%*
- *High loading capacity, lightweight and durable*
- *Extremely abrasion resistant due to special Polyester cover*
- *LIROS-Heat-Stretch-System*

Colour


188
Black

NEW

Cover

Special polyester high twisted

Core

Dyneema® SK78 with additional cover plait

Construction

2–3 mm 16-plaited

from 4 mm 1:1-plaited


LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|------|----------------------|-----------------|-------------------|
| 2 | 270 | 0.3 | 250 |
| 2.5 | 390 | 0.5 | 250 |
| 3 | 550 | 0.7 | 250 |
| 4 | 800 | 1.1 | 250 |
| 5 | 1100 | 1.5 | 250 |
| 6 | 2500 | 2.5 | 200 |
| 8 | 3800 | 4.2 | 200 |
| 10 | 5000 | 6.1 | 200 |
| 12 | 7200 | 8.8 | 200 |
| 14 | 9500 | 13.2 | 150 |
| 16 | 12800 | 15.0 | 100 |
| 18 | 15300 | 18.0 | 100 |
| 20 | 18500 | 23.6 | 100 |
| 22 | 20000 | 28.2 | 100 |
| 24 | 23000 | 32.1 | 100 |

LIROS Soft Black

00174

High-quality, easy to handle, non-slip matt Polyester rope with a flexible cover. The matt black cover is completely invisible in dark environments.

- *Stretch characteristics < 6%*
- *Good knot tenacity*
- *Soft grip, very easy to handle*

Colour


188
Black

NEW

Cover

Polyester matt yarn coloured

Core

Polyester plaited

Construction

Ø 5 mm 8-plaited

Ø 6 bis 10 mm 16-plaited

over Ø 12 mm 24-plaited

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 5 | 300 | 250 |
| 6 | 520 | 200 |
| 8 | 1000 | 200 |
| 10 | 1900 | 200 |
| 12 | 2400 | 200 |
| 14 | 2900 | 150 |
| 16 | 3500 | 100 |

**LIROS Poly Black****01076**

Affordable, extremely lightweight rope for theatrical and cable applications. Very easy-to-handle design of deep black polypropylene multifilament. Antistatic.

- *Stretch characteristics < 12%*
- *Very lightweight*
- *Easy to handle*
- *Floats*
- *UV-stabilized*
- *Affordable*

Colour188
Black**NEW****Material** Polypropylene Multifilament**Construction** 8-plaited

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 1.5 | 38 | 500 (X-Spool) |
| 2.0 | 70 | 500 (X-Spool) |
| 3.0 | 140 | 500 (X-Spool) |
| 4.0 | 280 | 500 (X-Spool) |
| 5.0 | 390 | 250 |
| 6.0 | 550 | 200 |
| 8.0 | 900 | 200 |
| 10.0 | 1230 | 200 |
| 12.0 | 1700 | 200 |
| 14.0 | 2000 | 150 |
| 16.0 | 3700 | 100 |

LIROS D-Pro Black**01508**

Optimized breaking strength and stretch characteristics, guaranteed. LIROS Heat Stretch System optimizes stretch and abrasion resistance. Lowest weight, easy-to-splice construction, making LIROS D-Pro Black ideal for various applications in show rigging. Ideal as replacement of steel wire. Antistatic.

- *Stretch characteristics < 1%*
- *Matt black surface*
- *Non reflective*
- *Very high load capacity at minimum diameter and weight*
- *First choice on applications with extreme loads*
- *Easy to splice*
- *Best UV resistance*
- *LIROS Heat-Stretch-System*

Colour188
Black**NEW**

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|------|----------------------|-----------------|-------------------|
| 1 | 195 | 0.09 | 100 |
| 1.5 | 230 | 0.13 | 100 |
| 2 | 410 | 0.18 | 100 |
| 2.5 | 580 | 0.35 | 100 |
| 3 | 950 | 0.46 | 100 |
| 4 | 1300 | 0.70 | 100 |
| 5 | 2600 | 1.30 | 100 |
| 6 | 4300 | 2.30 | 100 |
| 8 | 5300 | 3.50 | 100 |
| 9 | 7500 | 4.90 | 100 |
| 10 | 9000 | 6.00 | 100 |
| 12 | 11900 | 7.20 | 100 |
| 14 | 14500 | 9.50 | 100 |
| 16 | 19000 | 13.10 | 100 |



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Material Dyneema® SK78 coated
Construction 12-plaited, pre-stretched and coated

LIROS Multi Black

01037

Black, high-tenacity Polyester braiding. High grip surface.
Multiple application rope.

- Stretch characteristics < 10%
- Flexible
- Won't stiffen
- High UV resistance
- Abrasion resistant

Colour

188
Black

NEW

Material high tenacity Polyester
Construction 16-plaited with core

NEW

Flame-resistant version also available, meets DIN 4102 fire protection class B1 standards. (Load capacities differ from ref. 01037).

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 1.0 | 35 | 500 (X-Spool) |
| 2.0 | 90 | 500 (X-Spool) |
| 3.0 | 150 | 500 (X-Spool) |
| 4.0 | 280 | 500 (X-Spool) |
| 5.0 | 450 | 250 |
| 6.0 | 640 | 200 |
| 8.0 | 1100 | 200 |
| 10.0 | 1700 | 200 |
| 12.0 | 2200 | 200 |
| 14.0 | 3000 | 150 |
| 16.0 | 3900 | 100 |



LIROS V-Plus

04007

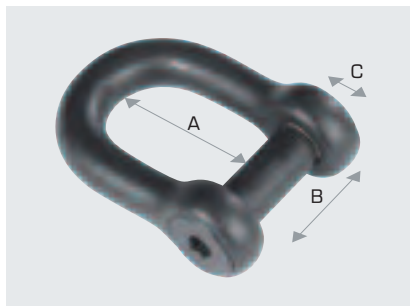
- Stretch characteristics < 1%
- Easy to splice
- Dimensionally stable and heat resistant

Colour

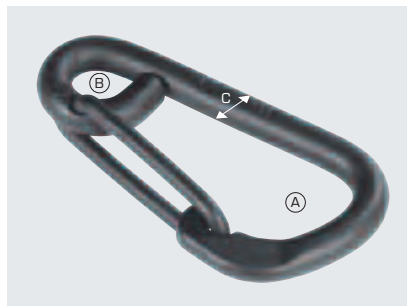
188
Black

Material 100% Vectran®
12-plaited with
LIROS LCS Coating

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 2 | 350 | 100 |
| 3 | 1100 | 100 |
| 4 | 1400 | 100 |
| 5 | 2800 | 100 |
| 6 | 4200 | 100 |
| 8 | 7200 | 100 |



Standard shackle, Art. 1304B



Carabiner Hook, Art. 2325B



Snap shackle, Art. 2471B

LIROS Shackle Black

Matt coated black shackles.
3 different styles, completely non-reflective.

| | Standard shackle Art. 1304B | Carabiner Hook Art. 2325B | Snap shackle Art. 2471B |
|------------------|--------------------------------|------------------------------|----------------------------|
| Weight | 53 g | 73 g | 42 g |
| Working load | 960 kg | 960 kg | 960 kg |
| Breaking load | 2700 kg | 1500 kg | 2000 kg |
| Measurements A/B | 26 mm/16 mm | 15 mm/11 mm | 16 mm/10 mm |
| Diameter C | 8 mm | 8 mm | — |
| Colour | Black | Black | Black |

NEW



LIROS Sky

01002

Compact, easy-running, ultra-light weight single rope. Offers excellent strength for experienced climbers. Manufactured according to EN 892. CE approved.

- *Impact Force (with 80kg) 7.3 kN*
- *Unique LIROS DryRope System for lower weight in wet conditions*
- *Number of falls: 10 – Weight (g/m): 62*
- *Extremely resistant against sharp edges*
- *Black middle marking*

Colours



502
Blue-Green-Orange



013
Blue-Yellow-Red

Single rope: suitable for single-line climbing, providing optimal 'rope drag' control. For all difficult straight-line climbs, or easy routes with no belaying/rappelling points, requiring a single-line approach. A favorite among sport climbers.

| Ref. | Ø mm | Length m |
|------|---------|-------------|
|------|---------|-------------|

01002-0970 9.7 200

01002-0971 9.7 60

01002-0972 9.7 70

Material high tenacity Polyamide

LIROS DRS
..... Dry Rope System

NEW

LIROS Sky Duo

01001

LIROS dynamic 'half' rope for double rope applications. Lowest weight for advanced/extreme climbers. Manufactured according to EN 892. CE approved.

- *Impact Force (with 55kg on one rope) 5.1 kN*
- *Comes with unique LIROS DryRope System*
- *Number of falls: 18 – Weight (g/m): 48*
- *Extremely resistant against sharp edges*
- *Black middle marking*

Colours



058
Fuchsia



059
Yellow

Double rope: For double line systems, with two climbers tied to one end of both strands (or at the mid-point, for the leader on a bicolour dual rope system). On solid anchor points (bolts, embedded anchors, etc.) avoid drag by using extenders. On uncertain anchors (ice screws, pitons, cams, etc.) clip alternate strands to lower the impact force. Great for mountain touring or for long climbing routes, where you want to rappel. Also recommended for securing unsafe points (e.g., while ice climbing).

| Ref. | Ø mm | Length m |
|------|---------|-------------|
|------|---------|-------------|

01001-0860 8.6 200

01001-0861 8.6 50

01001-0862 8.6 60

Material high tenacity Polyamide

LIROS DRS
..... Dry Rope System

NEW

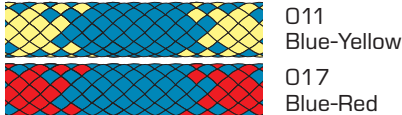
LIROS Rock

01003

New from LIROS. Versatile, affordable single rope for classic climbers. Manufactured according to EN 892. CE approved.

- Impact Force (with 80 kg) 8 kN
- Number of falls: 8 – Weight (g/m): 65
- Extremely resistant against sharp edges
- Black middle marking

Colours



Single rope: suitable for single-line climbing, providing optimal 'rope drag' control. For all difficult straight-line climbs, or easy routes with no belaying/rappelling points, requiring a single-line approach. A favorite among sport climbers.

| Ref. | Ø mm | Length m |
|------|---------|-------------|
|------|---------|-------------|

01003-1020 10.2 200

01003-1021 10.2 60

01003-1022 10.2 70

Material high tenacity Polyamide

NEW

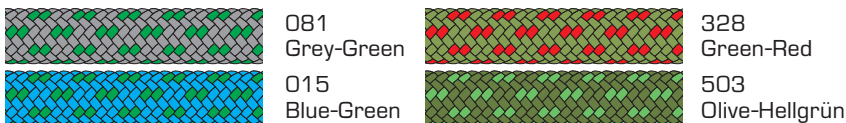
LIROS Wall

01004

Versatile LIROS single rope, specially developed for Indoor climbing. The compact Polyamide cover ensures superior abrasion characteristics and unparalleled protection against sharp edges. LIROS Wall offers superior lifespan, compared to conventional climbing ropes. Perfect core-cover connection to avoid "sock effect". Manufactured according to EN 892. CE approved.

- Impact Force (with 80kg) 8.4 kN
- Number of falls: 8, minimal cover-core slippage
- Weight (g/m): 71, highly resistant against sharp edges
- Retains flexibility throughout its lifetime

Colours



| Ref. | Ø mm | Length m |
|------|---------|-------------|
|------|---------|-------------|

01004-1050 10.5 200

Material high tenacity Polyamide

NEW



LIROS Accessory Cord

01024

LIROS Accessory cord provides high abrasion resistance to secure your equipment. Multifunction line, suited for nearly all outdoor and climbing purposes. Exceptionally long-lasting construction, with good knot hold.

- *Very flexible, high abrasion resistance*

Colours



411
Red-Blue-Neon Yellow



507
Blue-Red-Yellow



485
Neon Yellow-Red-Blue

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 3 | 225 | 100 |
| 4 | 370 | 100 |
| 5 | 550 | 100 |
| 6 | 730 | 100 |
| 8 | 1600 | 100 |

Material high tenacity Polyamide

Construction 16-plaited

LIROS Semi-static rope

00099-1116

The LIROS semi-static rope is a strong and durable rope for life safety/rescue applications, spelunking, or rope access/scaffolding. The unique abrasion-resistant cover protects the core from external weather conditions and dirt. The exclusive LIROS cover-core construction design, with two specially-braided centre cords, virtually eliminates the "sock effect." Manufactured according to EN 1891.

- *Durable construction, high abrasion resistance*
- *Easy and comfortable to handle*
- *Very low cover-core slippage*
- *Also available in individual lengths with stitched eye.*

Colour



382
White-Blue-Black

| Ø mm | Breaking strength kg | Length m |
|---------|-------------------------|--------------|
| 10.5 | 3.300 | On demand |

Material high tenacity Polyamide

Construction 1:1-plaited

LIROS HSS
Heat Stretch System

NEW

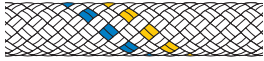


LIROS Safe White

01011

"Standards-ready" semi-static rope for Professional Protective Equipment (PPE). Developed by LIROS for all industrial applications. Minimum cover-core slippage due to double braid construction and LIROS Heat-Stretch-System.

Colour



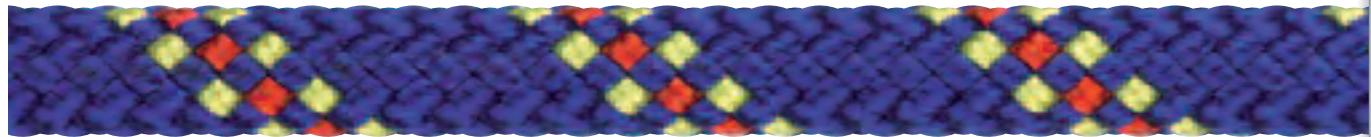
230
White-Blue-Yellow



| Ø mm | Breaking strength kg | Weight kg/100m | Length of spool m |
|---------|-------------------------|-------------------|----------------------|
| 10 | 2700 | 6.2 | 200 |
| 11 | 3500 | 7.9 | 200 |
| 12 | 4000 | 8.2 | 200 |
| 14 | 4800 | 10.2 | 200 |

Cover high tenacity Polyamide
Core high tenacity Polyamide
Construction 32-plaited

LIROS HSS
Heat Stretch System



LIROS Safe Blue

01012

"Standards-ready" semi-static rope for Professional Protective Equipment (PPE) and for specialized industrial applications such as rappelling in high abrasion environments. Minimal cover-core slippage due to double braid construction and LIROS Heat-Stretch-System.

Colour



013
Blue-Yellow-Red



| Ø mm | Breaking strength kg | Weight kg/100m | Length of spool m |
|---------|-------------------------|-------------------|----------------------|
| 9 | 2400 | 4.6 | 200 |

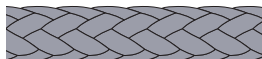
Cover high tenacity Polyamide
Core high tenacity Polyamide
Construction 1:1-plaited

LIROS HSS
Heat Stretch System

**LIROS D-Pro XTR****01481**

LIROS D-Pro XTR guarantees optimized breaking strength and stretch values through our LIROS Heat Stretch System. Unbeatable abrasion resistance, low weight and easy splicing provide for shorter assembly times and offer new solutions for forestry and arborist applications. Ideal for replacement of steel wire in a wide variety of settings. Carrying heavy steel ropes now belongs to the past!

- *Stretch characteristics < 1%*
- *Very high break load at minimum diameter and minimum weight*
- *8x lighter than steel, first choice for applications with extreme loads*
- *Excellent splicing ability, can be protected with additional cover*
- *Very economical and ergonomic for professional foresters*
- *High UV and abrasion resistance*
- *Water-repellent coating*
- *LIROS Heat-Stretch-System*

Colour

316
Carbongrey



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 6800 | 100 / on demand |
| 10 | 10500 | 100 / on demand |
| 12 | 14500 | 100 / on demand |
| 14 | 17500 | 100 / on demand |
| 16 | 22000 | 100 / on demand |
| 18 | 26000 | 100 / on demand |
| 20 | 32000 | 100 / on demand |
| 22 | 38000 | 100 / on demand |
| 24 | 44000 | 100 / on demand |

Material Dyneema® SK78 coated
Construction 12-plaited,
heat set and coated

LIROS Racer**02001**

Proven durability of Dyneema® rope, with high breaking load and minimum stretch. With a specially designed 32-plait cover and a coated Dyneema® fiber in the core, perfect for all work where low stretch and high tensile strength are a must. Great on winches, perfect for pulling trees.

- *Stretch characteristics < 1.5%*
- *High breaking strength*
- *Very good on winches*
- *LIROS Heat-Stretch-System*

Colours

171
Red



150
Orange



086
Green



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

| Ø mm | Breaking strength kg | Weight kg/100 m | Length of spool m |
|---------|-------------------------|--------------------|----------------------|
| 6 | 2500 | 2.7 | 200 |
| 8 | 3800 | 5.1 | 200 |
| 10 | 5000 | 7.1 | 200 |
| 12 | 7200 | 8.5 | 200 |
| 14 | 9500 | 11.5 | 150 |
| 16 | 12600 | 14.4 | 100 |
| 18 | 15300 | 17.9 | 100 |
| 20 | 18500 | 23.7 | 100 |
| 22 | 20000 | 28.5 | 100 |

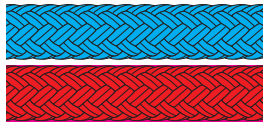
Cover Polyester high twisted
Core Dyneema® SK78 with
additional inner cover plait
Construction 6–8 mm 24-plaited
from 10 mm 32-plaited

LIROS Lowering Rope

Specifically designed for Tree Surgeons. Great handling rope in cover/core construction made of 100% Polyester. Excellent strength, will not harden. Special LIROS LCS Coating provides extreme abrasion resistance and improves handling/performance when working in wet conditions.

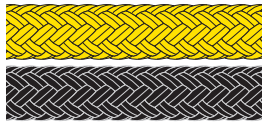
- Easy to splice
- Very supple and UV resistant
- Durable
- Will not stiffen

Colours



12 mm
010 Blue

16 mm
171 Red



14 mm
059 Yellow

18 mm
188 Black

LIROS LCS
LIROS Coating System

NEW

| | Ø mm | Breaking strength kg | Length of spool m |
|-------------------|---------|-------------------------|----------------------|
| 00099-0441 | 12 | 4500 | 200 / on demand |
| 00099-0442 | 14 | 5500 | 150 / on demand |
| 00099-0443 | 16 | 6700 | 100 / on demand |
| 00099-0695 | 18 | 7600 | 100 / on demand |

Cover high twisted Polyester, 20-plaited

Core Polyester high tenacity

LIROS Prussik

00099-1389

Higher breaking load - LIROS Prussik Rope is specially manufactured for arboriculture where resistance against heat and friction is necessary. A mixture of heat-resistant hybrid fibers combined with high tenacity Polyester provides this rope with great durability, even under high friction and heat. Great usability working with knots.

- Excellent abrasion resistance at high temperature
- Hybrid fibers prevents cover melting
- Perfect cover-core connection
- Very flexible in use
- Available customized with sewed eye at both ends.

NEW

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 1600 | 200 |

Colour



061
Yellow-Blue

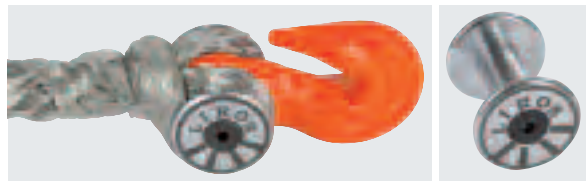
Cover 50% Hybrid fibers,
50% Polyester
32-plaited

Core high tenacity Polyester

LIROS Rope Fix

00104

Extremely safe – extremely easy – extremely strong. This unique LIROS invention is the best alternative to common terminals for forest winch purposes. LIROS Rope Fix has been developed with a high tenacity steel alloy, and can be left at the hook for quick rope changes. Despite its low weight, LIROS Rope Fix ensures excellent stability between hook and rope. LIROS Rope Fix has been certified by KWF (Trustees for Forestry Work Technology). Direct hook installation, without a connecting link, reduces the risk of winch accidents. The simple connection and easy access to the LIROS Rope Fix ensure high efficiency in practical applications. Installing Rope Fix is extremely easy, simply place a properly pre-formed rope loop (without thimble) around the LIROS Rope Fix. Can be done by any user directly on-site.



Rope Fix example (rope and hook not included)

| | 5 t | 10 t |
|------------------------|------------|-------------|
| Art.-Nr. | 00104-0001 | 00104-0002 |
| Rope diameter | 10 mm | 12 - 16 mm |
| Max. load | 7.5 t | 11.6 t |
| Ø pin | 16.5 mm | 21.5 mm |
| Distance between discs | 50 mm | 57 mm |
| Ø disc | 36.5 mm | 53.5 mm |
| Hook mouth | 10.5 mm | 13.5 mm |

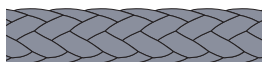


LIROS Offroad Winch Rope 01505

Specially-designed recovery rope for extreme winch applications. Perfect replacement for wire on every kind of winch. Tear-resistant and 8x lighter than steel wire. LIROS Offroad Winch Rope offers perfect performance and safety in all recovery outdoor applications. Designed for long-term outdoor use and completely ready for use. Working end: carabiner hook, plus 2 adjustable protective shells for friction points. Winch end: Special flat terminal for fixing to winch drum, protected by 3m heat resistant monofilament braid.

- *Stretch characteristics < 1%*
- *Extremely high breaking strength at lower diameter and weight*
- *Replaces steel wire*
- *Easy to splice*
- *High UV and abrasion resistance*
- *LIROS-Heat-Stretch-System*

Colour



316
Carbon



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Material Dyneema® SK78

Construction 12-plaited

| Ref. | Ø mm | Length m | Winch size t | Rope Breaking strength kg |
|-------------------|---------|-------------|--------------------|---------------------------------|
| 01505-0801 | 8 | 30 | 4.3 | 5500 |
| 01505-0802 | 8 | 40 | 4.3 | 5500 |
| 01505-1001 | 10 | 30 | 4.3 | 8500 |
| 01505-1001 | 10 | 40 | 4.3 | 8500 |

Hook breaking load t

small 1.6

large 2.5



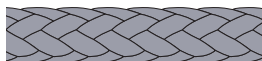
LIROS D-Pro XTR

01481

LIROS Heat Stretch System guarantees optimized breaking strength and stretch characteristics. Top abrasion resistance, low weight and easy splicing provide new solutions for offroad winching or towing in outdoor terrain. Ideal for replacement of steel wire in different applications.

- *Stretch characteristics < 1%*
- *Very high break load at minimum diameter and weight*
- *First choice for applications with extreme loads*
- *Easy to splice*
- *Can be protected with additional cover*
- *High UV and abrasion resistance*
- *Water-repellent*
- *LIROS-Heat-Stretch-System*

Colour



316
Carbon

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 6800 | 100 / on demand |
| 10 | 10500 | 100 / on demand |
| 12 | 14500 | 100 / on demand |
| 14 | 17500 | 100 / on demand |

Material Dyneema® SK78 coated

Construction 12-plaited, heat set and coated



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

LIROS Offroad Towing Rope

01058-2401

This towline has been designed to withstand extremely high forces during dynamic Towing (e.g., in sand). The line will allow hopelessly stuck SUVs to be dragged out of the toughest situations. Tubular webbing made of abrasion resistant Polyester. Affords excellent eye protection in severe conditions.

- *Protective webbing at one end*
- *Up to 30% stretch at shock loads*
- *Highly durable, suitable for long-term use*
- *Floats*

Colour



228
White



Material Polyamide
Construction 8-strand octoplatit

| Ref. | Ø mm | Length m | Breaking strength kg |
|-------------------|---------|-------------|-------------------------|
| 01058-2401 | 24 | 5 | 9500 |
| 01058-2402 | 24 | 8 | 9500 |
| 01058-2403 | 24 | 12 | 9500 |



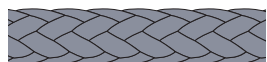
LIROS Offroad Shackle

00146

LIROS Offroad Shackle combines exceptional flexibility and light weight with enormous breaking load. Extremely abrasion-resistant protective shell makes this shackle a must for offroad and 4x4 applications. Very durable and massive holding power.

- *Convenient and lightweight*
- *High breaking strength*
- *Locking system even when not under load*
- *Minimized injury risks*
- *10x lighter than equivalent metal shackle*

Colour



316
Carbon



Material Dyneema® SK78 coated
Protective cover Polyester



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

| Ref. | Breaking strength kg | Working strength daN |
|-------------------|-------------------------|-------------------------|
| 00146-0077 | 7000 | 4000 |
| 00146-0078 | 12000 | 7000 |
| 00146-0079 | 20000 | 12000 |



Offroad



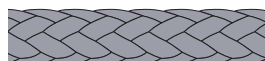
LIROS D-Pro XTR

01481

Highest breaking load combined with lowest stretch/low weight make this rope perfect as a replacement for steel wire in different industrial applications.

- *Stretch characteristics <1%*
- *8x lighter than steel wire*
- *First choice for applications with extreme loads*
- *Easy to splice*
- *High UV and abrasion resistance*
- *LIROS-Heat-Stretch-System*

Colour



316
Carbon

Material Dyneema® SK78 coated

Construction 12-plaited, heat set and coated

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 6800 | 100 / on demand |
| 10 | 10500 | 100 / on demand |
| 12 | 14500 | 100 / on demand |
| 14 | 17500 | 100 / on demand |
| 16 | 22000 | 100 / on demand |
| 18 | 26500 | 100 / on demand |
| 20 | 32000 | 100 / on demand |
| 22 | 38000 | 100 / on demand |
| 24 | 44000 | 100 / on demand |



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

LIROS Braided Dyneema® Cord "fine lines" 00148

LIROS offers a comprehensive range of braided Dyneema lines which can be used in industry as well as the nautical and aviation environments.

- *Stretch characteristics < 1%*
- *high breaking strength*
- *lowest stretch characteristics*
- *available up 0.04 mm to 24 mm*
- *custom lengths, colours and constructions on demand*
- *standard reel size 500-m-X-Spool*

Colour



228
White

Material Dyneema®

As an innovative company, LIROS pioneered the use of the high tenacity fibre Dyneema®. We offer a wide range of Dyneema® plaits, tailor-made according to your needs and suitable for a wide range of technical applications in industry and sports. LIROS aim to replace wire cables with textile alternatives.

Work with the world leader, call LIROS with your technical enquiries and we'll build a better rope for you.

| Ref. | Ø mm | Breaking strength kg | Construction | Length of spool |
|-------------------|---------|-------------------------|--------------|--------------------|
| 00148-0006 | 0.6 | 3.8 | 3-plaited | 500 m |
| 00148-0014 | 0.14 | 8.0 | 3-plaited | 500 m |
| 00148-0018 | 0.18 | 11.5 | 3-plaited | 500 m |
| 00148-0024 | 0.24 | 16 | 6-plaited | 500 m |
| 00148-0030 | 0.30 | 25 | 6-plaited | 500 m |
| 00148-0040 | 0.40 | 36 | 6-plaited | 500 m |
| 00148-0060 | 0.60 | 60 | 6-plaited | 500 m |
| 00148-0080 | 0.80 | 90 | 8-plaited | 500 m |
| 00148-0100 | 1.00 | 115 | 6-plaited | 500 m |
| 00148-0150 | 1.5 | 175 | 8-plaited | 500 m |
| 00148-0200 | 2.0 | 200 | 8-plaited | 500 m |
| 00148-0250 | 2.5 | 430 | 12-plaited | 500 m |

Data sheet shows only a selection of possible diameters and constructions.



LIROS HSS
Heat Stretch System

LIROS Aramide Braided Cord 00147

Very tensile and low stretch braided line for special use in industry and leisure activities.

- *Stretch characteristics < 1.5%*
- *extremely heat-resistant*
- *especially tensile*
- *low stretching, excellent for replacing steel wire*
- *individual adaptation concerning length*
- *other diameters available on request*

Colour



059
Yellow

Material Aramide

| Ø mm | Breaking strength kg | Construction | Length of spool |
|---------|-------------------------|--------------|--------------------|
| 0.4 | 45 | 6-plaited | 500-m-X-Spool |
| 0.9 | 80 | 6-plaited | 500-m-X-Spool |
| 1.0 | 100 | 16-plaited | 500-m-X-Spool |
| 1.5 | 135 | 8-plaited | 500-m-X-Spool |
| 2.0 | 250 | 16-plaited | 500-m-X-Spool |
| 2.1 | 290 | 8-plaited | 500-m-X-Spool |
| 3.0 | 560 | 8-plaited | 500-m-X-Spool |
| 4.0 | 700 | 8-plaited | 500-m-X-Spool |
| 5.0 | 1000 | 8-plaited | 250-m-X-Spool |
| 6.0 | 2000 | 8-plaited | 200-m-Spool |



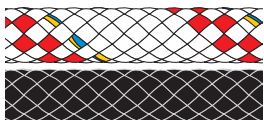
LIROS Aramide

00144

Very low stretch and high tensile Aramide line with intermediate cover and additional Polyester plait.

- *Stretch characteristics < 1.5%*
- *especially tensile*
- *extremely low stretch quality*
- *optimised UV-resistance through Polyester cover*

Colours



236
White-Red
188
Black

Cover up to 2.5 mm Polyester 16-plaited
from 3.5 mm Polyester 1:1-plaited
Core Aramide

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 2 | 170 | 500 |
| 2.5 | 260 | 500 |
| 3.5 | 500 | 500 |
| 5 | 800 | 250 |
| 6 | 1100 | 200 |
| 8 | 2000 | 200 |
| 10 | 2600 | 200 |
| 12 | 3600 | 200 |
| 14 | 5200 | 150 |



8-plaited

16-plaited

LIROS Polyester-Braided Cords and Lines

01040/01038

Polyester, high tenacity.

- *Stretch characteristics < 10%*
- *does not stiffen up*
- *very UV-resistant*
- *flexible*
- *abrasion resistant*
- *individual lengths possible*

Material

Polyester high tenacity

Construction 01040

8-plaited

Construction 01038

16-plaited

Colours 01040

171

Red



010

Blue



059

Yellow



086

Green



228

White



188

Black

Colour 01038

228

White

| | Ø mm | Breaking strength kg | Length of spool m |
|--------------------|---------|-------------------------|----------------------|
| 01040/01038 | 1.0 | 35 | 500 (X-Spool) |
| | 1.5 | 50 | 500 (X-Spool) |
| | 2.0 | 90 | 500 (X-Spool) |
| | 2.5 | 130 | 500 (X-Spool) |
| | 3.0 | 150 | 500 (X-Spool) |
| White & Coloured | 4.0 | 280 | 500 (X-Spool) |
| | 5.0 | 450 | 250 |
| | 6.0 | 640 | 200 |
| | 8.0 | 1100 | 200 |
| | 10.0 | 1700 | 200 |
| | 12.0 | 2200 | 200 |
| White & Black | 14.0 | 3000 | 150 |
| | 16.0 | 3900 | 100 |

NEW

Ref. 01038 is also available in flame retardant version, meeting B1 fire protection standards (from 3 up to 8 mm, colour black)

8-plaited

16-plaited

LIROS Polyamide-Braided Cords and Lines

01025/01030/01027

Polyamide, high tenacity

- *Stretch characteristics < 15%*
- *high stretch quality and flexible*
- *very UV-resistant*
- *excellent abrasion resistance*
- *individual lengths possible*

Material

Polyamide high tenacity

Construction 01025

8-plaited

Construction 01030

8-plaited

Construction 01027

16-plaited

Colour 01025

228

White

Colour 01027

228

White

Colours 01030

171

Red



010

Blue



059

Yellow



086

Green



188

Black

| | Ø mm | Breaking strength kg | Length of spool m |
|--------------------|---------|-------------------------|----------------------|
| 01025/01030 | 0.5 | 15 | 500 (X-Spool) |
| | 1.0 | 35 | 500 (X-Spool) |
| | 1.5 | 40 | 500 (X-Spool) |
| | 2.0 | 100 | 500 (X-Spool) |
| | 2.5 | 140 | 500 (X-Spool) |
| White & Coloured | 3.0 | 180 | 500 (X-Spool) |
| | 3.5 | 260 | 500 (X-Spool) |
| | 4.0 | 340 | 500 (X-Spool) |
| | 5.0 | 550 | 250 |
| | 6.0 | 850 | 200 |
| | 8.0 | 1500 | 200 |
| | 10.0 | 2400 | 200 |
| | 12.0 | 3200 | 200 |
| White & Black | 14.0 | 3600 | 150 |
| | 16.0 | 4300 | 100 |
| 01027 | 1.5 | 50 | 500 (X-Spool) |
| | 2.0 | 100 | 500 (X-Spool) |
| | 2.5 | 140 | 500 (X-Spool) |
| | 3.0 | 180 | 500 (X-Spool) |
| | 4.0 | 340 | 500 (X-Spool) |
| White | 5.0 | 550 | 250 |
| | 6.0 | 850 | 200 |
| | 8.0 | 1170 | 200 |
| | 10.0 | 1720 | 200 |



Spiral plait

Spiral plait

LIROS Polyamide-Braided Cords and Lines, Spiral Plait 01035/01036

Polyamide, high tenacity

- *Stretch characteristics < 20%*
- *high stretch quality and flexible*
- *round*
- *flexible*
- *very UV-resistant*
- *individual lengths possible*

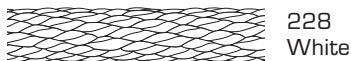
Material

Polyamide high tenacity

Construction

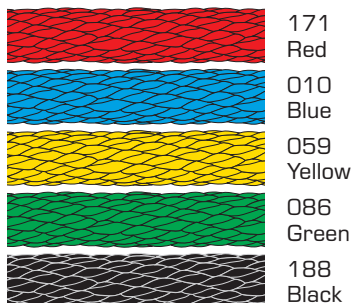
Spiral plait

Colour 01035



228
White

Colours 01036



171
Red
010
Blue
059
Yellow
086
Green
188
Black

| | Ø mm | Breaking strength kg | Length of spool m |
|--------------|---------|-------------------------|----------------------|
| 01035 | 2.0 | 90 | 500 |
| | 2.5 | 120 | 500 |
| | 3.0 | 160 | 500 |
| | 3.5 | 210 | 500 |
| | 4.0 | 290 | 500 |
| | 5.0 | 450 | 250 |
| | 6.0 | 600 | 200 |
| | 8.0 | 1000 | 200 |
| | 10.0 | 1800 | 200 |
| | 12.0 | 2200 | 200 |
| | 14.0 | 2800 | 150 |
| | 16.0 | 3600 | 100 |
| 01036 | 3 | 160 | 500 |
| | 4 | 290 | 500 |
| | 5 | 450 | 250 |



8-plaited

Spiral plait

Lirolen Braided Cords and Lines 01070/E1070/01075

High tenacity Polypropylene multifilament, excellent UV-resistance, floats.

- *Stretch characteristics < 12%*
- *UV-stabilized*
- *floats*
- *individual lengths and format is possible*

Material

Polypropylene multifilament high tenacity

Construction 01070

8-plaited

Construction E1070

16-plaited

Construction 01075

Spiral plait

Colour 01070



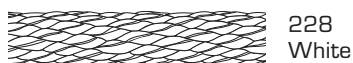
228
White

Colour E1070



228
White

Colour 01075



228
White

| Ø mm | Breaking strength kg 01070/E1070 | Breaking strength kg 01075 | Length of spool m |
|---------|----------------------------------------|----------------------------------|-------------------------|
| 1 | 30 | - | 500 (X-Spool) |
| 2 | 75 | - | 500 (X-Spool) |
| 3 | 140 | 90 | 500 (X-Spool) |
| 4 | 280 | 140 | 500 (X-Spool) |
| 5 | 390 | 200 | 250 |
| 6 | 550 | 310 | 200 |
| 8 | 1000 | 500 | 200 |
| 10 | 1300 | 800 | 200 |
| 12 | 1600 | 1100 | 200 |
| 14 | 2000 | 1500 | 150 |
| 16 | 2600 | 1900 | 100 |

01070 Ø 1–16 mm

E1070 Ø 2–16 mm

01075 Ø 3–16 mm

* The breaking loads referred to in the table are relevant to article





With LIROS fleck from 6 mm

Without LIROS fleck to 5 mm

Polypropylene-multifilament Coloured Braided Cord 01072

High tenacity Polypropylene multifilament, spin-dyed..

- *Stretch characteristics < 12 %*
- *very wide range of use*
- *low-priced*
- *UV-stabilized*
- *from 6 mm Ø with blue/gold guarantee yarn*
- *individual lengths possible*

Colours

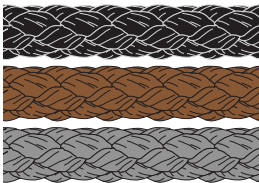


171
Red

010
Blue

059
Yellow

086
Green



188
Black

028
Brown

078
Grey

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 1.5 | 38 | 500 (X-Spool) |
| 2.0 | 70 | 500 (X-Spool) |
| 3.0 | 140 | 500 (X-Spool) |
| 4.0 | 280 | 500 (X-Spool) |
| 5.0 | 390 | 250 |
| 6.0 | 550 | 200 |
| 8.0 | 900 | 200 |
| 10.0 | 1230 | 200 |
| 12.0 | 1700 | 200 |
| 14.0 | 2000 | 150 |
| 16.0 | 3700 | 100 |

Material Polypropylene multifilament
Construction 8-plaited



LIROS Nautic Hollow Plait 01072

Floating all purpose rope out of spin-dyed Polypropylene multifilament, very easy to splice. 16-plaited, UV-stabilized and resistant Polypropylene multifilament.

- *Stretch characteristics < 15 %*
- *floats, very easy to splice*
- *highly durable and UV-stabilized*

Colours

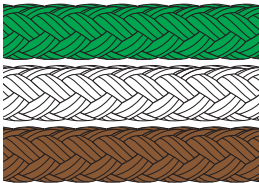


059
Yellow

188
Black

171
Red

010
Blue



086
Green

228
White

028
Brown

| | Ø mm | Breaking strength kg | Length of spool m |
|-------------------|-------|----------------------|-------------------|
| 01072-0900 | 9 | 850 | 200 |
| 01072-1012 | 10-12 | 1300 | 200 |

Material Polypropylene multifilament
Construction 16-plaited

LIROS Starter Cord

10145/10445

The use of special twist and its elaborate plaited construction assure exceptional resistance to abrasion. 100% Polyamide.

- *high stretch characteristics virtually eliminates jolting*
- *durable*
- *abrasion resistant*
- *additional impregnation on request (Ref. 10445)*
- *individual lengths and colour-impregnation possible*

| Ø mm | Length of spool m |
|---------|----------------------|
| 3.0 | 500 |
| 3.5 | 500 |
| 4.0 | 500 |
| 4.5 | 500 |
| 5.0 | 250 |
| 6.0 | 200 |

Colour 10145



228
White

Colour 10445



418
White impregnated

Material Polyamide high tenacity

Construction 16-plaited

LIROS Skittle Rope

10845/10945

Skittle Rope made of Polyamide, high tenacity with core, natural or specially impregnated for better glide and less abrasion.

- *glides very well*
- *highly abrasion resistant*
- *additional impregnation on request (Ref. 10945)*

| Ø mm | Length of spool m |
|---------|----------------------|
| 3.5 | 500 |
| 4.0 | 500 |
| 4.5 | 500 |
| 5.0 | 250 |
| 6.0 | 200 |

Colour 10845



228
White

Colour 10945



418
White impregnated

Material Polyamide high tenacity

Construction 16-plaited

LIROS Venetian Blind Cord 20140/20145 22140/22145

Polyester, cord from Ø 2.5 mm upwards contains core, tight braided.

- *shape stable, round plait*
- *abrasion resistant*
- *UV-resistant*
- *individual lengths and colour-impregnation possible*

Colour 20140/20145



228
White

Colour 22140/22145



188
Black

Material Polyester high tenacity

Construction 16-plaited

| | Ø mm | Length of spool m |
|----------------------|---------|----------------------|
| (20140/22140) | 0.8 | 500 (X-Spool) |
| without core | 1.0 | 500 (X-Spool) |
| | 1.5 | 500 (X-Spool) |
| | 1.7 | 500 (X-Spool) |
| | 2.0 | 500 (X-Spool) |
| (20145/22145) | 2.5 | 500 (X-Spool) |
| with core | 3.0 | 500 (X-Spool) |
| | 3.5 | 500 (X-Spool) |

LIROS Bricklayers Line 01522

Highly durable and hard-wearing builders rope in LIROS quality. UV-resistant Polyester in bright colours for easy visibility and exceptional handling properties.

Colours



123
Neon Yellow



157
Pink

| | Ø mm | Breaking strength kg | Length of spool m |
|-------------------|---------|-------------------------|----------------------|
| 01522-0200 | 2 | 90 | 100/500 |
| 01522-0300 | 3 | 200 | 100/500 |

Material Polyester high tenacity plaited

Packaging practical 100 m or 500 m plastic reels

NEW

LIROS Split Film Polypropylene 01060/01061

Low cost, floating all-purpose rope.
UV-resistant Polypropylene fibre.

Material 01060 Polypropylene-monofilament
Material 01061 Polypropylene-Split-fibre
Construction 8-plaited

Colour 01060



150 Orange

Colour 01061



229 White/Blue

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 400 | 200 |
| 8 | 700 | 200 |
| 10 | 1100 | 200 |
| 12 | 1500 | 200 |

LIROS Polypropylene Rope 00112

Low-priced, floating all-purpose line, available in many different diameters.
UV-resistant Polypropylene Split-fibre.

Material Polypropylene-Split-fibre
Construction 3-strand

| Ø mm | Breaking strength kg | Length of spool m |
|------|----------------------|-------------------|
| 6 | 590 | 200 |
| 8 | 1040 | 200 |
| 10 | 1530 | 200 |
| 12 | 2170 | 200 |
| 14 | 2990 | 150 |
| 16 | 3700 | 100 |

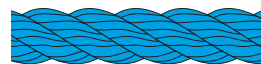
Black up to 36 mm available

Colour 6-14 mm Ø



150 Orange

Colour 6-16 mm Ø



010 Blue

Colour 6-16 mm Ø



228 White

Colour ab 16 mm Ø



188 Black



LIROS Acrylic Ropes

01160/01161

Cable twist, especially designed for hand rails on stairways and for roping off areas. High quality for professional usage.

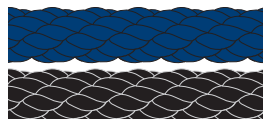
- Specify length(s)
- 28–30 mm Ø

Colours 01160



049
Dark Red
042
Dark Beige
046
Dark Green
044
Dark Brown

Colours 01161



130
Navy-Blue
188
Black

Material 01160 Acrylic yarn

Material 01161 Polyester

Construction 4-strand Cable twist



LIROS Poly-Hemp and Natural Hemp Ropes

1140D/0114D

Cable twist, especially designed for hand rails on stairways and for roping off areas. Grip like hemp, but softer and more weather resistant.

- UV-stabilised
- abrasion resistant
- easy to splice
- Specify length(s)
- 28–30 mm Ø
- 1140D ideal for outside usage

As alternative: 01141-3500
4-strand twisted made of Spun Polypropylene

Colour 1140D



037
Hemp

Material Spun Polypropylene

Construction 4-strand Cable twist

Colour 0114D



037
Hemp

Material Spun natural hemp

Construction 4-strand Cable twist

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 3 | 60 | 500 |
| 4 | 120 | 500 |
| 5 | 190 | 250 |
| 6 | 320 | 200 |
| 8 | 500 | 200 |
| 10 | 800 | 200 |
| 12 | 1100 | 200 |
| 14 | 1500 | 150 |
| 16 | 2000 | 100 |
| 18 | 2400 | 100 |
| 20 | 3000 | 100 |



LIROS Historic Plaited

03010

Appearance like hemp, but softer and stronger, with better weather resistance.

- Spun Polypropylene cording twine
- UV-resistant
- easy to grip

Colour



037
Hemp

Material

Polypropylene

Construction

8-plaited



| Ø mm | Length of spool m |
|---------|----------------------|
| 1.5 | 500 |
| 2.0 | 500 |
| 2.5 | 500 |
| 3.0 | 500 |
| 3.5 | 500 |
| 4.0 | 500 |
| 4.5 | 500 |
| 5.0 | 250 |
| 6.0 | 200 |
| 8.0 | 200 |
| 10.0 | 200 |
| 12.0 | 200 |
| 14.0 | 150 |
| 16.0 | 100 |

Braided Cord and Lines of Natural Hemp

00310

Made of 100% natural hemp in classical appearance.

Colour



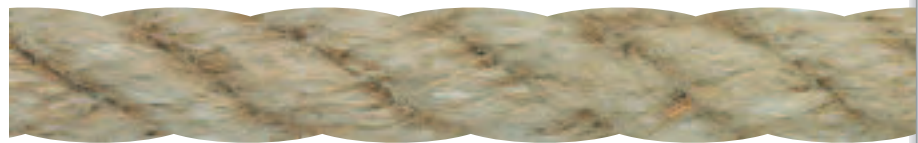
140
Natural

Material

Spun Polypropylene

Construction

8-plaited

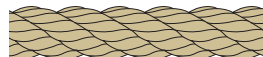


Hemp Ropes

00114

100% natural hemp, DIN 83325

Colour



140
Natural

Material

Natural hemp

Construction 6 mm

3-strand twist

Construction from 8 mm

4-strand twist

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 6 | 260 | 200 |
| 8 | 410 | 200 |
| 10 | 640 | 200 |
| 12 | 980 | 200 |
| 14 | 1250 | 150 |
| 16 | 1660 | 100 |
| 18 | 2050 | 100 |
| 20 | 2530 | 100 |
| 22 | 2950 | 100 |
| 24 | 3620 | 100 |



| Ø mm | Length of spool m |
|---------|----------------------|
| 1.5 | 500 |
| 2 | 500 |
| 3 | 500 |
| 4 | 500 |
| 5 | 250 |
| 6 | 200 |
| 8 | 200 |
| 10 | 200 |
| 12 | 200 |
| 14 | 150 |
| 16 | 100 |

Braided Cord and Lines of Cotton

00510/00512

Made of 100% non-coloured cotton.

8-plaited

140
Natural

16-plaited

140
Natural

Material

Cotton

Construction 00510

8-plaited

Construction 00512

16-plaited

available from Ø 2 to 12 mm



Sisal Ropes

00113

100% sisal, natural, shorn

- *Stretch characteristics:* < 15%

Colour

140
Natural

Material

Sisal

Construction

4-strand

| Ø mm | Breaking strength kg | Length of spool m |
|---------|-------------------------|----------------------|
| 8 | 425 | 200 |
| 10 | 560 | 200 |
| 12 | 840 | 200 |
| 14 | 1100 | 150 |
| 16 | 1490 | 100 |



Sisal-Yarns and Cords

00119

Natural, no oil residues, shorn, out of sisal production and East African fibres, X-spool without cover.

- *Packaging unit:* bags of 25 kg each

| | X-Spool | Length of spool m | approx. m/kg |
|-------------------|---------|----------------------|-----------------|
| 00119-2204 | 6 kg | 220 | 4-plaited 50 |
| 00119-4501 | 3 kg | 450 | 1-plaited 440 |
| 00119-4502 | 3 kg | 450 | 2-plaited 220 |
| 00119-4503 | 3 kg | 450 | 3-plaited 140 |
| 00119-6001 | 3 kg | 600 | 1-plaited 570 |
| 00119-6002 | 3 kg | 600 | 2-plaited 285 |
| 00119-8001 | 3 kg | 800 | 1-plaited 770 |
| 00119-1000 | 3 kg | 1000 | 1-plaited 960 |

In our sisal factory extremely fine yarns are available in a variety of colours. (minimum quantity 1000 kg).



LIROS Riggers Bag

00146-0056

A high spec splicing kit with all the tools and accessories necessary to complete braided and 3 strand splices.

To consist of:

- 1 x LIROS Whipping needle
- 1 x Swedish fid
- 3 x Splicing needles (5.5–7.5–10 mm)
- 1 x LIROS brochure
- 1 x LIROS Splicing CD
- LIROS-Tape
- LIROS Dyneema® whipping twine
- 1 x pen
- 1 x LIROS lighter
- 1 x LIROS Wet Notes Block



LIROS Protect Set

00099-0277

A black tubular webbing designed to protect mooring warps up to 30 mm diameter. Supplied complete with termination clips.



LIROS Wet Notes 00146-0103

A high quality waterproof plastic note book for use in all conditions.
Measurement 11 x 15 cm.



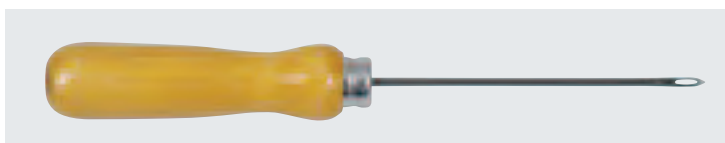
LIROS Swedish Fid

11090/11091

Reliable splicing tool for 3-strand and octoplailed ropes.

11090 – up to 12 mm

11091 – from 14 mm



LIROS Whipping Needle

00143-4000

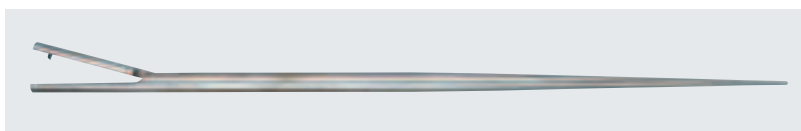
The essential needle for splicing and whipping, suitable for cords up to 4mm. Usable without sailmaker gloves. Saves time and energy while whipping ropes.



LIROS Stitching-/Splicing Needle

00143-4001

Ideal for splicing hollow braided Kite and paragliding lines from 0.6 mm up to 1.1 mm.
6 pieces per package



LIROS Splicer

00143

A professional range of splicing fids – ideal for handle for all core-cover splices.

| | Size | Splice mm | Längd cm |
|-------------------|----------|--------------|-------------|
| 00143-1000 | 1 small | 6–8 | 15 |
| 00143-2000 | 2 medium | 10–12 | 30 |
| 00143-3000 | 3 large | 12–18 | 34 |



LIROS Splicing Tool Assortment

00143-5000

4 high-quality splicing tools made of high-grade steel, suitable for splicing lines with diameters between 3 and 14mm. Appropriate for both plaited and twisted ropes. Comes in practical plastic tube.



LIROS XTR-Finish

00146-0057

Provides additional cover or internal wear protection on all kinds of ropes (Polyester, Dyneema®, Vectran®, Zylon®). LIROS XTR-Finish comes pre-mixed with colour pigment in 250ml bottles.

- Ready for use
- Long-lasting protection
- UV-protection (especially with black PU-colour)
- Easy-to-clean, water-based solution
- Reduces friction
- Each package: 1x250ml bottle, 1 sponge.



LIROS Splicing Bench 00146-0106

Professional splicing bench designed by LIROS to provide perfect working conditions for professional splicing and rigging. Features an Antal-W48ST aluminium winch for pre-loading ropes prior to installation. Incorporates a strong anchor point for making braided eye splices.

- Length 2.00 m x Width 0.80 m x Height 1.20 m



LIROS Rope Measuring Gauge 00138

High quality, robust construction, chrome, can be calibrated for plaited cords, plaited lines and ropes with diameters between 3 mm and 20 mm.



LIROS Rope Rack

00135

Flexible rope product rack, which can be fixed to the wall for an effective presentation of LIROS ropes.
Fix two back-to-back for a double rack that can be assembled and positioned anywhere in the shop.

| Ref. | | Required pieces for a wall rack | Required pieces for a free standing rack |
|------------|-------------------------------|------------------------------------------|---------------------------------------------------|
| 00135-3001 | Side element 175 cm height | 2 | 4 |
| 00135-3002 | Elongation by 80 cm | (2) | 4 |
| 00135-3003 | Top for Headline 25 cm | 2 | 4 |
| 00135-3004 | Bars 92 cm width | 6 (8) | 12 |
| 00135-3005 | Crossing for reinforcement | — | 1 |
| 00135-3006 | Advertising sign | 1 | 2 |



LIROS Counter-top Display 00146-0016

High-quality silver powder-coated metal display for optimal presentation at point of sale.
Can be fitted with 4 sales packages (e.g., Magic Speed, Trimline or whipping twine).
See page 36-37



LIROS Heat Cutter 00146

For burning and sealing off synthetic cord and lines, width of cutting edge 21 cm. Professional Cutting of synthetic ropes in all diameters. 60 W.

00146-0000 Heat Cutter
00146-0001 Replacement Blade



LIROS Heat Cutter Pro 11381

- High temperature cutting blade
- Rapid heat readiness
- Extended cutting blade
- Power - 120 W

11381 Heat Cutter Pro
00146-0018 Replacement Blade Pro



LIROS Ceramic Pro 11700

A top-quality riggers knife designed to clean cut the new high tech materials – Dyneema®, Vectran®, Aramide or PBO.

- Blade length: 11.5cm
- Swiss-quality precision
- Razor sharp
- Stainless
- Non-magnetic
- Very lightweight

CAUTION: Do not drop!

NEW



LIROS Scissors Pro 10439

A top-quality scissors designed to clean cut the new high-tech materials – Dyneema®, Vectran®, Aramide or PBO. Micro-serrated.

- total length 16 cm
- cutting length 3 cm

NEW





LIROS Price Board 00146-0044

Attractive price board for displaying your individual LIROS rope assortment at the point of sale. Comes with instructions and removable pens, as well as coloured product stickers.



LIROS Coffee Cup 00146-0029



LIROS Flags

| Ref. | Measurements |
|------------|--------------|
| 00146-0099 | 80 x 80 cm |
| 00146-0032 | 160 x 160 cm |
| 00146-0028 | 150 x 300 cm |
| 00146-0204 | 150 x 400 cm |



LIROS Carpet 00146-0040

High quality LIROS carpet. Easy to clean.

| Ref. | Measurements |
|------------|--------------|
| 00146-0075 | 60 x 40 cm |
| 00146-0040 | 85 x 120 cm |



LIROS Stickers

| Ref. | Measurements |
|--------------|--------------|
| ① 00146-0047 | ø 50 cm |
| ② 00146-0052 | ø 25 cm |
| ③ 00146-0110 | 30 x 7 cm |
| ④ 00146-0046 | 80 x 12 cm |

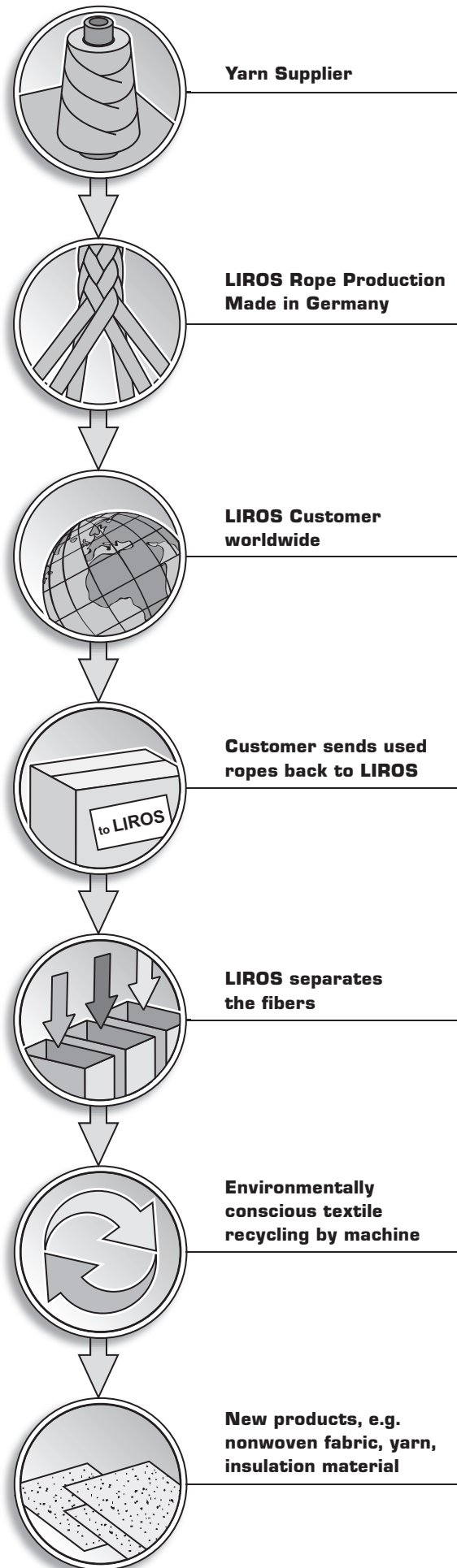


LIROS Recycling System

NEW



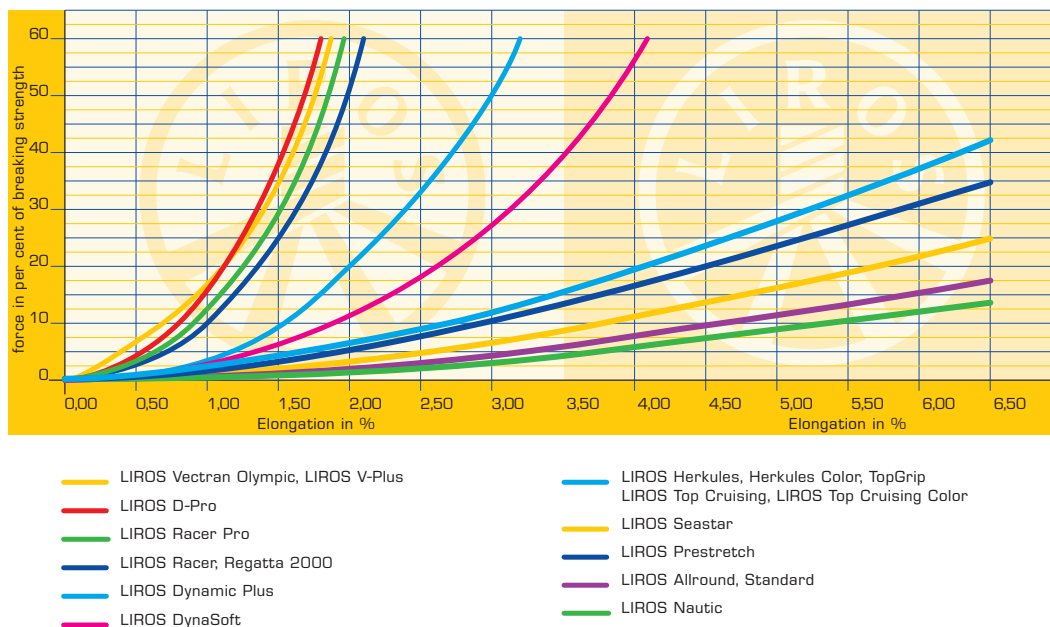
Recycling



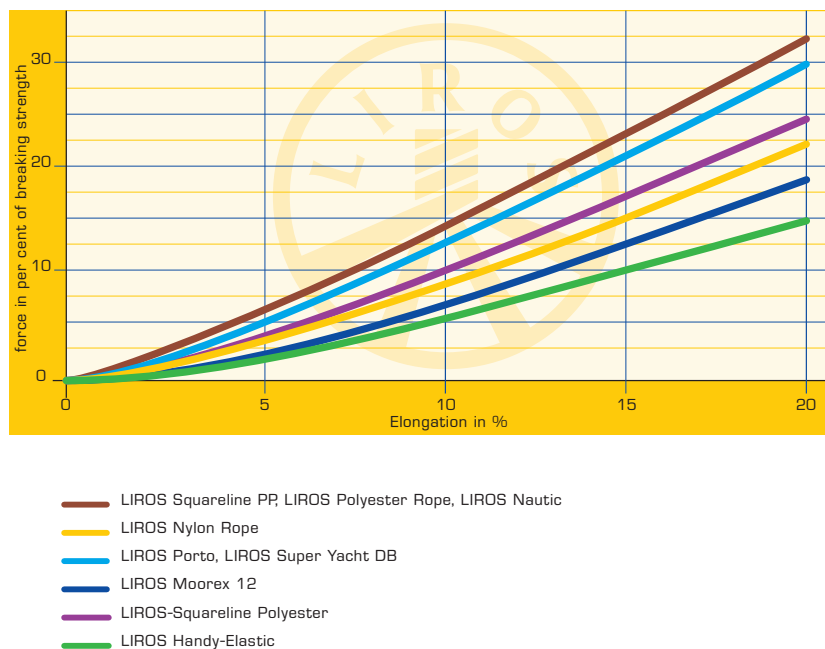


Performance

Cruising

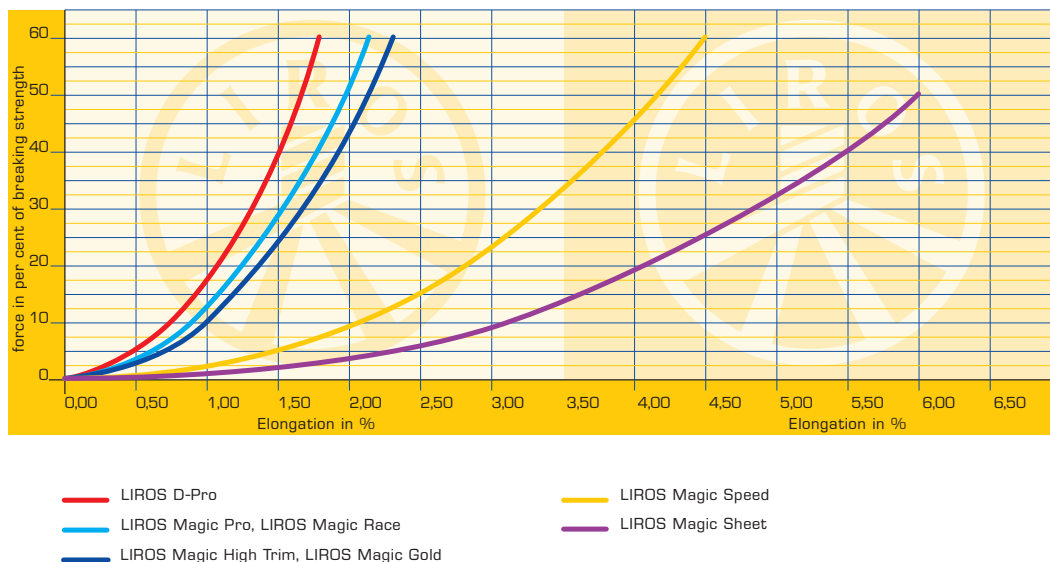


Mooring Ropes



Magic Dinghy Performance

Magic








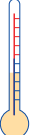
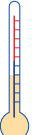
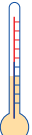


Comparing summary of synthetic fibres



| | Material | | | | | | | |
|-------------------------------------|----------------------------|-----------------|-------------------------------------------|------------------|-----------------------------|---------------------------------|----------|---------|
| | Polyamid (PA) 6 und 6.6 | Polyester (PES) | Polypropylen (PP) multifil hochfest | Polyethylen (PE) | Polyethylen hochfest (HMPE) | Aramid | LCP | PBO |
| Brand-name | Perlon Nylon | | | | Dyneema® Spectra® | Twaron® Kevlar® Technora® | Vectran® | Zylon® |
| Tenacity of yarn | | | | | | | | |
| CN/dtex | 7 – 8 | 7 – 8.4 | app. 7 | app. 4.5 | 28 – 38 | 20 – 25 | 22 – 25 | app. 37 |
| Specific gravity | | | | | | | | |
| kg/dm³ | 1.14 | 1.38 | 0.91 | 0.96 | 0.96 | 1.44 | 1.41 | 1.52 |
| Tenacity-reduction through humidity | | | | | | | | |
| % | 5 – 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water absorption | | | | | | | | |
| % | 1 – 7 | 0.5 – 2 | 0 | 0 | 0 | 2 – 5 | 1 | 0.6 |
| Knot tenacity | | | | | | | | |
| % | 60 – 65 | 55 – 60 | 55 – 65 | 50 – 60 | 35 – 50 | 30 – 40 | 30 – 35 | 35 – 55 |
| Light resistance | | | | | | | | |
| % | good | very good | only good when equipped | good | good | bad | bad | bad |
| Breaking stretching | | | | | | | | |
| % | 16 – 27 | 10 – 16 | 12 – 20 | 15 – 30 | 3.8 | 2 – 4 | 3.3 | 2.5 |
| Resistance to abrasion | very good | very good | fair | fair | good | adequate | good | bad |

Reaction of synthetic ropes under different conditions

| | Material | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|-----------------------------|---------------------------------|-------------------------|---------------------------|
| | Polyamid (PA) 6 / 6.6 | Polyester (PES) | Polypropylen (PP) | Polyethylen (PE), (HMPE) | Aramid | LCP | PBO |
| Brand | Perlon Nylon | | | Dyneema® Spectra® | Twaron® Technora® Kevlar® | Vectran® | Zylon® |
|  Washing temp. °C | 50 – 60 | 50 – 60 | 30 | 30 | 80 – 90 | 60 | 50 |
|  Acids (50% concentr.), 25°C/100°C Rest % | 17 / 5 – 10 | 80 / 0 | no reaction | no reaction | partially good resistance | very good resistance | good resistance |
|  Gasoline | no reaction | no reaction | no reaction | no reaction | no reaction | no reaction | no reaction |
|  Diesel and Oil | no reaction | no reaction | no reaction | no reaction | no reaction | no reaction | no reaction |
|  Solvents | formic acid & acetic acid at high temp. | phenols, cresols zinc chloride | minimal reaction | minimal reaction | minimal reaction | minimal reaction | minimal reaction |
|  Alkali (Leaches) | resistant against weak solutions | resistant against solutions at 20°C; dissolves in solutions at 100 °C | resistant against weak solutions | resistant | partially good resistant | very good resistant | very good resistant |
|  Insulating Properties | very good; poor conductor | very good | excellent | excellent | excellent | excellent | excellent |
|  Highest temp. Short load approx. °C | 130 | 170 | 80 | 70 | 400 | 200 | 550 |
|  Range Exposure approx. °C | 170 | 225 | 140 | 120 | – | – | – |
|  Melting point approx. °C | 215 | 260 | 170 | 150 | chars at approx. 500°C | 330 | chars at approx. 650°C |

CRUISING

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1. Main halyard

| | |
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| LIROS Regatta 2000 | 7 |
| LIROS Dynamic plus | 8 |
| LIROS Herkules | 9 |
| LIROS Taper Pro | 21 |

2. Genoa halyard

| | |
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| LIROS Regatta 2000 | 7 |
| LIROS Dynamic plus | 8 |
| LIROS Taper Pro | 21 |

3. Spinnaker halyard

| | |
|--------------------|----|
| LIROS Dynamic plus | 8 |
| LIROS Herkules | 9 |
| LIROS Magic Pro | 16 |

4. Topping lift

| | |
|--------------------|----|
| LIROS Herkules | 9 |
| LIROS Top Cruising | 11 |
| LIROS Prestretch | 12 |

5. Spi topping lift (without picture)

| | |
|--------------------|----|
| LIROS Herkules | 9 |
| LIROS Top Cruising | 11 |

6. Spinnaker downhauler (without picture)

| | |
|--------------------|----|
| LIROS Dynamic Plus | 8 |
| LIROS Herkules | 9 |
| LIROS Top Cruising | 11 |

7. Genoa sheet

| | |
|---------------------|----|
| LIROS Herkules | 9 |
| LIROS TopGrip | 10 |
| LIROS Top Cruising | 11 |
| LIROS Seastar Color | 13 |

8. Mainsheet

| | |
|--------------------|----|
| LIROS TopGrip | 10 |
| LIROS Top Cruising | 11 |
| LIROS Seastar | 13 |
| LIROS Magic Sheet | 18 |

9. Boom vang

| | |
|--------------------|----|
| LIROS Herkules | 9 |
| LIROS Top Cruising | 11 |
| LIROS Magic Sheet | 18 |

10. Spinnaker sheet (without picture)

| | |
|--------------------------|----|
| LIROS TopGrip | 10 |
| LIROS Top Cruising Color | 11 |
| LIROS Allround | 12 |
| LIROS Seastar Color | 13 |
| LIROS Magic Sheet | 18 |

11. Backstay-/ Running backstay

| | |
|--------------------|----|
| LIROS Dynamic plus | 8 |
| LIROS Herkules | 9 |
| LIROS Magic Sheet | 18 |

12. Cunningham

| | |
|--------------------------|----|
| LIROS Top Cruising Color | 11 |
| LIROS Top Cruising | 11 |
| LIROS Prestretch | 12 |

13. Outhaul

| | |
|--------------------|----|
| LIROS Herkules | 9 |
| LIROS Top Cruising | 11 |

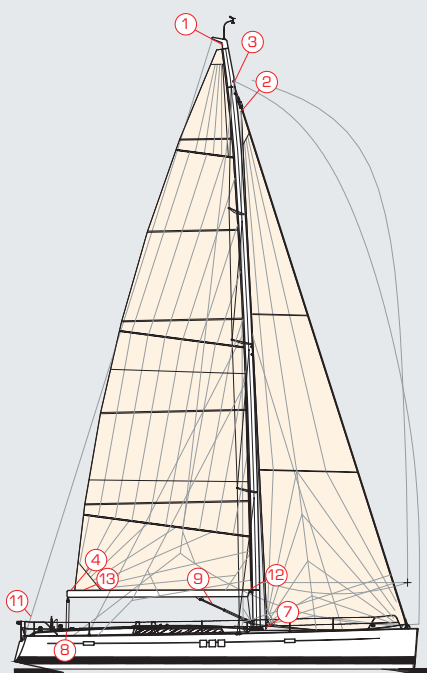
14. Mooring line (without picture)

| | |
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| LIROS Super Yacht DB | 22 |
| LIROS Handy-Elastic | 23 |
| LIROS Porto | 23 |
| LIROS Squareline PES | 24 |
| LIROS Moorex 12 | 25 |
| LIROS Polyester | 25 |
| LIROS Nordic | 26 |

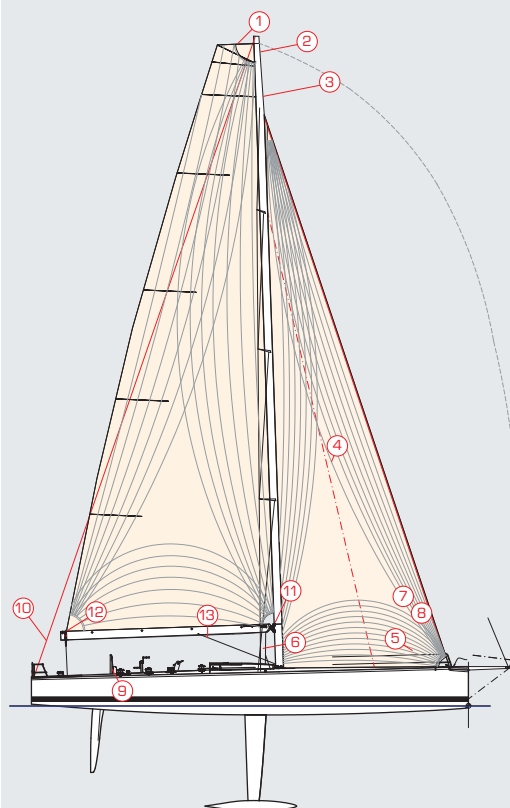
15. Anchoring line (without picture)

| | |
|----------------------|----|
| LIROS Squareline PES | 24 |
| LIROS Handy Anchor | 30 |

Yacht Rope Recommendations



Cruising



Regatta

Our recommendations for LIROS articles reflect many years of experience in the field of cruising and racing.

Source: Hanse Yachts / Judel Vrolijk

REGATTA

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1. Main halyard

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| LIROS Racer XTR | 6 |
| LIROS Racer Pro | 6 |
| LIROS Racer | 7 |
| LIROS Regatta 2000 | 7 |

2. Genoa halyard

| | |
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| LIROS Racer XTR | 6 |
| LIROS Racer Pro | 6 |
| LIROS Racer | 7 |
| LIROS Regatta 2000 | 7 |
| LIROS Vectran Olympic | 9 |

3. Spinnaker halyard

| | |
|--------------------|---|
| LIROS Racer XTR | 6 |
| LIROS Racer | 7 |
| LIROS Dynamic plus | 8 |

4. Spi topping lift

| | |
|--------------------|---|
| LIROS Racer XTR | 6 |
| LIROS Racer | 7 |
| LIROS Dynamic plus | 8 |
| LIROS Regatta 2000 | 7 |

5. Spi down hauler

| | |
|-----------------|---|
| LIROS Racer XTR | 6 |
| LIROS Racer | 7 |

6. Genoa sheet

| | |
|--------------------|---|
| LIROS Racer XTR | 6 |
| LIROS Racer | 7 |
| LIROS Regatta 2000 | 7 |

7. Spi sheets

| | |
|--------------------|----|
| LIROS Racer | 7 |
| LIROS Dynamic plus | 8 |
| LIROS Magic Pro | 16 |
| LIROS Dynasoft | 16 |

8. Guys

| | |
|-----------------------|---|
| LIROS Racer Pro | 6 |
| LIROS Vectran Olympic | 9 |

9. Mainsheet

| | |
|--------------------|----|
| LIROS Racer | 7 |
| LIROS Dynamic plus | 8 |
| LIROS Magic Pro | 16 |
| LIROS Dynasoft | 16 |

10. Backstays/Runner

| | |
|-----------------------|---|
| LIROS Regatta 2000 | 7 |
| LIROS D-Pro | 8 |
| LIROS Vectran Olympic | 9 |

11. Cunningham

| | |
|--------------------|----|
| LIROS Racer | 7 |
| LIROS Regatta 2000 | 7 |
| LIROS D-Pro | 8 |
| LIROS High Trimm | 41 |

12. Outhaul

| | |
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| LIROS Regatta 2000 | 7 |
| LIROS D-Pro | 8 |
| LIROS Vectran Olympic | 9 |
| LIROS High Trimm | 41 |

13. Boom downhaul

| | |
|--------------------|----|
| LIROS Racer | 7 |
| LIROS Dynamic plus | 8 |
| LIROS D-Pro | 8 |
| LIROS Magic Pro | 16 |

14. Topping lift (without picture)

| | |
|--------------------|---|
| LIROS Dynamic plus | 8 |
|--------------------|---|

15. Mooring line (without picture)

| | |
|----------------------|----|
| LIROS Handy Elastic | 23 |
| LIROS Porto | 23 |
| LIROS Squareline-PES | 24 |
| LIROS Nordic | 26 |

16. Anchoring line (without picture)

| | |
|----------------------|----|
| LIROS Squareline-PES | 24 |
|----------------------|----|





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