



Unlimited Rope Solutions

Rope Catalogue
2022 / 2023





LIROS Unlimited Rope Solutions

LIROS is now recognised as a world leader in the manufacture of high tech yachting ropes, kitesurf cords, paragliding lines and a wide range of industrial cordage. Latest production facilities enable LIROS to develop products for every customer requirement.

Special coatings developed by LIROS minimize the abrasion of high-quality fibre ropes and Protect from UV-radiation. Thermal processes optimize the rope in terms of elongation and tensile strength. Our quality management systems ensure the highest level of quality for all LIROS customers.

For this reason LIROS produces innovative, sustainable and customer-optimised rope products – for nearly 170 years.

Sven Rosenberger

Karl Friedrich Rosenberger

Our company is certified and approved according to DIN EN ISO 9001
and DIN EN ISO 14001.
Production 100% Made in Germany.



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LIROS Green Wave®

Sustainable action and fair, environmental conscious management is one of the biggest challenges of our time.

At LIROS it is our corporate philosophy – the LIROS Green Wave. It is at the same time a seal of approval, concept and binding mission statement for corporate action. The harmonisation of ecology and economy that takes responsibility in its entirety both for the environment and the population.

Production and consumption of energy has major ecological and social impacts. As a company we use energy as sparingly as possible whilst also using alternative sustainable and environmentally friendly techniques.

LIROS aims to achieve climate neutrality in all areas of its business.

LIROS is certified according to **DIN EN ISO 14001:2015**. This demonstrates an effective environmental protection management system in all relevant divisions.

LIROS produces as an outdoor supplier for low environmental impact sports, for example, sailing, paragliding and kiting.

As well as a supplier of extremely lightweight high strength componentry for the industry, LIROS has taken an active part in helping to reduce its CO₂ emissions.



LIROS consistently pursues the goal to ensure fair production conditions and a sustainable management of pollutants and chemicals in the production chain.

In the area of high-tenacity fibres as an example, a special ecological alternative is used, 'bio-based' Dyneema from DSM.

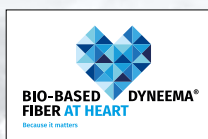


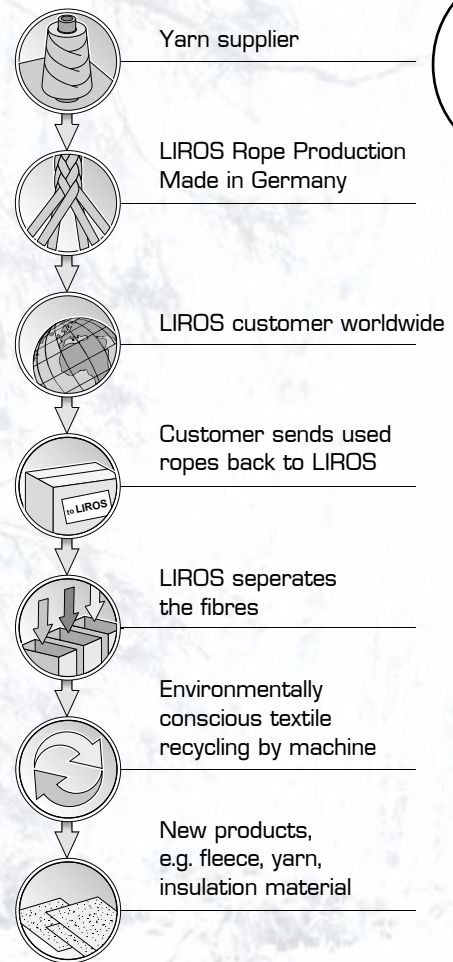
Photo: Paragliding World Cup

LIROS Recycling

Recycling of materials saves fossil resources and reduces CO₂ emissions in production of materials.

That's why we offer the **LIROS Recycling-Service** for all products to our customers. We thereby guarantee the environmentally friendly reprocessing of LIROS ropes and are able to ensure orderly recycling.

The **LIROS Rope Recycling Box** provides the opportunity for all LIROS Green Wave specialist dealers, to dispose old LIROS ropes and enter them into the recycling loop.



LIROS GREEN WAVE

LIROS Photovoltaics

The entire company location in Berg in Upper Franconia with its state-of-the-art machine park is heated by waste heat of a biogas reactor in the neighborhood. An in-house photovoltaic system guarantees a completely CO₂-free power supply of the rope production with self-generated solar energy.

On sunny days the whole rope production is running with 100% photovoltaic energy from our roof top.





Latest technology Essential for producing premium products



Laboratory Technical development of unique rope solutions



Quality control guarantees continuous quality



Logistics EDP-based warehousing for fast order processing

LIROS HSS

||||| | Heat Stretch System

LIROS HSS pre-stretch system uses exact heat treatment to guarantee the highest accuracy in any application.

LIROS LCS

||||||| LIROS Coating System

LIROS LCS is the best Protection against wear-and-tear and UV effects for technical ropes. LIROS LCS increases UV- and wear-resistance by up to 50%.

LIROS DRS

●●●●●● Dry Rope System

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

LIROS
GREEN WAVE

*100% recyclable products.
Natural fibres and single-origin
synthetic fibres.*

LIROS line optimization systems

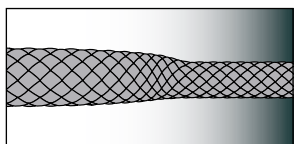
Unlimited Rope Solutions!

Quality Made in Germany

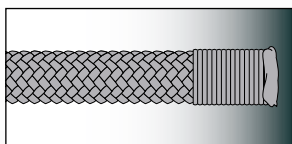
Our LIROS customer service team has solutions for even the most demanding customers/retail, wholesale, or direct-to-industry. We'll provide all the dimensional sizing, working and breaking load information you need to choose the right LIROS product for the job.



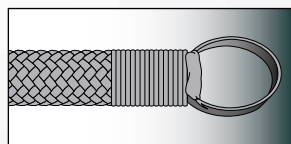
Individual terminations



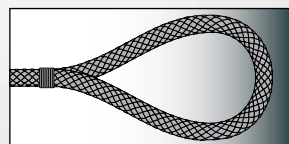
Tapered



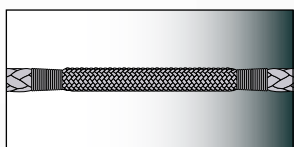
Whipping



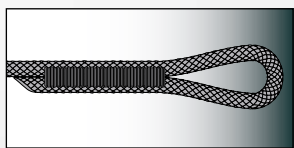
Pilot eye



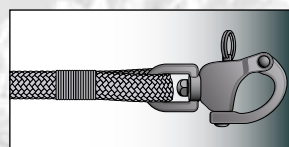
Eye splice



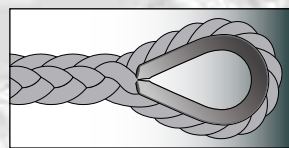
Protective cover



Sewn eye splice



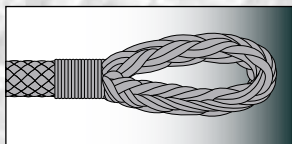
Shackle



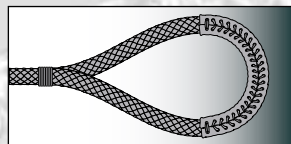
Thimble



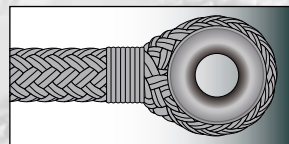
Continuous splice



Stripped eye splice



Leather



Friction Ring

In addition to common splicing and whipping, our experienced ropemakers specialise in fashioning and finishing of high-tech sheets, mooring lines and halyards. We can create the perfect individual rope for your specifications.

LIROS CUSTOMER TEAM SERVICE

Available monday to thursday 7:30am to 5:00pm and friday 7:30am to 3:00pm
+49 (0) 92 93 / 8002-0 or info@liros.com

For registered dealers the B2B dealer portal on our website www.liros.com is available 24/7.
Check warehouse availability and have instant access to the documents archive.

**LIROS Control-XTR****02224**

LIROS Control-XTR is a constantly developed line optimised for grip, combined with high abrasion and temperature resistance. For hard use.

- *grip factor 10 (page 11)*
- *maximum grip under extreme winch and stopper conditions*
- *excellent abrasion resistance*
- *superior cover-core power transference*
- *low stretch*

Technora®

The power of Aramid

**LIROS HSS**

with 100% Heat Stretched System

LIROS LCS

with 100% LIROS Coating System

Cover

Technora® /
high-ten. Polyester

Construction

8 mm 24-plaited
10 mm and up 32-plaited

Core

Dyneema® SK99
12-plaited pre-stretched
with LIROS HSS and
LIROS LCS

Ø mm	Weight g/m	Weight cover g/m	Weight core g/m	Stretch %	Breaking strength kg	Length m
8	44	20	24	< 1,0	6250	200
10	60	27	33	< 1,0	8000	200
12	95	48	47	< 1,0	11200	200
14	131	60	71	< 1,0	14100	150
16	167	72	95	< 1,0	17500	100
18	211	109	102	< 1,0	20400	100
20	234	111	123	< 1,0	23500	100
22	270	135	135	< 1,0	27600	100
24	320	160	160	< 1,0	31500	100

Colours

019 Blue-Black



090 Green-Black



178 Red-Black



239 White-Black

LIROS Runner Vectran®-XTR**04008**

LIROS Runner Vectran®-XTR is the rope with ultimate cover for minimal abrasion and high temperature conditions.

- *grip factor 8 (page 11)*
- *XTreme abrasion resistance at high temperatures up to 200°C*
- *melt resistant cover*
- *superior cover-core power transference*
- *lowest stretch, top reliability*
- *extreme grip applications*

Cover

100% Vectran®

Construction

32-plaited

Core

Dyneema® SK99
12-plaited
pre-stretched with LIROS
HSS and LIROS LCS

Colour

705 Beige NF

Ø mm	Weight g/m	Weight cover g/m	Weight core g/m	Stretch %	Breaking strength kg	Length m
6	31	16	15	< 1,0	2800	200
8	53	29	24	< 1,0	6250	200
10	62	29	33	< 1,0	8000	200
12	89	42	47	< 1,0	11200	200
14	144	71	73	< 1,0	14100	150
16	199	102	97	< 1,0	17500	100

Vectran™**LIROS HSS**

with 100% Heat Stretched System

LIROS LCS

with 100% LIROS Coating System



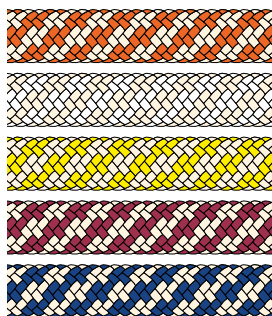
LIROS Racer-XTR

02008

LIROS Racer-XTR offers an exceptional combination of heat-resistant hybrid fibres and high-tenacity Polyester. The extremely low-stretch, colour-treated Dyneema® SK78 core guarantees the best in breaking load and is perfect for cover stripping.

- working stretch < 1 %
- lightweight
- perfect for extreme performance with stripped cover
- excellent abrasion resistance, even at high temperatures
- hybrid fibre prevents cover melting
- ideal interconnected cover-core
- multipurpose sheet and halyard rope
- very low stretch
- LIROS Heat Stretch System

Colours



419
Beige-Orange
420
Beige-White
421
Beige-Yellow
422
Beige-Burgundy
263
Beige-Steelblue

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	4700	53	200
10	6900	65	200
12	9900	93	200
14	13000	121	150
16	15200	156	100
18	18500	180	100
20	21700	222	100
22	24600	270	100
24	28000	320	100

Cover 50% Vectran® / 50% Polyester
32-plaited

Construction 8 mm 24-plaited
10mm and up 32-plaited

Core Dyneema® SK78 with
XTR-Grip-Coating Silver



Vectran™

LIROS HSS
with H.S.S. Heat Stretch System
LIROS LCS
LIROS Coating System



LIROS D-Pro-XTR

01514

D-Pro-XTR is a 12-plaited braided Dyneema® line with highly durable XTR Grip Coating. Well-suited as a replacement for steel ropes and hard shackles. D-Pro-XTR is the ultimate line for applications that require the least stretch.

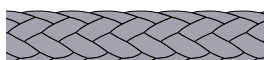
- XTreme high breaking load
- grip factor 3 (page 11)
- extremely low stretch
- very light weight
- easy to splice
- no water absorption
- easy to cover with Protect-XTR (see page 10)

Ø mm	Weight g/m	Stretch %	Breaking strength kg
3	5	< 1,0	1150
4	7	< 1,0	1500
5	13	< 1,0	3200
6	23	< 1,0	5600
8	35	< 1,0	7000
10	60	< 1,0	11000
12	72	< 1,0	15000
14	95	< 1,0	18000
16	131	< 1,0	22400
18	166	< 1,0	28000

Material Dyneema® SK99

Construction 12-plaited

Colour



205
Silver



LIROS HSS
with H.S.S. Heat Stretch System
LIROS LCS
LIROS Coating System

XTREME

**LIROS Slide Protect XTR****10148**

LIROS Slide Protect-XTR provides a supplemental cover and protects against abrasion in turning blocks and fairleads. Slide Protect-XTR is not suited for protection in stoppers or on winches, the low cover grip factor delivers lowest friction.

- *grip factor 3 (page 11)*
- *very easy to splice*
- *best abrasion resistance and cut resistance*

Material

Dyneema® SK78 with XTR-Coating

Colour674
Deep Black

LIROS HSS
HSS 1000 HSS Wear-Schutz System

LIROS LCS
LIROS LCS Coating System

Reference	Measurements mm	Cover mm	for rope Ø mm	Construction	Breaking strength kg	Length of spool m
10148-0506	5 x 1,6	0,8	3–6	24-plaited	800	25
10148-0810	9 x 1,7	0,9	5–10	48-plaited	1600	25
10148-1214	12 x 2,7	1,4	8–12	48-plaited	2500	25
10148-1624	19 x 3,7	1,9	14–22	48-plaited	5500	25

LIROS Grip Protect XTR**04500**

LIROS Grip Protect-XTR covers lines, provides optimal abrasion protection and protects the rope on sharp edges. The high-grip surface of this cover delivers the best in power transference inside a halyard stopper.

- *grip factor 10 (page 11)*
- *very easy to splice*
- *high cut resistance*
- *very high heat resistance up to 400°C*

Material

Technora® dope dyed Black

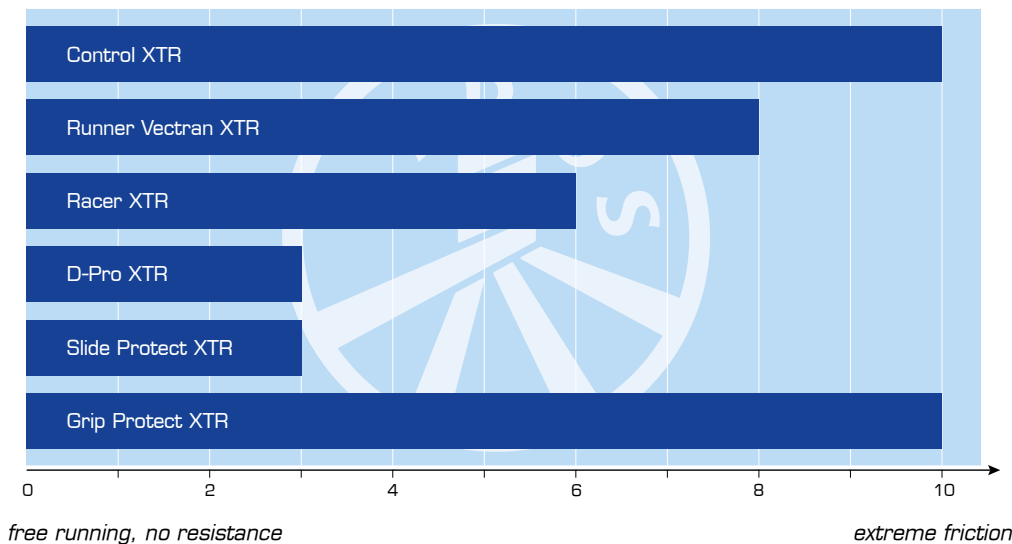
Colour188
Black

Technora®
The power of Aramid

Reference	Measurements mm	Cover mm	for rope Ø mm	Construction	Breaking strength kg	Length of spool m
04500-0506	5,5 x 1,2	0,6	3–6	24-plaited	600	25
04500-0810	10 x 1,7	0,9	5–10	48-plaited	900	25
04500-1214	15 x 2,7	1,4	8–12	48-plaited	1800	25
04500-1624	23 x 3,2	1,6	14–22	48-plaited	3200	25



LIROS XTReMe technology



The LIROS XTR range delivers high quality water-sports lines with optimised braiding constructions and best core-cover interaction for optimised grip, high abrasion resistance, minimal stretch as well as extreme breaking load.

LIROS XTR ropes deliver best results even under toughest conditions.



LIROS Racer-Hybrid

02026

LIROS Racer-Hybrid offers an exceptional combination of heat- and cut-resistant hybrid fibres and high-tenacity Polyester. The cover can be stripped with ease for weight reduction. LIROS Racer-Hybrid has a perfectly balanced cover-core ratio for maximum reliability and best breaking strength.

- working stretch < 1,5 %
- excellent abrasion resistance, even at high temperatures
- perfect for extreme performance with stripped cover
- lightweight
- ideal interconnected cover-core
- multipurpose sheet and halyard rope
- LIROS Heat Stretch System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	2900	25	200
8	4200	48	200
10	5500	65	200
12	8000	93	200
14	10500	121	150



Vectran™

LIROS HSS
with HSS Heat Stretch System
LIROS LCS
LIROS Coating System

Cover 50% Vectran® / 50% Polyester

Core Dyneema® XTR-Grip-Coating Silver

Construction 6 mm 16-plaited
8 mm 24-plaited
10 mm and up 32-plaited

Colours



419
Beige-Orange
263
Beige-Steelblue



422
Beige-Burgundy
262
Beige-Silver



549
Beige-Black

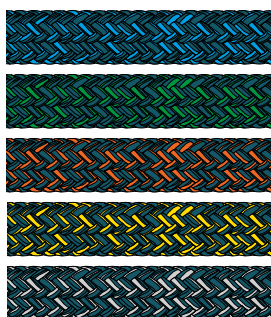
LIROS Racer Vision

02027

New High-Tech rope in a modern style. Simple stripping and easy to splice. Excellent retention forces on winches and rope stoppers. Perfect design with special abrasion resistant LIROS steelblue Polyester. Special XTR-Grip-Coating.

- working stretch < 1,5%
- maximum breakload and low weight
- ideal for halyards, sheets and winch uses
- easy to splice
- LIROS Heat-Stretch-System

Colours



212
Steelblue-Blue
353
Steelblue-Green
704
Steelblue-Orange
707
Steelblue-Neon Yellow
774
Steelblue-Silver

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	4200	53	200
10	5500	75	200
12	8000	96	200
14	10500	127	150

Cover	Polyester high twisted	
Construction	8mm 10mm and up	24-plaited 32-plaited
Core	Dyneema® with XTR-Grip-Coating Silver	



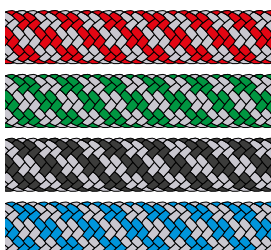
LIROS V-Force

04000

LIROS V-Force with high strength Vectran® fibre. Super low stretch, comparable to wire, extremely durable and abrasion resistant. Excellent holding strength in stoppers and cleats with specialised 32-plait cover, ideal for halyards and backstays.

- working stretch < 1%
- very low initial stretch
- ideal interconnected cover-core
- best stopper durability
- no creep

Colours



423
Silver-Red
424
Silver-Green
445
Silver-Black
593
Silver-Blue

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	500	7	250
4	750	13	250
5	950	17	250
6	1400	24	200
8	2800	56	200
10	3700	80	200
12	5300	105	200

Cover	Polyester high-twisted	
Construction	3–5 mm 6–8 mm 10mm and up	16-plaited 24-plaited 32-plaited
Core	Vectran®, 8 mm and up with additional cover plait	





LIROS Regatta 2000

02000

Very low-stretch line for halyards, spinnaker and genoa sheets. An extremely light and durable high-performance rope with abrasion resistant braided cover and inner cover. Specialised core of coated Dyneema® SK78.

- working stretch < 1,5%
- extreme break resistant, light and durable
- 30% more abrasion resistant than conventional Polyester
- LIROS Heat-Stretch-System



Cover	Special Polyester high-twisted	
Construction	2–3mm	16-plaited
	4mm and up	1:1 plaited
Core	Coated Dyneema® SK78, 8mm and up with additional cover plait	

Colours

	354 Steel-blue-Red		353 Steel-blue-Green		228 White
	212 Steel-blue-Blue		213 Steel-blue-White		525 Black NF
	352 Steel-blue-Yellow		704 Steel-blue-Orange		



LIROS Racer

02001

Proven, durable Dyneema® rope with high breaking load and low stretch featuring a specially-engineered 32-plaited cover and coated Dyneema® SK78 fibre core. For halyards and sheets. Very suitable for winches.

- working stretch < 1,5%
- high breaking load, easy handling and non-kinking
- for halyards and sheets
- very good winch suitability
- LIROS Heat-Stretch-System



Colours

	010 Blue		171 Red
	086 Green		525 Black NF
	130 Marine		529 Silver NF
	150 Orange		542 White NF

Cover

Polyester high twisted

Construction

6–8mm	24-plaited
10mm and up	32-plaited

Core

Coated Dyneema® SK78
with additional cover plait

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	270	3	250
2,5	390	5	250
3	550	7	250
4	800	11	250
5	1100	15	250
6	2500	25	200
8	3800	42	200
10	5000	61	200
12	7200	88	200
14	9500	132	150
16	12600	150	100
18	15300	180	100
20	18500	236	100
22	20000	282	100
24	23000	321	100

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	2500	27	200
8	3800	51	200
10	5000	71	200
12	7200	85	200
14	9500	115	150
16	12600	144	100
18	15300	179	100

PERFORMANCE



LIROS Dynamic Color / Plus 02028 / 02004

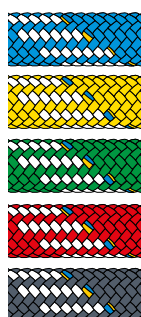
Easy-handling, abrasion resistant line with low stretch, premium Polyester cover and Dyneema® SK78 core. Suitable for use as a highend sheet, or low-stretch halyard by advanced cruising sailors.

- working stretch < 2%
- kink-free, low-stretch sheets for cruiser-racers
- easy to splice
- LIROS Heat-Stretch-System



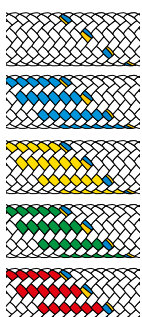
LIROS HSS
with LIROS Heat-Stretch-System
LIROS LCS
with LIROS Coating-System

Colours 02028



021
Blue-White
067
Yellow-White
092
Green-White
179
Red-White
775
Dark Grey-White

Colours 02004



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

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	500	7	250
4	710	11	250
5	870	17	250
6	1200	21	200
8	2300	38	200
10	3100	69	200
12	4800	89	200
14	6500	119	150

Cover

Polyester high twisted

Construction

3–5 mm 16-plaited
6–8 mm 24-plaited
10mm and up 32-plaited

Core

Dyneema® coated,
6mm and up with additional cover plait

LIROS Max Load System (MLS)

LIROS MLS crafted halyards and sheets for all popular boat sizes. Regatta ready, manufactured to exact LIROS standards. LIROS MLS with integrated shackle comes in a handy MLS mesh stow bag.

- Premium workmanship
- Product information see above



LIROS HSS
with LIROS Heat-Stretch-System
LIROS LCS
with LIROS Coating-System

Colours



021
Blue-White



179
Red-White

Halyard (Main, Genoa, Spi)

Reference	Ø mm	Length m	Attachment / halyard shackle	Breaking strength kg	Boat Size ft
02028-0830	8	30	pilot eye / spliced Wichard 81433	1800	22–29
02028-1035	10	35	pilot eye / spliced Wichard 81434	2400	30–36
02028-1240	12	40	pilot eye / spliced Wichard 81434	3800	37–42

Sheet (Spi, Genoa)

Reference	Ø mm	Length m	Attachment / snap shackle	Breaking strength kg	Boat Size ft
02028-0825	8	25	whipping / spliced Wichard 2473	1800	22–36
02028-1025	10	25	whipping / spliced Wichard 2475	2400	37–40
02028-1230	12	30	whipping / spliced Wichard 2475	3800	40–42



halyard shackle

snap shackle



LIROS D-Pro

01505

LIROS Heat-Stretch-System guarantees optimal breaking loads and stretch characteristics of this line. Excellent chafing resistance, light weight, and easy spliceability make this line irreplaceable in all sorts of applications on racing boats of any size. Perfect as a replacement for steel cabling in technical applications.

- working stretch < 1 %
- very high breaking load with small diameter and very low weight
- first choice for any application under extreme loads
- very spliceable
- highly UV stable and chafe resistant
- LIROS Heat-Stretch-System

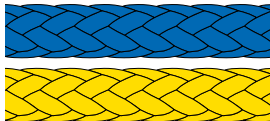
Material Coated Dyneema® SK78

Construction 12-plaited, heat-set and coated

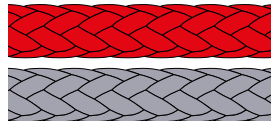


Not certified for lifting loads and personal security!

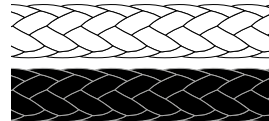
Colours



010
Blue
059
Yellow



171
Red
205
Silver



228
White
674
Deep Black (2 and up)



LIROS D-Pro Vision

01508

The new LIROS D-Pro Vision made of 100% Dyneema® SK78 with extremely high breaking loads at lowest weight! Best differentiation in all applications – whether as high-strength winch rope in industrial use or as universally useable watersports line. High UV-stability combined with best abrasion resistance and highest breaking loads at lowest weight guarantee best safety in practical use. First choice for replacing steel ropes in sports and industrial use.

- working stretch < 1 %
- very high breaking load with small diameter and very low weight
- first choice for any application under extreme loads
- very spliceable
- highly UV stable and chafe resistant
- LIROS-Heat-Stretch-System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	950	4,6	100
4	1300	7	100
5	2600	13	100
6	4300	23	100
8	5300	35	100
10	9000	60	100



Material
Coated Dyneema® SK78

Construction
12-plaited, heat-set and coated

Colours



019
Blue-Black



065
Yellow-Black

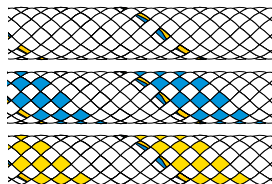
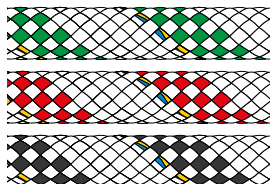


178
Red-Black

**LIROS Herkules****00154**

Very resistant, extremely versatile premium quality rope. Specially designed for sheets and control lines on yachts of every size. Very durable and low stretch, easily spliced to wire – heat set. Excellent grip on winch drums, exceptionally abrasion resistant cover. First choice for Cruising yachts with extremely high standards.

- *working stretch < 5%*
- *very high quality line for the demanding Cruising yacht*
- *easy to splice and absolutely non-kinking*
- *extremely durable, even under hard winching conditions*

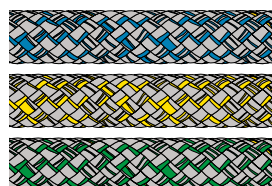
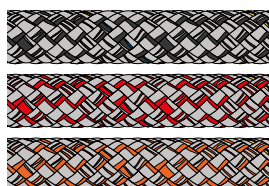
**Colours**228
White229
White-Blue231
White-Yellow232
White-Green236
White-Red239
White-Black

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 high-strength Polyester**Construction** 1:1 plaited**Core** high-strength Polyester plaited**LIROS Herkules Vision****01552**

Fresh colours combined with our premium silver grey Polyester. Very resistant, extremely versatile, top quality line. Specially designed for sheets and control lines on yachts of every size. Very durable and low stretch – heat set. Excellent grip on winch drums, exceptionally abrasion resistant cover. First choice for Cruising yachts with extremely high standards.

- *working stretch < 5%*
- *very high quality line for the demanding Cruising yacht*
- *very broad range of uses: sheet, halyard or control line*
- *easy to splice and absolutely non-kinking*
- *extremely durable, even under hard winching conditions*

Colours076
Silver-Blue080
Silver-Yellow081
Silver-Green083
Silver-Black386
Silver-Red555
Silver-Orange

Ø mm	Breaking strength kg	Length of spool m
6	800	200
8	1600	200
10	2500	200
12	3500	200
14	4500	150
16	5000	100

**Cover** high-strength Polyester dope dyed**Construction** 1:1 plaited**Core** high-strength Polyester plaited



LIROS Herkules Color

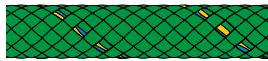
01550

Very resistant, extremely versatile premium quality rope. Specially designed for sheets and control lines on yachts of every size. Very durable and low stretch, easily spliced to wire – heat set. Excellent grip on winch drums, exceptionally abrasion resistant cover. First choice for Cruising yachts with extremely high standards.

- *working stretch < 5%*
- *the full-colour alternative to LIROS Herkules with high quality spun-dyed Polyester cover*



Colours

171
Red010
Blue059
Yellow705
Beige NF086
Green188
Black130
Navy529
Silver NF

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 high-strength Polyester dope dyed**Construction** 1:1 plaited**Core** high-strength Polyester plaited

LIROS Top Grip

01540

The new generation of high quality Cruising sheets. LIROS Top Grip 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.

- *working stretch < 5%*
- *perfect handling*
- *smooth, comfortable surface*
- *maximum grip*
- *best abrasion resistance*
- *very durable construction*

Colours

229
White-Blue232
White-Green236
White-Red239
White-Black

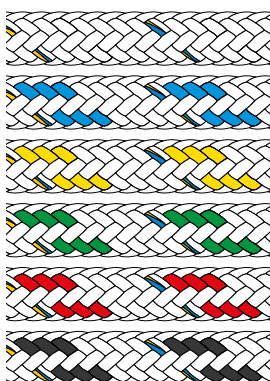
Ø mm	Breaking strength kg	Length of spool m
6	750	200
8	1350	200
10	2200	200
12	3000	200
14	4000	150

Cover Polyester grip fibre and high-tenacity, spun-dyed Polyester**Construction** 1:1 plaited**Core** high-strength Polyester plaited

**LIROS Top-Cruising****00152**

Very durable, kink-free, long-lasting sheet made of 100% high-tenacity Polyester. For use as mainsail, jib, and spinnaker sheets. Ideal for blue water sailing and long distances. Easy to splice – heat set.

- *working stretch < 5%*
- *the classic sheet for sailing yachts of any size*
- *non-kinking, easy-handling line with abrasion resistant cover and high breaking load*
- *easy-to-splice multi-purpose line*

Colours

228
White

229
White-Blue

231
White-Yellow

232
White-Green

236
White-Red

239
White-Black

**Cover**

high-strength Polyester

Ø mm	Breaking strength kg	Length of spool m
4	450	250
5	780	250
6	1100	200
7	1300	200
8	1800	200
10	2700	200
12	3200	200
14	3800	150
16	6100	100
18	6900	100
20	9700	100

Construction

Ø 4–8 mm 16-plaited
Ø 10mm and up 20-plaited

Core

high-tenacity braided Polyester

LIROS Top-Cruising-Color**01528**

Very durable, kink-free, long-lasting sheet made of 100% high-tenacity Polyester. For use as mainsail, headsail and spinnaker sheets. Ideal for blue water sailing, long distances. Easy to splice – heat set.

- *working stretch < 5%*
- *the full-colour alternative to LIROS Top-Cruising with high quality spun-dyed Polyester cover*

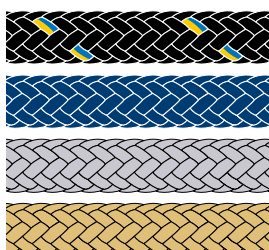
Colours

010
Blue

059
Yellow

086
Green

171
Red



188
Black

523
Navy NF

529
Silver NF

705
Beige NF

Ø mm	Breaking strength kg	Length of spool m
4*	450	250
5*	780	250
6	1100	200
8	1800	200
10	2700	200
12	3200	200
14	3800	150

* These diameters are only available in colours 010, 059, 086 and 171.

**Cover**

spun-dyed Polyester

Construction

Ø 4–8 mm 16-plaited
Ø 10mm and up 20-plaited

Core

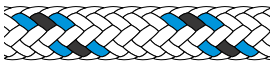
high-tenacity braided Polyester

**LIROS Allround****00151**

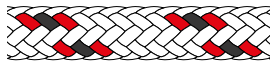
Economical double-braid for universal use in industry and watersports.
Low water absorption, easy to handle, abrasion resistant – heat set.

- *working stretch < 8%*
- *handy, economical, winch-ready sheet*
- *cover construction with good abrasion resistance*
- *minimal water absorption, well-suited for yachts up to 40 feet*

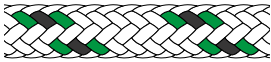
Ø mm	Breaking strength kg	Length of spool m
6	800	200
8	1400	200
10	2200	200
12	2600	200
14	3300	150

Colours

229
White-Blue



236
White-Red



232
White-Green

Cover

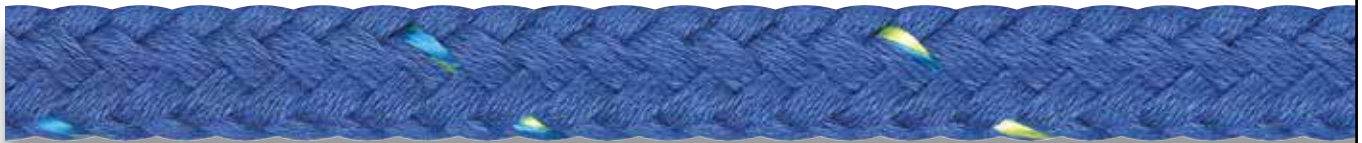
Polyester

Construction

Ø 6–8 mm 16-plaited
Ø 10 mm and up 20-plaited

Core

high-tenacity braided Polypropylene multifilament

**LIROS Seastar****00162 / 00172 / 00173**

High quality, grippy Polyester sheet with exceptionally soft, easy to grip cover – heat set. Classic design, available in eight different colours with LIROS blue and gold flecks.

- *working stretch < 6%*
- *soft, easy-to-handle, braided line*
- *salt water- and abrasion-resistant colours*
- *easily distinguishable colours help differentiate lines on deck*

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	3400	100
18	4300	100

Colour 00162

228
White

Colour 00173

546
Hemp NF

Colours 00172

010
Blue



171
Red



086
Green



188
Black

**Cover**

Polyester yarn matt

Construction

Ø 5 mm 8-plaited
Ø 6–8 mm 16-plaited
Ø 10–12 mm 20-plaited
Ø 14 mm and up 24-plaited

Core

high-tenacity braided Polyester



LIROS Standard

01082

Economical and soft sheet with easy to grip spun Polyester cover – heat set.

- working stretch < 8%
- soft and easy to grip
- all-purpose sheet

Colours



229
White-Blue



236
White-Red

Cover

matt Polyester yarn

Construction

Ø 6 – 12 mm 16-plaited
Ø 14 mm and up 20-plaited

Core

high-tenacity braided Polypropylene

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



LIROS Nautic

01072

Soft, very light, and easy-to-handle spsheet for dinghies or small keelboats. Can also be used as water-ski rope or towline. Spun-dyed, multi-purpose floating line. Round-woven, UV-stabilised, durable Polypropylene multifilament. **1 – 5 mm without flecks.** 6 – 16 mm with flecks in blue/gold.

- working stretch < 12%
- very lightweight
- easy to handle
- floatable
- UV-stabilised



Colours Ø 1-5 mm (NF)



525
Black



526
Blue



527
Green



530
Red



536
Yellow



539
Orange



541
Grey



543
Brown

Colours Ø 6-16 mm



010
Blue



059
Yellow



086
Green



150
Orange



171
Red



188
Black



541
Grey NF



543
Brown NF

Ø mm	Breaking strength kg	Length of spool m
1	30	500
1,5	38	500
2	70	500
3	140	500
4	280	500
5	390	250
6	550	200
8	900	200
10	1230	200
12	1700	200
14	2000	150
16	3700	100

Material

Polypropylene multifilament

Construction

8-plaited

**LIROS Reflecta****02100**

High-quality safety line for recovering individuals, for use with rescue systems or rigid danbuoys. Floating line with reflective fleck, making the rope easily visible under torch or spotlight illumination.

- *working stretch* < 12%
- *reflective flag*
- *round*
- *floats*

Ø mm	Breaking strength kg	Length of spool m
6	550	200
8	900	200

Colour

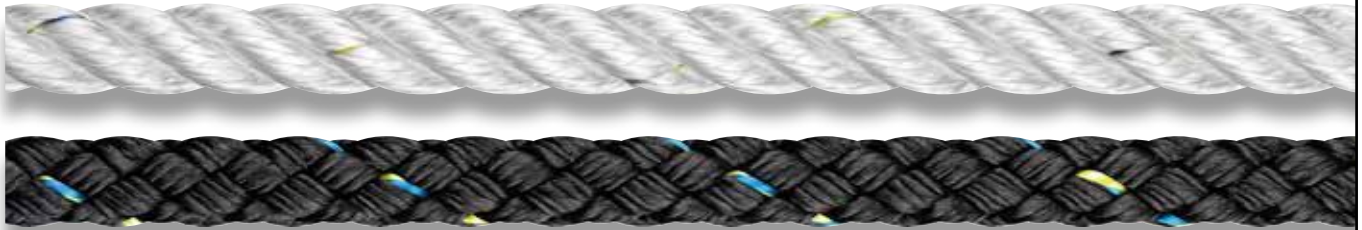
059
Yellow

Material

Polypropylen multifilament with reflective fleck

Construction

8-plaited

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

Pre-stretched for low elongation. Use for wire halyard leaders, control lines on dinghies and small boats – heat set. Perfect for many industrial applications.

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



Reference	Ø mm	Breaking strength kg	Length of spool m
00121	4	420	250
	5	600	250
	6	820	200
	8	1400	200
	10	2300	200
00122	12	2800	200
	14	4250	150
	4	420	250
	5	580	250
	6	800	200
	8	1500	200

Colour 00121

228
White

Colours 00122

188
Black



228
White

Material

Polyester heat-set

Construction

00121 twisted 3-strand

00122 8-plaited



LIROS Super Yacht Mooring 01300

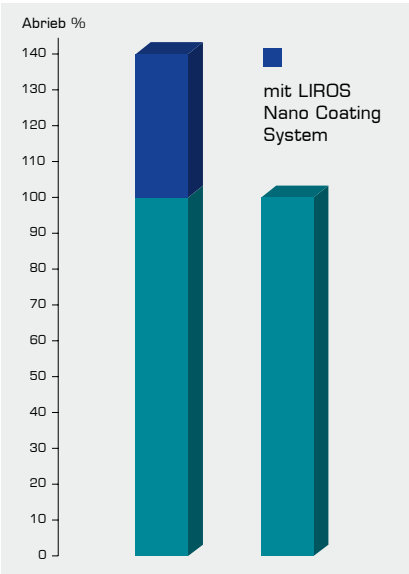
LIROS Super Yacht Mooring is a mooring line developed for superyachts up to 200 feet. Flexible core provides the best in safety, while the specialised LIROS cover delivers premium comfort. Our high end LIROS version with eye splice and protective leather chafing guard available upon request in individual lengths.

- working stretch > 15%
- ultimate in safety
- extremely easy to handle
- highly abrasion resistant LIROS Leather Guard eye splice in brown or black

Cover	Polyester high-twisted dope dyed
Construction	24-plaited, coated
Core	high-tenacity braided Polyester



Colours	
	130 Navy
	188 Black
	308 Dark Grey



Abrasion testing in LIROS labs

Reference	Ø mm	Boat size * ft	Breaking strength kg	Weight g/m
01300-2400	24	70 to 90	11500	400
01300-2800	28	up to 120	15900	580
01300-3200	32	up to 150	19800	740
01300-3600	36	up to 180	26000	950
01300-4000	40	up to 200	32800	1150
01300-4400	44	up to 220	38500	1420
01300-4800	48	up to 250	46000	1700
01300-5200	52	up to 280	53500	1980

* for yachts heavier than average, choose the next larger diameter



Leather chafing guard



100% hand-sewn, Made in Germany



Premium whipping



LIROS Handy-Elastic

00136 / 00137

The top performer in LIROS tests. High-stretch, extremely abrasion resistant mooring line, towline or anchor line. Specially designed with high elastic fibres. Can be used for shock absorption in extreme settings.

- *working stretch > 20%*
- *very easy to splice*
- *highly elastic and highly UV-stable*
- *extremely abrasion resistant*
- *very easy to handle*
- *very low-noise (when pulsating) under varying loads*
- *up to 40mm diameter available upon request*

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

Colours 00136



142
Navy-Yellow



188
Black

Colour 00137



289
White-Black-Red

Cover

high-strength Polyamide

Construction

1:1 plaited

Core

high-elastic braided Polyamide



LIROS Handy-Elastic pre spliced

Reference 00136/00137	Ø mm	Length m	Eye splice cm
-1006	10	6	40
-1010	10	10	40
-1015	10	15	40
-1206	12	6	40
-1210	12	10	40
-1215	12	15	40
-1406	14	6	40
-1410	14	10	40
-1415	14	15	40

Reference 00136/00137	Ø mm	Length m	Eye splice cm
-1606	16	6	40
-1610	16	10	40
-1615	16	15	40
-1806	18	6	40
-1810	18	10	40
-1815	18	15	40



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

Colours 00136



142
Navy-Yellow



188
Black

Colour 00137



289
White-Black-Red

**LIROS Porto****00133**

Very easy to handle 100% Polyester mooring or anchor line. Extremely strong and abrasion resistant, will not stiffen up. Special twist construction for high stretch.

- *working stretch > 15%*
- *very easy to splice*
- *highly UV-stable*
- *high strength and excellent abrasion resistance*

Cover

Polyester high twisted

Construction

Ø 8–10mm 16-plaited
Ø 12 mm and up 20-plaited

Core

high-strength Polyester braid

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

Colours

130
Navy



188
Black



239
White-Black



529
Silver

**LIROS Porto pre spliced**

Reference	Ø mm	Length m	Eye splice cm
00133-1006	10	6	40
00133-1010	10	10	40
00133-1015	10	15	40
00133-1206	12	6	40
00133-1210	12	10	40
00133-1215	12	15	40
00133-1406	14	6	40
00133-1410	14	10	40
00133-1415	14	15	40
00133-1606	16	6	40
00133-1610	16	10	40
00133-1615	16	15	40
00133-1806	18	6	40
00133-1810	18	10	40
00133-1815	18	15	40

Reference	Ø mm	Length m	Eye splice
00133-1030	10	30	S/S thimble
00133-1230	12	30	S/S thimble
00133-1430	14	30	S/S thimble
00133-1630	16	30	S/S thimble



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

Colours

130
Navy



188
Black



239
White-Black



529
Silver

NEW

LIROS Holiday

01083

A textured, grippy but soft mooring line for travelling. Light as a feather for low water absorption. Good abrasion resistance for sailing trips. Kink free for easy mooring.

- *working stretch < 15%*
- *easy splicing*
- *low water absorption*
- *light and floatable*
- *very good price-performance ratio*

Ø mm	Breaking strength kg	Length of spool m
10	1500	200
12	2100	200
14	2800	150
16	3200	100



Colour



381
Black-Silver

Material

spun dyed Polypropylene multifilament

Construction

16-plaited



LIROS Bumperline

01079

Premium square-braided fender line. Smooth material lays flat against topsides. Soft and easy to handle. Spliced attachments on both ends. 100% UV stabilised Polypropylene multifilament. Length between splices: 2,5 m, diameter: 12 mm.

- *pliable*
- *lays cleanly against topsides*
- *soft and easy to handle*
- *low water absorption*
- *floatable*

Colour



130
Navy



Material

spun dyed Polypropylene multifilament

Construction

8-plaited square braiding

Reference	Ø mm	Length m
01079-5001	50	5
01079-5002	50	7,5





LIROS Squareline-PES

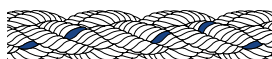
01047 / 01049

Super pliable, easy handling square-braided mooring or anchor line of 100% high-tenacity Polyester. 100% kink-free, easy to splice and easily joined to chain.

- *working stretch > 15%*
- *soft and easy to handle, extremely UV-stable*
- *smooth, comfortable feel*
- *non-kinking and extremely abrasion resistant*
- *easy to splice*



Colour 01047



229
White-Blue

Colours 01049



130
Navy



188
Black

Material

high-strength Polyester

Construction

8-plaited 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	10700	100
26	13700	100
28	15000	100

LIROS Squareline-PP

01078 / 01079 / 01080

Very light and easy-to-handle mooring line, land line, or towing line. High-strength, floating, UV-stabilised.

- *working stretch > 15%*
- *floats*
- *low water absorption*



Material

high-strength Polypropylene multifilament

Construction

8-plaited Octoplait

Colour 01078



228
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

LIROS-Fender Line

01580

- *pair of premium fender lines*
- *eye splice (15cm) on one end*
- *2,0m customized or 100m reels without eyes*

Reference	Ø mm	Length m	Breaking strength kg	Eye cm
01580-0802	8	1,5	900	15
01580-0800	8	100	1000	—

Colours



130
Navy



188
Black

Material

high-tenacity black Polyester

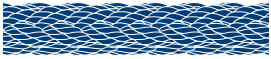
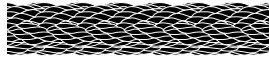
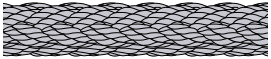


**LIROS Moorex 12****00132**

Very pliable, easy to handle, high-stretch mooring line. Hollow braided, very easy to splice. 12-plaited high-tenacity Polyester.

- *working stretch > 15%*
- *economical braided LIROS mooring line*
- *very smooth and easy to handle*
- *high stretch*
- *easy to splice*

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

Colours130
Navy188
Black529
Silver**Material**

high-strength Polyester

Construction

12-plaited

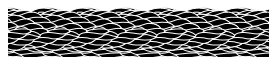
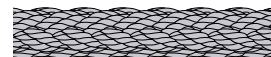
**LIROS Moorex 12 pre spliced**

Reference	Ø mm	Length m	Eye splice cm
00132-1006	10	6	40
00132-1010	10	10	40
00132-1015	10	15	40
00132-1206	12	6	40
00132-1210	12	10	40
00132-1215	12	15	40
00132-1406	14	6	40
00132-1410	14	10	40
00132-1415	14	15	40

Reference	Ø mm	Length m	Eye splice cm
00132-1606	16	6	40
00132-1610	16	10	40
00132-1615	16	15	40
00132-1806	18	6	40
00132-1810	18	10	40
00132-1815	18	15	40



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

Colours130
Navy188
Black529
Silver



LIROS Polyester Rope

00111 / 01110

Classic, very easy to splice, high strength, abrasion resistant rope for mooring and anchoring. 3-strand made of 100% Polyester. Heat-set. According to **DIN EN ISO 1141** standards (previously DIN EN 697, DIN 83331), heat set.

- *working stretch > 15%*
- *very easy to splice*
- *extremely strong and abrasion resistant*
- *heat-set*
- *highest UV stability*
- *perfect for a lot of industrial applications*



Colour 00111



228
White

Material

high-strength Polyester

Construction

3-strand, heat-set

Colours 01110



130
Navy



188
Black

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 Polyester Rope pre spliced

Reference	Ø mm	Length m	Eye splice cm
00111-1006	10	6	40
00111-1010	10	10	40
00111-1015	10	15	40
00111-1206	12	6	40
00111-1210	12	10	40
00111-1215	12	15	40
00111-1406	14	6	40
00111-1410	14	10	40
00111-1415	14	15	40
00111-1606	16	6	40
00111-1610	16	10	40
00111-1615	16	15	40

Reference	Ø mm	Length m	Eye splice
00111-1030	10	30	S/S thimble
00111-1230	12	30	S/S thimble
00111-1430	14	30	S/S thimble
00111-1630	16	30	S/S thimble



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

Colour 00111



228
White



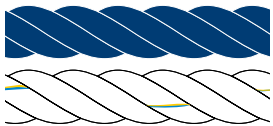
LIROS Polyamide Rope

00110

Classic mooring line with high elasticity. 3-strand twist for easy splicing. High strength and excellent abrasion resistance. 100% heat-set Nylon, according to **DIN EN ISO 1140** (previously DIN EN 696, DIN 83330), heat set.

- *working stretch > 20%*
- *very easy to splice*
- *extremely durable and abrasion resistant*
- *UV stabilised*
- *perfectly suited for multiple industrial uses*

Colours



130
Navy
228
White



Material high-strength Polyamide

Construction 3-strand, heat-set

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

All-purpose, floating 3-strand rope. Easy to splice, stays pliable even after extensive usage. According to **DIN EN ISO 1346** (previously DIN EN 699, DIN 83332)

01120: Polypropylen multifilament, heat-set, white
01123: Polypropylen multifilament spun dyed, heat-set
01126: Polypropylen multifilament spun dyed, heat-set

- *working stretch > 15%*
- *easy to splice*
- *economical, allround line*
- *low water absorption*
- *floatable*
- *perfect for many industrial applications*



Colour 01120



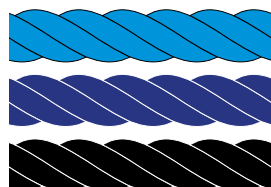
228
White

Colour 01126



705
Beige NF

Colours 01123



010
Blue
130
Navy
188
Black

Ø mm	Breaking strength kg	Length of spool m
4	280	250
5	425	250
6	600	200
8	1000	200
10	1500	200
12	2120	200
14	2800	150
16	3750	100
18	4500	100
20	5600	100

Material

high-strength Polypropylene multifilament

Construction

3-strand, heat-set

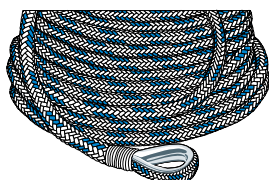


LIROS Handy-Ancor

01320

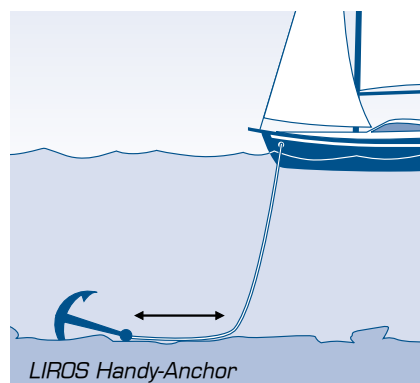
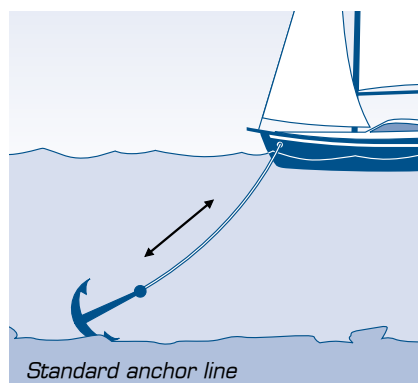
High quality anchor line with lead weight built into the last ten meters. Can be used without chain, especially easy to handle and stow. Available in 20, 30 and 40m lengths, with spliced S/S-thimble and whipping. 100% Polyester abrasion and UV-resistant. Comes in handy, blue LIROS kitbag.

- can be used without chain
- super easy to handle
- very simple to stow
- attractive LIROS kitbag

Colour

229
White-Blue

All lengths have 10m of integrated lead weighting and steel thimble



Cover	Polyester
Construction	20-plaited
Core	Polyester, lead (10 m from S/S thimble)

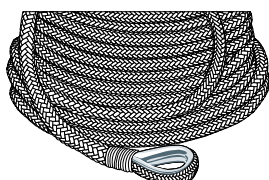
Ø mm	Breaking strength kg	Length of spool m	Weight kg
10	1500	20	3,4
10	1500	30	4,2
10	1500	40	4,9
12	2200	20	4,1
12	2200	30	5,0
12	2200	40	6,3
14	3100	40	8,5
16	4000	40	10,8
16	4000	50	13,5

LIROS Winch-Master

W1322

Similar to LIROS Handy-Ancor, but optimised to withstand windlass usage.

- completely with lead core
- attractive LIROS kitbag

Colour

228
White

Cover
Polyester

Construction
16-plaited

Core
Polyester, lead

Ø mm	Breaking strength kg	Length of spool m	Weight kg
12	1500	30	4,5
12	1500	40	5,9
12	1500	50	7,4
14	2200	40	11,0
14	2200	50	14,2
16	3100	40	12,9
16	3100	50	16,1

All lengths have integrated lead weighting and S/S thimble.

**LIROS Magic XTR****01513**

LIROS Magic XTR is ideal for use in dinghies and multihulls. Superior high grip, extremely durable cover. Perfect in cleats. The professional's choice.

- *working stretch < 1 %*
- *grip factor 9 (page 11)*
- *removable cover for top performance*
- *superior abrasion resistance – combo-cover (twisted Technora®/Dyneema®)*
- *best cover-core attachment*
- *very low stretch, highest breaking load*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Length of spool m
4	620	100
5	1400	100
6	1800	100

**Colours**

231
White-Yellow



239
White-Black

Cover

Technora® / Dyneema® Mix

Construction

4–5 mm 16-plaited
6 mm 24-plaited

Core

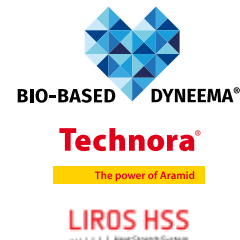
Dyneema® SK78 with
LIROS XTR Grip Coating

LIROS Magic Control XTR**02024**

Maximum grip for exact control of your dinghy. High tech materials provide highest reliability and enable precise manoeuvres, when it counts.

- *working stretch < 1,0%*
- *coated core*
- *very resistant and handy*
- *minimum stretch*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Length of spool m
4	1100	100
5	1450	100
6	2800	100

**Colours**

090
Green-Black



178
Red-Black



239
White-Black



652
Neon Yellow-Black

Cover

Technora® / Polyester

Construction

24-plaited

Core

Dyneema® SK78 silver with
LIROS XTR Grip Coating



LIROS Magic Pro

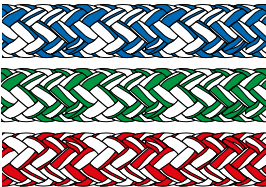
01507

LIROS Magic Pro combines all of the best characteristics with extreme low stretch. Outstanding block performance, enabling ultra-fast manoeuvres. The core is coated and specially treated with LIROS Heat-Stretch-System. The cover is made of a special Polyester grip fibre / spun-dyed Polyester mix for optimal control and perfect handling in manoeuvres.

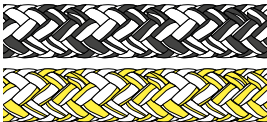
- working stretch < 1,5%
- grip factor 9 (page 11)
- precise cover construction for excellent hold in cleats and winches
- ideal for cover-stripping
- LIROS Heat-Stretch-System for lowest stretch

Ø mm	Breaking strength kg	Length of spool m
3	450	100
4	620	100
5	1250	100
6	1800	100
8	3000	100

Colours



229
White-Blue
232
White-Green
236
White-Red



239
White-Black
501
White-Neon Yellow

Cover

Polyester grip fibre /
spun-dyed Polyester mix

Construction

16-plaited

Core

Dyneema® SK78 with coloured
LIROS XTR Grip Coating



LIROS Magic Edge

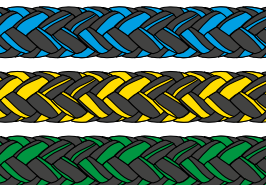
01502

Robust and handy low-stretch performance rope for all applications to regatta and advanced dinghy sailing boats. Best abrasion resistance due to high tech and tight cover braid.

- working stretch < 1,0%
- coated core
- resistant and handy construction
- low elongation
- 1,5–2mm single-coloured
- LIROS Heat-Stretch-System

Ø mm	Breaking strength kg	Length of spool m
1,5	125	100
2	250	100
3	420	100
4	580	100
5	1050	100
6	1800	100
7	2300	100

Colours



190
Black-Blue
192
Black-Yellow
194
Black-Green



198
Black-Pink
199
Black-Red
381
Black-Silver

Cover

Spun dyed Polyester

Construction

1,5–5 mm 16-plaited
6mm and up 1:1 plaited

Core

Dyneema® SK78 silver with
LIROS XTR Grip Coating

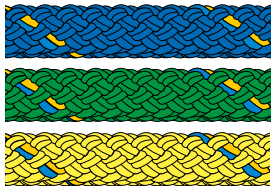


**LIROS Magic Race****02016**

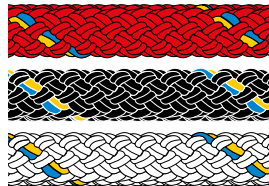
Extremely low stretch, compact, and abrasion resistant braid with high-strength Dyneema® core.

- *working stretch < 1,5%*
- *highly UV resistant*
- *low stretch, high grip*

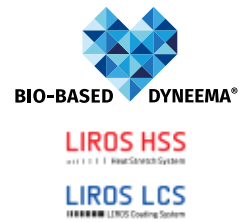
Ø mm	Breaking strength kg	Length of spool m
2	270	100
2,5	390	100
3	550	100
4	800	100
5	1100	100

Colours

010
Blue
086
Green
123
Neon Yellow



171
Red
188
Black
228
White

**Cover**

special high-twisted Polyester

Construction

2–3 mm 16-plaited
4 mm and up 1:1 plaited

Core

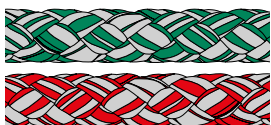
Dyneema® SK78 coated

**LIROS DynaSoft****02055**

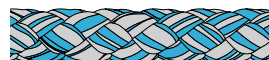
LIROS DynaSoft combines the best grip, the lightest weight, and the lowest stretch. Combination braid of high-strength Polyester grip fibres and Dyneema®. Almost kink free rope, which has been achieved through thermal treatment of the rope. Ideal for dinghy sheets and regatta halyard leads.

- *working stretch < 2%*
- *heat-set*
- *high grip*
- *extremely flexible*
- *excellent handleability*
- *limited suitability on winches*
- *LIROS Heat-Stretch-System for lowest stretch*

Ø mm	Breaking strength kg	Length of spool m
7	1200	100
9	2000	100

**Colours**

081
Grey-Green
386
Grey-Red



504
Grey-Turquoise

Material

Ideal hybrid of Dyneema® SK78 and Polyester grip fibres

Construction

8-plaited with core



LIROS Magic Sport

01517

Technical high-grade, universally useable line in striking Neon-Design for dinghies and small keel boats. Very abrasion resistant core in cleats, low stretch due to heat-set Polyester core.

- *working stretch < 5%*
- *very abrasion resistant*
- *high visibility*
- *low stretch*



Ø mm	Breaking strength kg	Length of spool m
2	95	100
3	185	100
4	550	100
5	850	100
6	1000	100

Colours



781
Neon Yellow-White



771
Neon Yellow-Silver



417
Neon Yellow-Pink



773
Neon Yellow-Blue

Cover

spun dyed Polyester

Construction

16-plaited

Core

high-strength Polyester

LIROS Magic Sheet

01506

LIROS Magic Sheet has been specially developed for use as main and jib sheets on dinghies, sports boats, and catamarans. Polyester grip fibres provide best cover-core attachment and perfect grip for optimal control in any situation.

- *working stretch < 8%*
- *great in turning blocks, fastest manoeuvres*
- *very compact non splice construction*

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

LIROS HSS
High Strength Systems

Colours



404
White-Silver



405
White-Marine



406
White-Orange



428
White-Pink

Cover

Polyester grip fibre /
spun-dyed Polyester mix

Construction

16-plaited

Core

Polypropylene high-strength plaited



LIROS Spi Pro

02049-0000

Very light, high quality, individually produced tapered spinnaker sheet with Dyneema® SK78 core for extremely low stretch and high strength. Minimal water absorption.

- Individual customisation available for any boat
- tailor-made for long working life
- lowest stretch and water absorbency
- premium spun Polyester for optimal grip
- available in diameters from 3–12 mm
- length, diameter, and colour customised to your specifications
- lowest weight
- available with eye splice

Cover

thick end – high-grip matt Polyester with Dyneema® SK78 / tapered end – 100% Dyneema® SK78

Core

braided Dyneema® SK78

Also available as

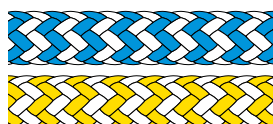
Opti-Design

6-9-6 mm in lengths of
1,5 - 2,5 - 3 m available.

Reference: 02042-0100

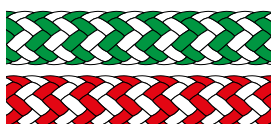


Colours



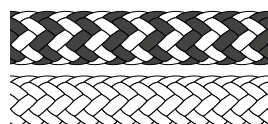
021
Blue-White

067
Yellow-White



092
Green-White

179
Red-White

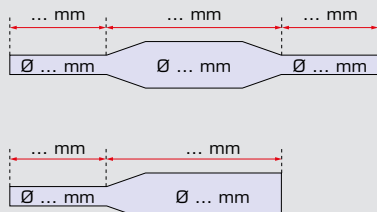


204
Black-White

542
White NF

Required order specifications:

1. Ø thick end
2. length thick end
3. Ø tapered end
4. length tapered end
5. colour



Available Ø 02049 [mm] / Breaking strength tapered end [kg]:

5 – 3 / 480	10 – 4 / 780	8 – 6 / 2000
6 – 3 / 480	8 – 5 / 950	9 – 6 / 2000
6 – 4 / 780	9 – 5 / 950	10 – 6 / 2000
8 – 4 / 780	10 – 5 / 950	12 – 6 / 2000
9 – 4 / 780	12 – 5 / 950	12 – 8 / 3000



LIROS Spi

02049

Very light and high quality spinnaker sheet with Dyneema® SK78 core for optimal grip, low stretch and high strength. Minimal water absorption.

- working stretch < 3%
- premium spun Polyester for optimal grip
- lowest stretch
- light weight



Colours



092
Green-White

179
Red-White



542
White NF

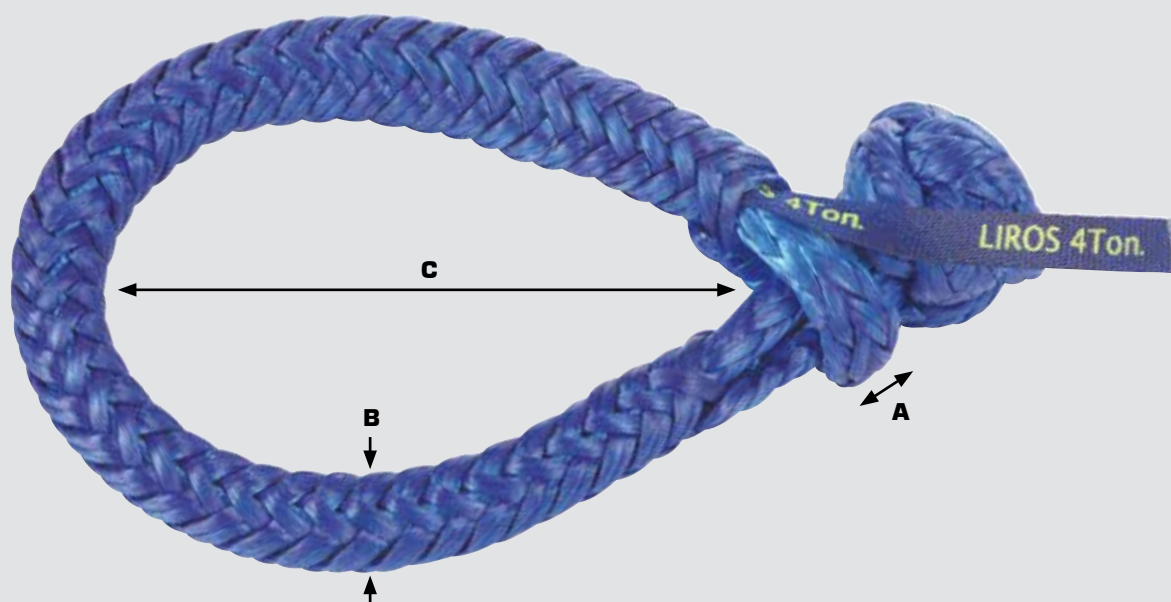
Cover

high-grip matt Polyester with Dyneema® SK78

Core

Dyneema® SK78 plaited

Ø mm	Breaking strength kg	Length of spool m
5	650	100
6	800	100
8	1000	100
10	1900	100



LIROS Soft Shackle

Fastening sheets, shackle halyards, fix blocks – the LIROS XTR Soft Shackle is the solution! 100% made of high-strength fiber Dyneema® SK78, replaces heavy metal shackles on deck. Easy and fast opening, thanks to the blue „LIROS ribbon“ with breaking strength information.

- No damages on deck or risk of injuries when operating by flapping metal parts
- suitable for many applications in sectors industry, offroad and outdoor
- 10x lighter than steel shackles at same breaking strength
- Easy and intuitive handling
- self-locking construction under load
- easy to open after use with high loads
- safety factor 2:1



Material Dyneema® SK78

Colours



010
Blue



171
Red



228
White



059
Yellow



205
Silver



674
Deep Black



086
Green

Reference	Breaking strength t	Colour	SWL** t	A Material Ø mm	B Final Ø app. mm	C Inner length mm
00146-0066	1	228 White*	0,5	4	6	65
00146-0090	1,5	674 Deep Black	0,75	5	9	90
00146-0069	2	171 Red*	1	6	12	120
00146-0070	4	010 Blue*	2	8	13	135
00146-0071	6	059 Yellow*	3	9	15	150
00146-0072	8	086 Green	4	10	19	150
00146-0073	10	674 Deep Black	5	12	20	190

* All sizes also available in deep black or silver!

** SWL = Safe Work Load



Not certified for lifting loads and personal security!



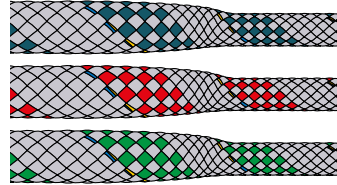
LIROS Taper Pro

02010

LIROS Taper Pro is the ideal line for latest generation of headsail furlers. This high-strength Dyneema® line offers a smooth transition from thick to thin for optimal handling. The thick cover provides excellent grip, while the thin end enables easy rolling, even under heavy load with small diameter furlers. Perfect as a low-stretch halyard for boats from 25–35 feet.

- *working stretch < 1,5%*
- *optimum grip on winches*
- *easy reefing, safe manoeuvres*
- *perfect solution for tapered halyards*

Colours



403
Silver-Steelblue
423
Silver-Red
424
Silver-Green

Cover

high-tenacity Polyester

Construction

1:1 plaited

Core

Dyneema® SK78 with additional cover plaiting

Reference	Ø mm	Breaking strength kg	Length with tapering m
02010-0900	9–6	2300	from 9mm (20m) to 6mm (10m) / 30m
02010-1100	11–8	3200	from 11mm (20m) to 8mm (15m) / 35m

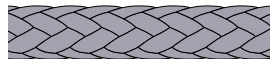


LIROS D-Loop

Textile slings made of high strength Dyneema® SK99 provides various options for transferring loads. Maximum weight savings. Replaces heavy steel fittings. Ideal combination with low-friction rings, blocks and shackles. LIROS D-loops can be used in three variants: single, double and looped.

- *working stretch < 2%*
- *maximum breakload at lowest weight*
- *LIROS Heat-Stretch-System*
- *round and safe*

Colour

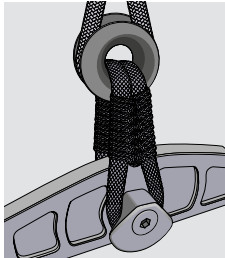


205
Silver

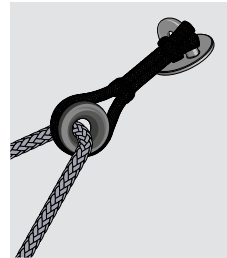
Application examples



single



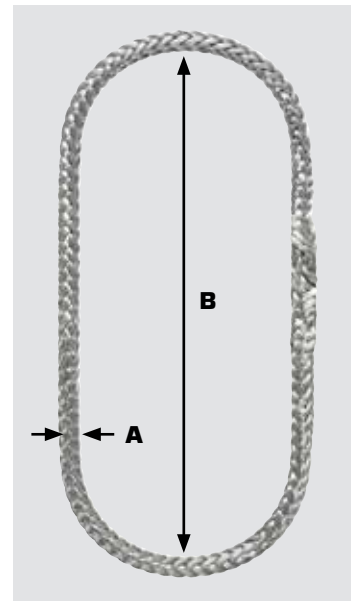
double



looped



LIROS HSS
LIROS LCS



Material

Dyneema® SK99

Construction

16-plaited, coated

Reference	A Material Ø mm	B Stretched length mm	SWL * single kg	SWL * double kg	SWL * looped kg
00146-0230	4	100	0,6	1,2	0,48
00146-0231	7	100	1,1	2,2	0,88
00146-0232	8	130	1,6	3,2	1,28
00146-0234	10	170	2,5	5	2
00146-0235	10	200	2,5	5	2



Not certified for lifting loads and personal security!

*SWL = Safe Work Load

LIROS D-Pro Static**01504**

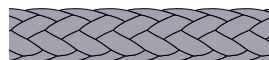
LIROS D-Pro Static is the only Dyneema® product with no creep. Ideal for any application where dimensional stability is critical (outhaul, backstay, dinghy shrouds). Also suited for static lines in industrial or other water sports applications.

- *no creep Dyneema® DM20*
- *high breaking load with smallest diameter and lowest weight*
- *exceptionally easy to splice*
- *highly UV-stable, excellent abrasion resistance*
- *LIROS Coating System LCS*



LIROS HSS
with HSS 1.1 Heat-Stretch-System
LIROS LCS
LIROS Coating System

Ø mm	Weight g/m	Stretch %	Breaking strength kg
3	5	< 1,0	900
4	7	< 1,0	1230
5	13	< 1,0	2450
6	23	< 1,0	4050
8	35	< 1,0	5000
10	60	< 1,0	8500
12	72	< 1,0	11300

Colour

205
Silver

Material

Dyneema® DM20

Construction

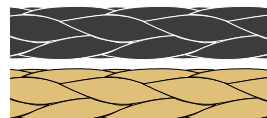
12-plaited

LIROS V-Plus-XTR**04007**

V-Plus-XTR is made of 100% Vectran® with high tech XTR Coating. Perfect as a wire replacement or alternative to hard shackles. An ideal line for applications that require constant length, lowest stretch without creep also under load. Vectran® delivers extreme precision. Perfect as bolt rope for high performance sails.

- *grip factor 7*
- *working stretch < 1 %*
- *no creep*
- *XTReme low initial elongation*
- *high-tech XTR coating*
- *easy to splice*
- *heat resistant up to 200°C*
- *easy to cover with Protect-XTR*

Ø mm	Weight g/m	Stretch %	Breaking strength kg
2	3	< 1	400
3	7	< 1	1100
4	10	< 1	1500
5	22	< 1	3000
6	32	< 1	5000
8	48	< 1	6800

Colours

188
Black
220
Natural

Material

100% Vectran® with LCS Coating

Construction

12-plaited

LIROS LCS
LIROS Coating System

Vectran™

**LIROS AntiTorsion EVO****11442**

Proven, ideal replacement for cable forestays.

- *working stretch < 1 %*
- *stiff, reinforced with braided monofilament inner cover*
- *high-strength Aramid core for extremely low-stretch and high breaking load*
- *non-splicing*
- *available in custom lengths*

Colour188
Black

Ø mm	Breaking strength kg
6	1300
8	3300
10,5	4000
11	4100
13	5000
16,5	8500

Cover

Polyester

Construction

16-plaited

Core

Aramid with braided monofilament

LIROS Leach Line**01046**

Compact, braided, shape-retaining leach line for sailmakers.

- *round*
- *compact*
- *minimal shrinkage*

**Colour**228
White

Ø mm	Length of spool m	Ø mm	Length of spool m
2	250	5	250
2,5	250	5,5	250
3	250	6	200
3,5	250	7	200
4	250	8	200
4,5	250	9	200

Cover

low-shrink Polyester

Construction

16-plaited

Core

Polyester

NEW**LIROS LSP Furler Line****01546**

Specially designed Furler Line with cover-core construction for use in all common furling systems. Abrasion resistant and UV-stable due to high quality Polyester cover. To manufacture endless spliced furling lines please use LIROS 00154 Herkules or LIROS 00152 Top-Cruising.

- *Stretch < 5 %*
- *High resistance to bending*
- *Abrasion resistant and UV-stable*

Colour239
White-Black

Ø mm	Length m	Breaking strength kg
8	20	1700
8	25	1700
10	25	2700
10	28	2700
12	40	3200

Cover
Polyester**Core**
Polyester**Construction**
8 mm
10–12 mm20-plaited
24-plaited



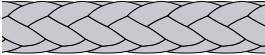
LIROS Lazy Jack

01532

New compact construction made of special high twisted Polyester. The very smooth and abrasion resistant surface protects the sail when dropping. The wide hollow braid is very easy to splice. Specially designed for use as Lazy Jack line.

- round and lightweight
- extremely UV-resistant and abrasion resistant

Colour



529
Silver NF

Material

special high twisted Polyester spun dyed

Construction

12-plaited without core



Ø mm	Breaking strength kg	Length of spool m
4	500	200
6	1100	200
8	2200	200

LIROS Webbing Dyneema®

00186

Premium webbing, low-stretch and high breaking strength.

- lowest stretch
- very abrasion resistant
- no water absorption
- extremely UV resistant

Colour



228
White



Material

Dyneema® SK78

Ø mm	Breaking strength kg	Length of spool m
25	1800	50

LIROS Magic Race

02016

Extremely low-stretch, abrasion-resistant. Round, compact, braided high-tenacity Dyneema® core.

- working stretch < 1,5%
- very UV resistant
- low-stretch, high-grip

Colour



228
White



Cover

special, high-twisted Polyester

Construction

2-3 mm 16-plaited
4 mm and up 1:1 plaited

Core

coated Dyneema® SK78

Ø mm	Breaking strength kg	Length of spool m
4	800	100
6	2500	100
8	3800	100



LIROS Magic Sail

01512

LIROS Magic Sail is ideal for sailmakers. Extremely shrink-resistant, round and compact for easy processing.

- *minimal shrinkage*
- *good dimensional stability*

Colour

236
White-Red



Ø mm	Breaking strength kg	Length of spool m
2	95	500
3	185	500
4	320	500
5	680	250
6	940	200

Cover

Polyester

Construction

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

Core

low-shrinkage Polyester

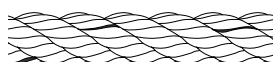


LIROS Bolt Rope

00124

Premium sailmaker's bolt rope. 3-strand, high-strength, low-shrink Polyester in white with black marker.

- *round*
- *compact*
- *minimal shrinkage*

Colour

228
White



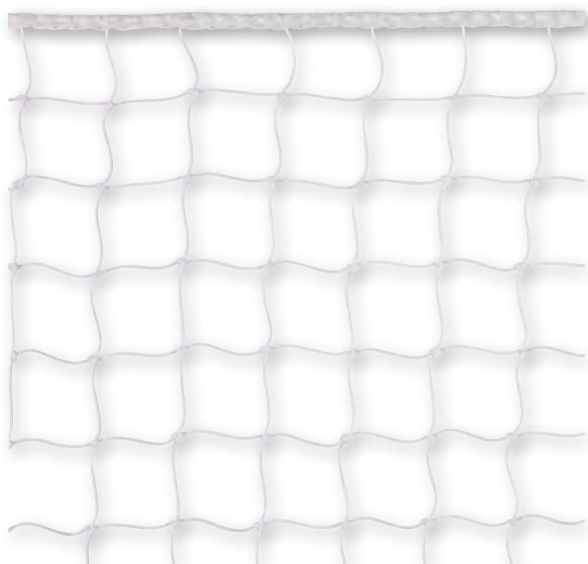
Ø mm	Length of spool m
5	250
6	200
7	200
8	200
9	200
10	200
11	200
12	200

Material

low-shrinkage Polyester

Construction

3-strand



LIROS Safety Netting

02040-0001-228

Premium knotted safety netting of 2 mm white, braided Polyester with reinforced edging.

- *mesh openings approx. 45 mm*
- *netting width 60 cm*
- *50 m lengths*



Detail view



LIROS Shock Cord

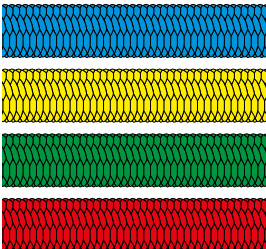
00190

Our high-elasticity shock cord with the best in stretch characteristics. Braided out of abrasion resistant Polyester in solid colour or white with blue-gold mark yarn.

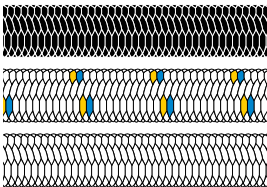
- round, abrasion-resistant construction
- also available in industrial bulk quantities
- Made in Germany
- individual adjustment in terms of colour possible

Ø mm	Breaking strength cover kg	Length of spool m
3	40	100
4	100	100
5	100	100
6	180	100
7	300	100
8	350	100
10	350	100
12	410	100
14	480	100

Colours



010
Blue
059
Yellow
086
Green
171
Red



188
Black
228
White
542
White NF

Cover

Polyester

Construction

3–8 mm 16-plaited
10–14 mm 24-plaited

Core

premium Latex

LIROS Stretch XTR

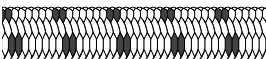
00199

High quality Shock Cord with extremely abrasion resistant 100% Dyneema® jacket. Intelligent cover construction design with maximum breakload.

- highest abrasion resistance
- very lightweight
- low water absorption
- UV-resistant

Ø mm	Breaking strength cover daN	Length of spool m
3	150	100
4	290	100
5	300	100
6	320	100

Colour



239
White-Black



Cover

Dyneema®

Construction

16-plaited

Core

high quality Latex rubber



LIROS Quick Clip + Shock Cord

Universal, all-purpose attachment for shock cord. 5 pieces in PE bag.

Reference	Ø mm	Länge cm	Reference	Ø mm	Länge cm
01905-4050	4	50	01907-8100	7	100
01905-5070	5	70	01907-8140	7	140



LIROS Quick Clip

Useful tightener for shock cords 5 pieces in PE bag or individually available.

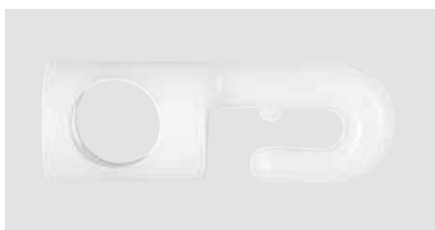
01905-0000	single	01905-0001	Five pieces in PE bag
01907-0000	single	01907-0001	Five pieces in PE bag



LIROS Elastic Straps

Our premium braided Polyester shock cord with nylon hook. 5 pieces in PE bag or available individually. High quality stretch latex core for long-lasting elasticity. Perfect for hanging advertising flags or banners. Abrasion and UV-resistant. Made in Germany.

Reference	Ø mm	Length cm	Reference	Ø mm	Length cm
01901-0415	4	15	01901-0455	4	55
01901-0435	4	35	01901-0475	4	75



LIROS Nylon Hook

For 4 mm diameter shock cord. 10 pieces in PE bag.

Reference	Ø mm
01294-0400-228	4



LIROS Nylon-Carabine Hook

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

For LIROS Shock Cord Ø 4–8 mm
5 pieces in PE bag.



LIROS Sail Ties

00187-2525-229

Practical sail ties keep your sails safe.
Premium end loop stitching for easy tying.

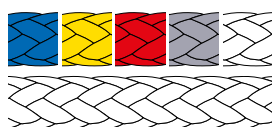
- 5 pieces in LIROS Netbag
- length: 2m

**Material**

pre-stretched, coated Dyneema® SK78

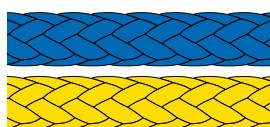
Construction

12-plaited

Colours

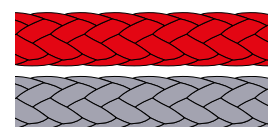
054
Selection

228
White



010
Blue

059
Yellow



171
Red

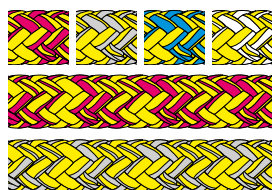
205
Silver

LIROS D-Pro**01505**

LIROS Heat-Stretch-System guarantees optimal breaking loads and stretch characteristics of this line. Excellent chafing resistance, light weight, and easy spliceability make this line irreplaceable in all sorts of applications.

- *very strong and abrasion resistant*
- *UV resistant and spliceable*

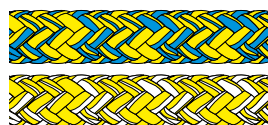
Reference	Ø mm	Breaking strength kg	Number of spools / length
01505-0002	2	410	10 x 30m
01505-0003	3	950	10 x 15m
01505-0004	4	1300	5 x 10m

Colours

054
Selection

417
Neon Yellow-Pink

771
Neon Yellow-Silver



773
Neon Yellow-Blue

781
Neon Yellow-White

LIROS Magic Sport**01517**

Technical high-grade, universally useable line in striking Neon-Design for dinghies and small keel boats. Very abrasion resistant core in cleats, low stretch due to heat-set Polyester core.

- *working stretch < 5%*
- *high visibility colours*
- *very resistant*
- *low stretch*

Reference	Ø mm	Breaking strength kg	Number of spools / length
01517-0002	2	85	10 x 30m
01517-0003	3	195	10 x 15m

Cover

spun dyed Polyester

Construction

16-plaited with core

Core

Polyester





LIROS Trim Line neon

01522

Popular braided Polyester cord point-of-sale box with assorted colours.

- all-purpose line
- great self-service item
- round braiding



Reference	Ø mm	Breaking strength kg	Number of spools / length
01522-0163-054	3	200	10 x 20m

Material coloured Polyester

Construction 16-plaited with core



LIROS Braided Polyester Line 01040

Braided high-strength Polyester.

- will not stiffen up
- flexible
- very UV resistant

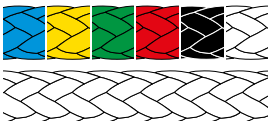


Reference	Ø mm	Breaking strength kg	Number of spools / length
01040-0002	2	100	10 x 30m
01040-0003	3	200	10 x 15m
01040-0004	4	330	5 x 10m

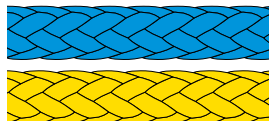
Material high-strength Polyester

Construction 8-plaited

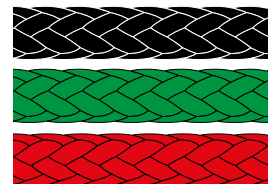
Colours



054
Selection
228
White



010
Blue
059
Yellow



188
Black
086
Green
171
Red



LIROS Classic

01172

Design like traditional hemp rope, but softer, stronger and more weather resistant at constant quality.

- high-grip
- pliable
- weather resistant



Ø mm	Number of spools / length
3	10 x 10m

Material spun polyester yarn

Construction 3-strand

Colour



546
Hemp NF



LIROS Whipping Twine / Sewing Thread

Reference	Ø mm	Number of spools / length	Construction	Treatment	Colour
00001	1,0	5 x 30m	plaited	unwaxed	292 White assorted
	1,5	5 x 20m	plaited	unwaxed	292 White assorted
	1,5	5 x 20m	plaited	heavy waxed	292 White assorted
	1,2	5 x 30m	twisted	waxed	292 White assorted
00006	0,5	20 x 80m	twisted	waxed	072 White
00007	1,2	20 x 30m	twisted	waxed	072 White
00008	1,5	20 x 20m	plaited	heavy waxed	072 White
00011	1,0	20 x 30m	plaited	heavy waxed	072 White
00012	1,5	20 x 20m	plaited	unwaxed	054 assorted colours*
00013	1,5	20 x 20m	plaited	heavy waxed	293 assorted colours*
Sewing Thread 00099-0400	0,3	10 x 140m	Polyester		228 White

All whipping twine also available in bulk 500m spools.

*assorted colours: Black, Blue, Green, Red, Yellow

LIROS Dyneema® Waxed Whipping Twine

00016	0,5	20x60m	braided	waxed	529 Silver
00017	1,2	20x30m	braided	waxed	529 Silver



LIROS Optisail

02056

Low-stretch Opti lanyards for lasting use and great knot holding.

- working stretch < 1,5%
- best knot holding
- extremely, strong and pliable

Ø mm	Number of spools / length
1,2	20 x 20m

Colour



199
Black-Red

Cover
Polyester

Construction
16-plaited with core

Core
Dyneema® SK78

See our premium metal display rack for best presentation on Point-of-Sale (page 83)



LIROS DC Pro

High-performance, 100% Dyneema® SK99 kiteline. Unmatched ratio between diameter and breaking strength. LIROS DC is perfect for use as flying or bridle line. Extremely low drag values and maximum performance for the kiter. Excellent dimensional stability even after highest stress. Delivers best in kite performance and durable precise control of the sporting equipment.

- easy to splice
- unmatched precision in kite control
- excellent dimensional stability
- LIROS Heat-Stretch-System

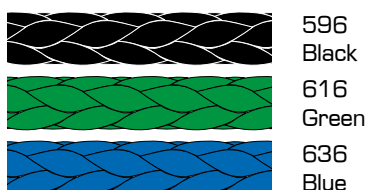
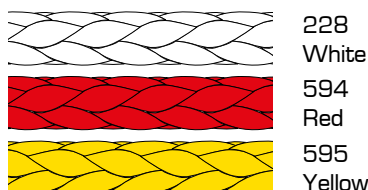
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DC 000-0161	0,83	170	1000
DC 000-0201	1,10	230	1000
DC 000-0301	1,30	325	1000
DC 000-0401	1,55	490	1000
DC 000-0701	2,00	730	1000



* LIROS FlightSport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



Material pre-stretched, coated Dyneema® SK99

Construction 12-plaited

Please find Polyester cover to strengthen splices on page 48.

LIROS DC

High-end, 100% Dyneema® SK75 kiteline. LIROS DC is perfect for use as flying or bridle line. Highest load capacity with minimal line diameter delivers the best in kite performance. Extreme stretch resistance, even after heavy loads, for precise control of the kite. LIROS DC – Kiting without compromise!

- easy to splice
- unmatched precision in kite control
- excellent dimensional stability
- LIROS Heat-Stretch-System

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DC 000-0035**	0,38	35	1000
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

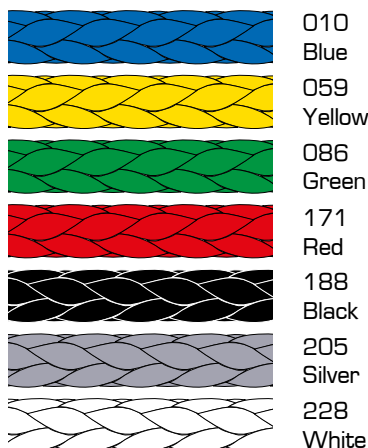


* LIROS FlightSport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

** DC 000-0035 only available in 228 White and 659 Orange.

Colours



Material pre-stretched, coated Dyneema® SK75

Construction 12- and 16-plaited

Please find Polyester cover to strengthen splices on page 48.



LIROS PC

Very long-lived and abrasion resistant cover for LIROS flying lines. A flexible braid made of high quality polyester protects the flying line and guarantees best connection properties.

- *long-lived*
- *UV-resistant*
- *cover material without core*

Reference	suitable for	Length of spool* m
PC000-0060	DC60, DC100	100
PC000-0120	DC120, DC160, DC161, DC201	100
PC000-0200	DC200, DC301	100
PC000-0300	DC300, DC401, DC701	100



* LIROS Flightsport lines may come six pieces to a spool.
No line will be shorter than 25m.

Colours



086
Green



188
Black



171
Red

Material hollow-braided Polyester

LIROS Bridle Line

LIROS Bridle Line is the reliable and durable bridle line with minimal stretch characteristics. The very abrasion-resistant and compact braided Polyester cover makes this rope glide perfectly through pulleys and has direct influence on kite control.

- *low elongation*
- *high abrasion resistance*
- *compact*
- *safe*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
22138-0200	2,0	300	1000
22138-0330	3,3	500	500



* LIROS Flightsport lines may come six pieces to a spool.
No line will be shorter than 25m.

Colour



188
Black



Cover high-strength Polyester

Construction 12-plaited

Core Dyneema® plaited



LIROS DePower Lines

Specially designed Depower line made of 100% Dyneema®. For long-life cycle in modern kitebar constructions. Technically versed coatings deliver up to 30% more resistance against abrasion, than in common depower lines.

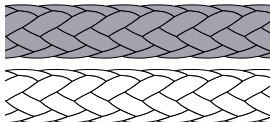
- highest safety and perfect abrasion resistance for the kiter
- spliceable
- very good abrasion resistance
- high breaking load
- low elongation
- LIROS Heat Stretch System

Reference	app. Ø mm	Breaking strength kg	Length of spool m
DPLP0-1300	4,0	1300	100/500
DPLP0-1750	4,5	1750	100/500
DPLP0-2600	5,0	2600	100/500
DPL00-1550	4,4	1550	500
DPL00-1700	5,2	1700	500
DPL00-1800	5,6	1800	500



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Colours



716
Silver
521
White



735
Deep Black

Material Dyneema®

Construction plaited, heat set and coated

LIROS PPSLS

Thin + Safe + Longlasting. Unique breakload at thinnest diameter guarantees highest performance for the paraglider. Minimum elongation for ideal glider setup. The paragliding line for high demands.

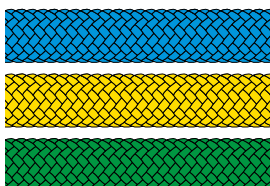
- extremely light and thin
- highest breakloads
- best paragliding performance
- perfect aging properties
- LIROS Heat-Stretch-System

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
PPSLS-0065	0,76	65	1000
PPSLS-0125	1,17	130	1000
PPSLS-0180	1,25	180	1000
PPSLS-0260	1,58	260	1000

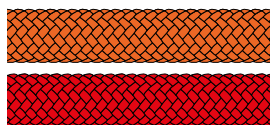


* LIROS FlightSport lines may come six pieces to a spool. No line will be shorter than 25m.
Not all colours available in all diameters.

Colours



010
Blue
059
Yellow
086
Green



150
Orange
171
Red



LIROS HSS
Heat Stretch System

Cover Polyester

Core pre-stretched Dyneema®



LIROS PPSL

LIROS PPSL is lightweight, with minimal creep, as well as unmatched durability, even after extreme bending. The kite line for the most demanding applications. Shrinkage < 0,5%.

- *very low creep*
- *lowest stretch*
- *top paragliding performance*
- *optimal dimensional stability*
- *extremely durable*
- *LIROS Heat-Stretch-System*

Colours



010
Blue



059
Yellow



086
Green



150
Orange



171
Red

Cover Polyester 16-plaited

Core pre-stretched Dyneema®



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.



LIROS HSS
with 100% Heat-Stretch-System

LIROS DSL

High-tech Dyneema® core, combined with our superior Polyester braided cover, guarantees a long-lasting, high-altitude line. Perfectly balanced Polyester cover offers the best in line accessibility and protects the core from dirt and UV exposure.

- *very low creep*
- *lowest stretch*
- *good line differentiation*
- *optimum durability*
- *LIROS Heat-Stretch-System*

Colours



010
Blue



059
Yellow



086
Green



150
Orange



157
Pink



171
Red

Cover Polyester 32-plaited

Core pre-stretched Dyneema®

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DSL00-0025 Black	0,80	25	1000
DSL00-0035 White	0,90	35	1000
DSL00-0070	0,95	70	1000
DSL00-0140	1,25	140	1000
DSL00-0350	2,00	350	1000
DSL00-0600	2,40	600	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.



LIROS HSS
with 100% Heat-Stretch-System



LIROS TSL

LIROS TSL is the covered Technora® paragliding line with the best diameter to load capacity ratio. Optimised cross-section for excellent aerodynamics. High-strength Technora® fibres and LIROS Heat-Stretch-System to minimise stretch and creep. Finely braided, water-repellent Polyester cover provides easy line differentiation.

- optimal diameter to load capacity ratio
- lowest creep, lowest stretch
- optimum bendability
- LIROS Heat-Stretch-System

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
TSL00-0115	1,25	115	1000
TSL00-0140	1,30	140	1000
TSL00-0190	1,55	190	1000
TSL00-0220	1,65	220	1000
TSL00-0280	1,80	280	1000
TSL00-0380	2,20	380	1000
TSL00-0500	2,37	500	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.
Not all colours available in all diameters.

Colours



010
Blue



059
Yellow



086
Green



150
Orange



171
Red

Cover Polyester

Core Technora®

Technora®

The power of Aramid

LIROS HSS
Heat Stretch System

LIROS LTC

LIROS LTC - performance at its best! The high tech line with double coating for the best in aerodynamics. The unique LIROS LTC process coats Technora® fibres before braiding for the best in static hold, UV stability, lateral strength, and line handling. LIROS LTC is the perfect line for competitive and advanced-intermediate use.

- lowest stretch
- very low creep
- double nanocoating
- optimum surface finish
- peak performance
- LIROS Heat-Stretch-System

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
LTC00-0045	0,55	45	1000
LTC00-0065	0,65	65	1000
LTC00-0080	0,70	80	1000
LTC00-0120	1,10	120	1000
LTC00-0160	1,20	160	1000
LTC00-0200	1,30	200	1000
LTC00-0350	1,75	350	500
LTC00-0400	1,90	400	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Colour



705
Beige NF

Technora®
The power of Aramid

LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Material 100% Technora®

Construction 12-plaited

LIROS DFL

LIROS DFL offers a high degree of flexibility. Very good knot holding and UV resistance, excellent for brake lines. LIROS DFL handles high dynamic load ranges easily, especially in deflection through turning blocks.

- *good knot hold*
- *extremely abrasion resistant*
- *lightweight*
- *highly flexible*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DFL00-0115	1,40	115	1000
DFLS0-0200**	1,90	200	500
DFLPO-0232	2,70	200	500
DFL00-0350	2,70	350	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

** Only available in 059 Yellow and 150 Orange.

Colours



059
Yellow



150
Orange



171
Red

Cover Polyester 16-plaited, DFLPO-0232 32-plaited
Core Dyneema®



LIROS Safety Line

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

RLP

- *working stretch < 25%*
- *excellent damping capabilities*
- *good spliceability*
- *Material: Polyamide*

RLD

- *working stretch < 7%*
- *good spliceability*
- *high weight reduction*
- *Material: Dyneema®*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
RLD00-0190	1,3	190	500
RLD00-0275	1,35	275	1000
RLD00-0350	1,7	350	1000
RLP00-0110	4	110	1000
RLP00-0150	4,5	150	1000



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.



Colour



228
White



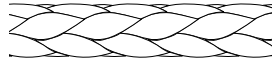
LIROS SL

Very long lasting and lightweight towing line for paragliding and winch towing. LIROS SL delivers a high level of safety. The SL500 is especially well-suited for tandem towing. The extremely thin diameter increases capacity on winch drums.

- *easy to splice*
- *low diameter increases winch capacity*
- *no water absorption*
- *very good UV resistance*

Reference	app. Ø mm	Breaking strength kg	Length of spool m
SL000-0375	2,5	375	1000
SL000-0500	3,2	500	1000

Colour



228
White



Material Dyneema®

Construction SL375 12-plaited / SL500 8-plaited

LIROS Harness

Extremely flat hollow braided rope. LIROS Harness is qualified to replace common webbings in paragliding harness. Made of 100% Dyneema® for less weight and very good flexibility endurance and resistant to fatigue.

- *lightweight*
- *high breakloads*
- *LIROS Heat-Stretch-System*

Reference	app. Ø mm	Breaking strength kg	Length of spool m
CRS00-0500-228	5	500	500
CRO00-1000-228	6	1000	500
CRO00-1800-228	9	1800	500

Colour



228
White



Material 100% Dyneema®

Construction 32-plaited

LIROS T-Webbing

00185-1301

Technora® webbing with Polyester cover. A LIROS development for use in paragliding ultra light harnesses. Longlasting high tech quality.

- *high breakloads*
- *good resistance to abrasion*

Colour



188
Black

Material Technora®/Polyester

Construction webbing

Breite mm	Breaking strength kg	Length of spool m
13	850	100

Technora®
The power of Aramid



LIROS Magic Surf

The LIROS Magic Surf is specially designed for wind surfing and enables exact setting of the sail tension. 03000-0380 is suitable for all kinds of clutches. 00148-0419 enables extreme grip on sensitive clutches and at higher stress on systems with ratchet.

- working stretch < 1 %
- extremely low stretch

Material

Dyneema® SK 78, pre-stretched

Construction

3,8 mm 16-plaited
4,2 mm 8-plaited

Colour



228
White



LIROS Trim Line

01051

Low-stretch, high-grip, great holding power in cleats. Compact, round, UV- and abrasion resistant braiding.

- working stretch < 5 %
- low-stretch, high-grip
- excellent for windsurfing

Colours



188
Black



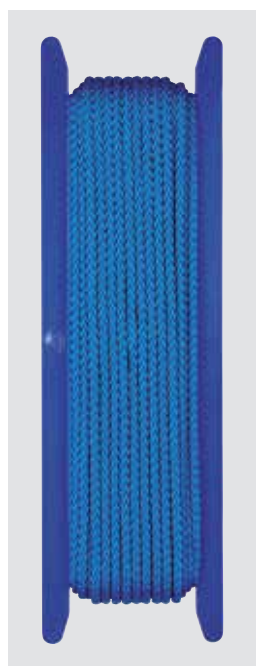
229
White-Blue



Material
Polyester

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

Construction
16-plaited with twisted core



LIROS All-purpose Line

10070 / 10072

For camping, outdoor, around the house. Handy winder pre-packed in LIROS polybag.

- attractive, selfservice product
- UV resistant
- multiple outdoor and industrial applications

Reference 10070/10072	Ø mm	Winder length m
...-0230	3	20
...-0330	3	30
...-0530	3	50
...-0240	4	20
...-0340	4	30
...-0250	5	20
...-0350	5	30

Colour 10070



228
White

Colours 10072



010
Blue



059
Yellow



086
Green



171
Red



188
Black

Material Polypropylene multifilament

Construction 8-plaited





LIROS V-Plus-XTR

04007

V-Plus-XTR is made of 100% Vectran® with high tech XTR Coating. Perfect as a wire replacement or alternative to hard shackles. An ideal line for applications that require constant length, lowest stretch without creep, also under load. Vectran® delivers extreme precision. Perfect as bolt rope for high performance sails.

- grip factor 7
- no creep
- XTReme low initial elongation
- high-tech XTR coating
- easy to splice
- heat resistant

Ø mm	Weight g/m	Working stretch %	Breaking strength kg
3	7	< 1	1100
4	10	< 1	1500
5	22	< 1	3000
6	32	< 1	5000
8	48	< 1	6800

Material 100% Vectran® with LCS Coating

Construction 12-plaited

Vectran™

LIROS LCS
LIROS Coating System

Colour



188
Black

LIROS D-Pro

01505

LIROS Heat-Stretch-System for guaranteed optimum breaking load and lowest stretch. Top abrasion resistance, low weight, and easy spliceability make this line irreplaceable in numerous show-rigging applications. Perfect as a replacement for steel cables.

- mat black surface, not marking off
- non-reflective
- working stretch < 1%
- very high working load with minimum diameter and lightweight
- first choice for all extreme load applications
- best spliceability
- high UV stability and abrasion resistance
- LIROS Heat-Stretch-System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	410	1,8	100
2,5	580	3,5	100
3	950	4,6	100
4	1300	7	100
5	2600	13	100
6	4300	23	100
8	5300	35	100
9	7500	49	100
10	9000	60	100
12	11900	72	100
14	14500	95	100
16	19000	131	100

Colour



674
Deep Black

Material Dyneema® SK78 coated

Construction pre-stretched, coated, 12-plaited

BIO-BASED  **DYNEEMA®**

LIROS HSS
LIROS Heat-Stretch-System
LIROS LCS
LIROS Coating System



Not certified for lifting loads and personal security!



LIROS Max Load Black 02025

Full spectrum black cover is completely invisible in dark environments. High-quality, very low-stretch, with durable and abrasion resistant braided cover, inner cover and special coated Dyneema® SK78 core.

- working stretch < 1,5%
- exceptionally strong, durable, and lightweight
- extremely abrasion resistant Polyester cover
- LIROS Heat-Stretch-System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	270	3	250
2,5	390	5	250
3	550	7	250
4	800	11	250
5	1100	15	250
6	2500	25	200
8	3800	42	200
10	5000	61	200
12	7200	88	200

Colour



525
Black NF



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Cover

special high-twisted Polyester

Construction

2-3 mm 16-plaited
4 mm and up 1:1 plaited

Core

coated Dyneema® SK78 with additional cover plait from 8 mm and up

LIROS Poly Black

01076

Affordable, extremely lightweight rope for theatre and other applications. Very easy-to-handle, deep black soft Polypropylene.

- working stretch < 12%
- very lightweight
- easy to handle
- floatable
- UV stabilised
- economical



Colour



525
Black NF

Material

Polypropylene multifilament

Construction

8-plaited

Ø mm	Breaking strength kg	Length of spool m
1,5	38	100
2	70	100
3	140	100
4	280	100
5	390	250
6	550	200
8	900	200
10	1230	200
12	1700	200
14	2000	150
16	3700	100

**LIROS Multi Black****01037**

High-strength black braided Polyester. High-grip surface.
Multi-purpose line.

- *working stretch < 10%*
- *will not stiffen up*
- *very UV resistant*
- *flexible*
- *abrasion resistant*

**Colour**

525
Black NF

Material

high-tenacity Polyester

Construction

16-plaited with core up to 8mm
20-plaited with core 10mm and up

Core

high-tenacity Polyester

Ø mm	Breaking strength kg	Length of spool m
1	35	100
2	90	100
3	150	100
4	280	100
5	450	250
6	640	200
8	1100	200
10	1700	200
12	2200	200
14	3000	150
16	3900	100

LIROS Soft Black**00174**

Premium quality, high-grip Polyester line with flexible, soft-grip cover.
Matt black cover is completely invisible in dark environments.

- *working stretch < 6%*
- *soft easy-to-handle premium spun braid*
- *excellent knot hold*

**Colour**

525
Black NF

Cover

Polyester

Construction

Ø 5 mm 8-plaited
Ø 6 to 8 mm 16-plaited
Ø 10 to 12 mm 20-plaited
Ø 14mm and up 24-plaited

Core

high-tenacity Polyester

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	3400	100



NEW

LIROS Safe Nordic Plus

01019-0000

Core-cover rope, manufactured to **DIN EN 1891** for personal security. Specially designed with extremely low stretch for SRT (Stationary Rope Technique), or as efficient and power saving abseiling rope. Robust and resistant, very good grip and smooth handling. With optimized cover structure for optimal fulfilling the requirements of single-rope technique.

- *very low stretch*
- *grippy and flexible*
- *robust and resistant*
- *available pre-spliced with sewn eye on both ends*

Cover
high-tenacity Polyamide

Construction
32-plaited

Core
high-tenacity Polyamide



Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
9,6	2900	3,8	62	60	200

Colour



790
White 2F Black



LIROS Safe Nordic

01015-0000

Semi-static rope manufactured to **DIN EN 1891** standards. Developed by LIROS for specialised industrial applications with double-braided construction and LIROS Heat-Stretch-System for minimal core-cover movement.

- *low yo-yo effect when up- and abseiling*
- *very good handling*
- *non-kinking and easy stowing*
- *available with both ends sewn eye*

Cover
high-tenacity Polyamide

Construction
32-plaited

Core
high-tenacity Polyamide



Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
11,5	3400	3,8	80	46	200

Colour



701
Black 2F Red





LIROS Safe Classic

The LIROS semi-static rope is a strong and durable rope for life safety/rescue applications, or rope access/scaffolding. The unique abrasion-resistant braided cover protects the core from external weather conditions and dirt. Manufactured according **DIN EN 1891**.

- long-lasting construction
- highly abrasion resistant
- exceptional knot hold
- extremely low cover-core movement
- available with both ends sewn eye

Cover

high-tenacity Polyamide

Construction

16-plaited

Core

special multi-braided Polyamide



Reference	Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
00099-1116	10,5	3400	4,1	70	42	200
00099-2369	11	3550	4,0	74	40	200

Colours



382
White-Blue-Black



525
Black NF



LIROS Safe Pro

01011

Semi-static rope manufactured to **DIN EN 1891** standards. Developed by LIROS for specialised industrial applications with double-braided construction and LIROS Heat-Stretch System for minimal core-cover movement.

- available with both ends sewn eye
- soft and flexible rope
- perfect and easy handling
- LIROS Heat-Stretch-System

Cover

high-tenacity Polyamide

Construction

32-plaited

Core

high-tenacity Polyamide



Reference	Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
01011-1000	10	2600	4,4	58	43	200
01011-1100	11	2850	4,2	71	53	200
01011-1200	12	3900	4,0	82	45	200
01011-1400	14	4550	3,4	102	46	150

Colour



230
White-Blue-Yellow





LIROS Safe Vision

01595 / 01596

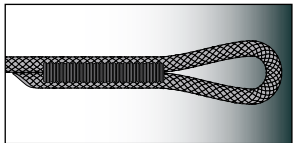
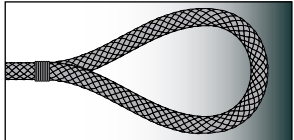
New LIROS safety rope according to **DIN EN 1891**. Specially developed as a working line for the arborist. LIROS Safe Vision is especially smooth and flexible, so arborists can work and move quickly and safely. High strength Polyester cover is extremely abrasion resistant. Low diameter for very lightweight.

- optimum handling
- highly abrasion resistant
- exceptional knot hold
- extremely low cover-core movement

Cover
high twisted Polyester

Construction
24-plaited

Core
plaited Polyamide



Colour



014
Blue-Yellow-White

Reference	Ø mm	Elongation % at 100 kg	Breaking strength DIN kg	Breaking strength eff. kg	Weight g/m	Cover ratio %	Length m
01595-0000	11,8	2,5	2200	3700	82	54	200 without end connection
01595-1000	11,8	2,5	1500	2900	82	54	as required / incl. seam
01595-3000	11,8	2,5	1500	2400	82	54	as required / incl. splice
01596-0000	12,8	2,2	2200	4500	102	51	200 without end connection
01596-1000	12,8	2,2	1500	3300	102	51	as required / incl. seam
01596-3000	12,8	2,2	1500	3000	102	51	as required / incl. splice

NEW

LIROS Safe Plus

01597-0000

The LIROS Safe Plus is a specially designed double braid manufactured and certified to **DIN EN 1891** Type A. Developed for „Single Rope Technique“ (SRT). Perfect control for efficient ascending, abseiling and working technique. The special construction with comparable reduced elongation with best breaking strength avoids any yo-yo effect during the ascent. This allows the pro-arborist to concentrate fully on his work and the safety improves considerably.

- available with both ends sewn eye
- exceptional knot hold

Cover
Polyester

Construction
32-plaited

Core
Polyamide



Colour



652
Neon Yellow-Black

Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
11,5	4300	1,5	100	46	as required



LIROS Safe Prusik XTR 01594

LIROS Prusik-XTR, according to **DIN EN 566**, is notable for its high strength and technical construction, with a special combo-material cover of heat-resistant hybrid fibres paired with high-strength Polyester.

- very high strength
- impact force: 5.5 kN
- excellent abrasion resistance, even at high temperatures
- perfect cover-core attachment
- multiple applications
- sewn eye on each end
- standard length 60, 70, 80, 90, 100, 110 and 120cm

Ø mm	Breaking strength DIN kg	Breaking strength eff. kg
9	2200	2900

Cover

Aramid / Polyester
24-plaited

Core

Dyneema®, Aramid

Colour



192
Black-Yellow



LIROS Safe Prusik 01590 / 92 / 93

LIROS Prusik, according to **DIN EN 566**, is notable for its technical construction, with a special combo-material cover of heat-resistant hybrid fibres paired with high-strength Polyester.

- excellent abrasion resistance, even at high temperatures
- hybrid fibres inhibit cover melting
- perfect cover-core attachment
- multiple applications
- sewn eye on each end
- standard length 60, 70, 80, 90, 100, 110 and 120cm

Reference	Ø mm	Breaking strength DIN kg	Breaking strength eff. kg
01592	8	2200	2500
01590	9,1	2200	2700
01593	10	2200	2900

Cover

Polyester / Aramid 20-plaited

Core

high-tenacity Polyester



Colour 01590



064
Yellow-Red

Colour 01592



321
Yellow-Silver

Colour 01593



069
Yellow-Green

**LIROS Safe Arb****01527**

Very easy-to-handle rope, extremely strong and durable. 100% Polyester cover-core construction will not stiffen up. Specially developed LIROS Coating for exceptional abrasion resistance.

- *very easy to splice*
- *extremely strong and durable*
- *will not stiffen up*
- *very UV-resistant*

**LIROS LCS**
LIROS Coating System**Colours****12 mm**
010 Blue**14 mm**
059 Yellow**16 mm**
171 Red**18 mm**
188 Black**Cover**

high-twisted Polyester

Construction

20-plaited

Corehigh-tenacity
braided Polyester**NEW****LIROS Heaving Line****00099-0846**

Designed through technical innovation and longevity in mind. Forms loose coils and guarantees easy throwing. High visibility to ensure safe working practice.

- *kink resistant*
- *abrasion resistant*
- *spliceable*

Colours**059**
Yellow**096**
Light Blue

app. Ø mm	Breaking strength kg	Length of spool m
1,8	200	100

**LIROS HSS**
with 100% High Strength Polyester
LIROS LCS
LIROS Coating System**Material**

Dyneema® impregnated

Construction

braided

NEW**LIROS Safe Spill****01525**

Capstan Winch Rope with high-strength core and abrasion resistant Polyester cover. The special core material provides an extremely high breaking strength and safety at lowest weight. Customised lengths available.

- *working stretch < 1 %*
- *abrasion and heat resistant*
- *very good knot hold*
- *very UV-resistant*

Colour**239**
White-Black

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
10	3800	70	200

Cover

high-strength Polyester

Construction

24-plaited

Core

HMPE



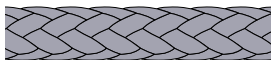
LIROS D-Steel

01481

With this line LIROS guarantees highest breaking strength and lowest elongation values with all diameters, best abrasion resistance, low weight and easy spliceability. Enabling new and innovative solutions in forestry and arboriculture. Optimal as replacement of steel ropes in various technical applications.

- working stretch < 1 %
- very high breaking load with smallest diameter and lowest weight
- first choice for all applications with extreme loads
- 10 x lighter than steel
- excellent spliceability, can also be used with cover
- high UV stability and durability
- water repellent
- LIROS Heat-Stretch-System

Colour



316
Carbon

LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Ø mm	Breaking strength kg	Length of spool m
8	6800	100 / as required
10	10500	100 / as required
12	14500	100 / as required
14	17500	100 / as required
16	22000	100 / as required
18	26000	100 / as required
20	32000	100 / as required
22	38000	100 / as required
24	44000	100 / as required
26	50000	200 (coil)

Material ultrahigh-strength HMPE

Construction 12-plaited, heat set and coated

LIROS Felling Aid Rope

02008

Our very low weight and abrasion resistant PES-Vectran Fällhilfeseile / tree towing rope is manufactured with extremely low stretch HMPE-core. The indicated Forest Tractive Force (FTF) on the respective Fällhilfeseil resembles the maximum traction of your forestry windlass.

- working stretch < 1 %
- with FTF-label 2,5t, 4,5t, 6t, 8,5t or 10t
- available length: 9, 12, 15, 20, 30 and 40m
- extremely abrasion resistant
PES-Vectran protective cover
- eye splice on both ends (length 200mm)
- long service life
- extremely low weight at high breaking strength

Cover

50% Vectran® / 50% Polyester
32-plaited

Construction

32-plaited

Core

Dyneema® SK78 with
XTR-Grip-Coating Silver

Colours



263
Beige-Steelblue



419
Beige-Orange

BIO-BASED
DYNEEMA®

Vectran™

LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

NEW





LIROS Offroad XTR 04010

The world first LIROS XTR Offroad!
100 % Vectran® winch rope special braid with utility patent protected end connection without metal parts. The easy-to-use LIROS Soft Shackle ensures a permanently secure connection.

- Flexible and lightweight with extreme breaking load
- Permanently integrated high-strength LIROS Soft Shackle
- Constructed from high-tech material Vectran® extremely heat resistant
- Low noise and easy handling
- Minimal (Minimize the) risk of injury due to use of 100% textile fibers
- No metal components to prevent scratching the paint
- Signal colour „red“ for safe and fast work in the field and in poor visibility
- Registered design (DPMA)

Ø mm	Breaking strength kg	Weight kg / pce.	Length m
9,4	9000	2,4	27
11	10800	2,7	20

Material 100% Vectran® with XTR-Coating
Construction 12-plaited

Colour
 638 Red

Vectran™ 

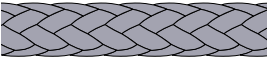
LIROS Offroad Winch Rope 01481

Specially-designed recovery rope for extreme winch applications. Perfect replacement for wire cable. Strong and 10x lighter than steel, LIROS Offroad Winch Rope offers perfect performance and safety. Ready-to-use: carabine hook on one end, plus 2 movable protective jackets for friction points. Winchend: special flat terminal for winch drum attachment, protected by 3 m heat resistant monofilament braid.

- working stretch < 1 %
- extremely high breaking load with smallest diameter and lowest weight
- Two 1 m protective jackets
- ideal replacement for steel cable
- very easy to splice
- high UV stability and abrasion resistance
- LIROS Heat-Stretch-System

Reference	Ø mm	Length m	Winch size t	Breaking strength rope kg
01481-0602	6	20	1,3	4000
01481-0603	6	30	1,3	4000
01481-0801	8	30	4,3	5500
01481-0802	8	40	4,3	5500
01481-1001	10	30	4,3	8500
01481-1002	10	40	4,3	8500

Hook breaking strength: 2.5t safe working load

Colour
 316 Carbon

LIROS HSS
ultra high strength
LIROS LCS
LIROS Coating System

Material ultra high-strength HMPE



* Winner in "4X4 Action" Magazine for real offroaders. 6 other winch lines tested (4/2014 issue)

LIROS Offroad Towing Rope

LIROS Offroad Towing Rope has been specially designed by LIROS to withstand extremely high forces during dynamic towing (e.g. in sand). The line make it possible to drag stranded SUVs out of the toughest situations. Both ends eye with protective sleeve of abrasion resistant Polyester

- double-ended eyes with protective sleeve
- up to 30% stretch under shock loading
- extremely easy to handle under working conditions
- custom lengths available

Colours



188
Black



228
White

Material
high-tenacity Polyamide

Construction
8-strand octoplat

Reference	Ø mm	Breaking strength kg	Length m
01058-2401	24	9500	5
01058-2402	24	9500	8
01058-2403	24	9500	12
01058-2404	24	9500	15
01058-2800	28	12000	9



LIROS Offroad Performance

**01481
-1201**

LIROS XTR Towing has been developed in collaboration with the best teams in international desert rallying. Successfully tested with the most prestigious teams. LIROS XTR Towing is 100% textile high-strength material. It replaces heavy wire ropes and steel fittings. The two integrated LIROS Soft Shackle enable a fast and secure connection. Best handling thanks to low weight.

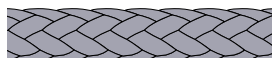
- Flexible and lightweight with maximum breaking load
- Two integrated high-strength LIROS Soft Shackles
- Registered design (DPMA)
- Low noise and easy handling
- Minimize the risk of injury due to use of 100% textile fibers
- No metal components to avoid scratching the paint

Ø mm	Breaking strength kg	Weight kg/pce.	Length of spool m
12	13000	1,3	12



LIROS HSS
with 100% High-Strength System
LIROS LCS
with 100% LIROS Coating System

Colour



316
Carbon-Red

Material 100% HMPE with XTR-Coating
Manufacture Both ends LIROS Special Soft Shackle

LIROS Offroad Shackle

LIROS Offroad Shackle combines exceptional flexibility and super light weight with enormous breaking load. Extremely abrasion resistant protective sleeve specially developed for off-road use gives this shackle tremendous durability and massive holding power. A must for offroaders.

- super lightweight and easy to handle
- high breaking load
- can't open accidentally under load
- reduces risk of injury
- premium LIROS quality



LIROS HSS
with 100% High-Strength System
LIROS LCS
with 100% LIROS Coating System

Colour



316
Carbon

Material 100% Dyneema®
Protective sleeve Polyester

Reference	Ø mm	Breaking strength kg	Working load kg
00146-0077	10	7000	4000
00146-0078	12	12000	7000
00146-0079	14	20000	12000
00146-0317	16	35000	21000



OFFROAD



LIROS Dyneema® Braid

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

- working stretch < 1 %
- extremely strong
- very low stretch
- available in diameters from 0,06–24 mm
- custom lengths, construction, and colour impregnation available
- 500m X-Spool standard

Material Dyneema®



Colour



Reference	Ø mm	Breaking strength kg	Construction	Length of spool m
00148-0006	0,06	3,8	3-plaited	500
00148-0014	0,14	8,0	3-plaited	500
00148-0018	0,18	11,5	3-plaited	500
00148-0024	0,24	16	6-plaited	500
00148-0030	0,3	25	6-plaited	500
E0148-0049	0,49	46	12-plaited	1000
E0148-0058	0,58	80	16-plaited	1000
E0148-0079	0,79	104	12-plaited	1000
E0148-0085	0,85	130	16-plaited	1000
E0148-0110	1,1	170	12-plaited	1000
E0148-0111	1,1	200	12-plaited	1000
E0148-0151	1,5	300	12-plaited	1000
E0148-0161	1,6	400	12-plaited	1000
E0148-0201	2,0	700	12-plaited	1000

Additional diameters available upon request.

LIROS D-Steel

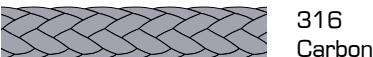
01481

With this line LIROS guarantees highest breaking strength and lowest elongation values with all diameters, best abrasion resistance, low weight and easy spliceability. Enabling new and innovative solutions in forestry and arboriculture. Optimal as replacement of steel ropes in various technical applications.

- working stretch < 1 %
- very high breaking load with smallest diameter and lowest weight
- first choice for all applications with extreme loads
- 10x lighter than steel
- excellent spliceability, can also be used with cover
- high UV stability and durability
- water repellent
- LIROS Heat-Stretch-System

Ø mm	Breaking strength kg	Length of spool m
8	6800	100/as required
10	10500	100/as required
12	14500	100/as required
14	17500	100/as required
16	22000	100/as required
18	26000	100/as required
20	32000	100/as required
22	38000	100/as required
24	44000	100/as required
26	50000	200 (coil)

Colour



Material ultra high-strength HMPE
Construction 12-plaited, heat set and coated

**LIROS Aramid****00144**

Very low stretch, durable and strong Aramid rope with Polyester cover for optimal UV and abrasion resistance.

- *working stretch < 1,5%*
- *strong*
- *extremely low stretch*

Twaron®

The power of Aramid

Cover
Polyester

Construction
up to 2.5 mm 16-plaited
3.5 mm and up 1:1 plaited

Core
braided Aramid

Colours

236
White-Red



525
Black NF

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

LIROS Aramid Cord**00147**

Extremely strong and low-stretch cord for specialised industrial and leisure applications. Extremely strong, low stretch, with high heat resistance.

- *working stretch < 1,5%*
- *very good steel cable replacement*
- *customised lengths available*
- *additional diameters available upon request*

Colour

059
Yellow

Material
braided Aramid

Twaron®

The power of Aramid

Ø mm	Breaking strength kg	Con-struction	Length of spool m
0,4	45	6-plaited	500
0,9	80	6-plaited	500
1	100	16-plaited	500
1,5	135	8-plaited	500
2,1	290	8-plaited	500
3	560	8-plaited	500
4	700	8-plaited	500
5	1000	8-plaited	250
6	2000	8-plaited	200

LIROS Polyester Spiral Braid**01045**

Flexible high-strength Polyester rope. Very UV- and abrasion resistant and will not stiffen up.

- *working stretch < 10%*
- *custom lengths available*

**Colour**

228
White

Material
high-tenacity Polyester

Construction
spiral-plait

Ø mm	Breaking strength kg	Length of spool m
3	160	500
4	280	500
5	435	250
6	670	200
8	840	200
10	1500	200
12	2200	200
14	3600	150



8-plaited

16-plaited

LIROS Polyester Braid

01040 / 01038

High-strength Polyester rope. Flexible, very UV- and abrasion resistant. Will not stiffen up.

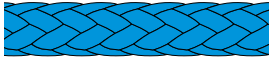
- working stretch < 10%
- custom lengths available

Material
high-tenacity Polyester

Construction 01040
1 mm - 1,5 mm
6-plaited
2 mm and up
8-plaited

Construction 01038
16-plaited with core

Colours 01040



010
Blue



059
Yellow



086
Green



171
Red



188
Black



228
White

Colour 01038



228
White

	Ø mm	Breaking strength kg	Length of spool m
White & Colour	1	45	500
	1,5	65	500
	2	100	500
	2,5	150	500
	3	200	500
	4	330	500
	5	500	250
	6	800	200
	8	1150	200
	10	2000	200
	12	2900	200
	14	3900	150
White & Black	16	4200	100



8-plaited

16-plaited

LIROS Polyamide Braid

01025 / 01030 / 01027

High strength Polyamide Cord. Highly elastic and flexible, very UV- and abrasion resistant.

- working stretch < 15%
- custom lengths available

Material
high-tenacity
Polyamide

Construction
01025 / 01030
0,5 mm - 1 mm
6-plaited
1,5 mm and up
8-plaited

Construction
01027
16-plaited
with core

Colour 01025



228
White

Colour 01027



228
White

Colours 01030



010
Blue



059
Yellow



086
Green



171
Red



188
Black

	Ø mm	Breaking strength kg	Length of spool m
01025 / 01030			
White	0,5	15	500
White & Colour	1	50	500
	1,5	65	500
	2	115	500
	2,5	160	500
	3	200	500
	3,5	300	500
	4	350	500
	5	570	250
	6	880	200
	8	1600	200
	10	2400	200
	12	3200	200
White & Black	14	3600	150
	16	4300	100
01027			
White	1,5	50	500
	2	110	500
	2,5	190	500
	3	240	500
	4	400	500
	5	590	250
	6	1000	200
	8	1800	200
	10	2800	200





LIROS Polyamide Spiral Braid

01035 / 01036

Spiral plaited Polyamide Cord. Round, flexible, high stretch and very UV-resistant.

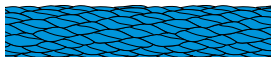
- *working stretch < 20%*
- *custom lengths available*

Colour 01035



228
White

Colours 01036



010
Blue



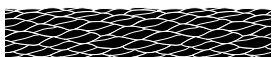
059
Yellow



086
Green



171
Red



188
Black



Material
high-tenacity
Polyamide

Construction
spiral braiding

Reference	Ø mm	Breaking strength kg	Length of spool m
01035	2	90	500
	2,5	120	500
	3	160	500
	3,5	210	500
	4	290	500
	5	450	250
	6	600	200
01036	8	1000	200
	10	1800	200
	12	2200	200
	14	2800	150
	16	3600	100
	3	160	100
	4	290	100
	5	450	250
	6	600	250

8-plaited

LIROLEN Braid

01070 / E1070 / 01075

High-strength Polypropylene multifilament, good UV resistance, floats.

- *working stretch < 12%*
- *UV-stabilised*
- *custom lengths available*

Construction 01070

Ø 1 – 16mm

1 mm 6-plaited
2mm and up 8-plaited

Colour 01070



228
White



Construction E1070

Ø 2 – 16mm

16-plaited with core

Colour E1070



228
White

Construction 01075

Ø 3 – 16mm

spiral braid

Colour 01075



228
White

Material
high-tenacity
Polypropylene
multifilament

Ø mm	Breaking strength kg 01070/E1070	Breaking strength kg 01075	Length of spool m
1	30	–	500
2	75	–	500
3	140	90	500
4	280	140	500
5	390	200	250
6	550	310	200
8	1000	600	200
10	1300	1100	200
12	1600	1700	200
14	2000	2000	150
16	3300	2600	100



LIROS Coloured Polypropylene Braid

01072

Spun-dyed Polypropylene multifilament. Economical with wide variety of use.

- working stretch < 12%
- UV stabilised
- 6mm and up with blue/gold flecks
- custom lengths available

Colours Ø 1-5 mm (NF)

	525 Black
	526 Blue
	527 Green
	530 Red
	536 Yellow
	539 Orange
	541 Grey
	543 Brown

Colours Ø 6-16 mm

	010 Blue
	059 Yellow
	086 Green
	150 Orange
	171 Red
	188 Black
	541 Grey NF
	543 Brown NF

Ø mm	Breaking strength kg	Length of spool m
1	30	500
1,5	38	500
2	70	500
3	140	500
4	280	500
5	390	250
6	550	200
8	900	200
10	1230	200
12	1700	200
14	2000	150
16	3700	100



Material
spun-dyed
Polypropylene multifilament

Construction
8-plaited

LIROS Nautic Hollow Braid 01072

All-purpose spun-dyed Polypropylene multifilament. Very easy to splice, floats. 16-plaited hollow braid.

- working stretch < 15%
- very easy to splice
- durable and UV stabilised

Colours

	525 Black		530 Red		542 White
	526 Blue		536 Yellow		543 Brown
	527 Green				



Material spun-dyed Polypropylene multifilament

Construction 16-plaited without core



LIROS Venetian Blind Cord

20140 / 20145 22140 / 22145

100% Polyester from 2.5mm with core, tight braided. UV- and abrasion resistant.

- round, dimensionally stable braid
- custom lengths and colours available

Material high-tenacity Polyester

Construction 16-plaited with core

Colour 20140 / 20145



228
White

Colour 22140 / 22145



188
Black



LIROS Starter Cord

10145 / 10445

Special twist and compact braid construction for extreme abrasion resistance.
100% Polyamide. Durable and high stretch to minimise recoil.

- special impregnation upon request (Ref. 10445)
- custom lengths available

Material high-strength Polyamide

Construction 16-plaited without core

Colour 10145



228
White

Colour 10445



418
White, impregnated



LIROS All-Purpose

01060 / 01061

Economical, floating all-purpose line in UV-stabilised Polypropylene fibres.

Material 01060 Polypropylene monofilament

Material 01061 Polypropylene split-fibre

Construction 8-plaited

Colour 01060



150
Orange

Colour 01061



021
Blue-White



Reference	Ø mm	Length of spool m
20140 / 22140	0,8	500
	1	500
	1,5	500
	1,7	500
	2	500
20145 / 22145	2,5	500
(with core)	3	500
	3,5	500

Ø mm	Length of spool m
3	500
3,5	500
4	500
4,5	500
5	250
6	200

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

**LIROS Sky****01002**

Powerful, ultra-light weight single rope, designed for experienced/aggressive climbers. Manufactured according to **DIN EN 892**. CE approved.

- impact force (80 kg) 7.3 kN
- UIAA rated 10 falls (norm ≥ 5 falls)
- LIROS DryRope System
- extremely resistant against sharp edges
- weight: 63 g/m
- black midpoint marking
- durable easy handling
- twist-free
- dynamic stretch: 38 %
- 80 kg stretch factor: 9.7 %
- cover movement: 0 mm
- cover ratio: 41 %

Reference	Ø mm	Length m
01002-0970	9,7	200
01002-0971	9,7	60
01002-0972	9,7	70



LIROS DRS
..... Dry Rope System

Material Polyamide high-strength

Colours

507
Blue-Red-Yellow



502
Blue-Green-Orange

Single rope: 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 favourite among sport climbers.

LIROS Wall**01004**

Powerful single rope specially designed for the indoor climber. Sturdy, abrasion resistant cover. Perfect cost-benefit balance. Manufactured according to **DIN EN 892**. CE approved.

- impact force (80 kg) 8.4 kN
- UIAA rated 8 falls (norm ≥ 5 falls)
- extremely low core-cover movement
- extremely resistant against sharp edges
- weight: 71 g/m
- strong and easy to handle
- twist-free
- dynamic stretch: 36 %
- 80 kg stretch factor: 8.5 %
- cover movement: 0mm
- cover ratio: 47 %

Reference	Ø mm	Length m
01004-1050	10,5	200
01004-1051	10,5	40



Material Polyamide high-strength

Colours

015
Blue-Green



081
Grey-Green



328
Green-Red



503
Olive-Light Green

100 % longer useful life for indoor ropes! Today indoor climbing walls are nearly everywhere. With top roping, the rope is nearly continuously in the same location and is subject to frequent, small drops. LIROS has developed an abrasion-resistant cover to extend the life of the rope compared to standard climbing lines. Perfect cover-core attachment to eliminate the „sock effect“ where the cover becomes shorter than the core. The cover doesn't have to be shortened!



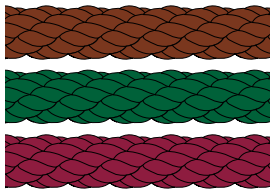
LIROS Barrier Colour

01160 / 01161

Visually appealing cable braid, specially designed for stairways and cordoned areas.

- Ø 28–30mm
- *custom lengths available*

Colours 01160



044
Dark Brown
046
Dark Green
049
Dark Red

Colour 01161



188
Black

Material 01160
Material 01161

Acrylic yarn
Spun Polyester

Construction

4-strand cable braiding



LIROS Barrier Classic

1140D / 0114D

Cable braided rope, specially designed for stairways and cordoned areas. Poly-hemp has the same good grip as hemp, but is even softer and more weather-resistant.

- *abrasion resistant*
- *easy to splice*
- *custom lengths available*
- *1140D ideal for outdoor use*



Ref. 1140D



546
Hemp NF

Material spun Polypropylene rope yarn
Construction 4-strand cable twist
Length 50m spool
Diameter 28–30mm

Ref. 0114D



546
Hemp NF

Material natural spun Hemp
Construction 4-strand cable twist
Length 50m spool
Diameter 28–30mm

Ref. 01141–3500



546
Hemp NF

Material spun Polypropylene rope yarn
Construction 4-strand coil twist
Length 100m coil
Diameter 35mm

**LIROS Seastar Classic****00173**

Premium high-grip, natural-coloured cover-core sheet for traditional yachts.

- *working stretch < 6%*
- *high-grip, easy to handle*
- *high-end, classic look*
- *available with low-stretch Dyneema® core for racing applications (Ref. 02520)*

Colour

546
Hemp NF

Cover

matt Polyester yarn

Construction

6 – 8 mm	16-plaited
10 – 12 mm	20-plaited
14 mm and up	24-plaited

Core

high-tenacity braided Polyester

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**

Premium high-grip, natural-coloured 3-strand rope for traditional yachts. Durable and abrasion resistant.

- *working stretch > 15%*
- *high-grip, very easy to handle*
- *premium appearance*

Colour

546
Hemp NF

Material

matt Polyester yarn

Construction

3-strand

Ø mm	Breaking strength kg	Length of spool m
3	100	250
4	170	250
5	250	250
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 the ideal line for classic sailors with ambition. Combines the high abrasion resistance and durability of synthetic fibres with the classic look of hemp ropes.

- *working stretch > 8%*
- *durable and UV stabilised*
- *acid- and base-resistant*
- *very abrasion resistant*
- *spliceable*
- *floatable*
- *only available in 220m coils*

Colour

705
Beige NF

Material

high-tenacity Polypropylene fibre

Construction

3-strand



LIROS Historic

01140

Looks like hemp, but softer, more weather-resistant, and better durability, UV resistant.

- *working stretch > 15%*
- *easy to splice*
- *soft, good grip*
- *classic appearance*
- *weather-resistant*
- *floatable*

Colour

546
Hemp NF

Material

spun Polypropylene yarn

Construction

3-strand



Ø mm	Breaking strength kg	Length of coil m
10	1600	220
12	2250	220
14	3100	220
16	3850	220
18	4900	220
20	5900	220
22	7100	220
24	8300	220
26	9550	220
28	10900	220
32	13750	220

Ø mm	Breaking strength kg	Length of spool m
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



LIROS Hemp Cord

00310

100% natural hemp for a classic appearance.

- *Perfect for decorative applications*
- *environmentally friendly*
- *naturally bio-degrades*

Colour



546
Hemp NF



Material

Natural hemp

Construction

8-plaited

Ø mm	Length of spool m
1,5	500
2	500
2,5	500
3	500
3,5	500
4	500
4,5	500
5	250
6	200
8	200
10	200
12	200
14	150
16	100

LIROS Hemp Rope

00114

100% natural hemp, according to **DIN EN 1261** (previously DIN 83325).

- *high grip*
- *environmentally friendly*
- *naturally bio-degrades*

Colour



546
Hemp NF

Ø mm	Breaking strength kg	Length of spool m
6	285	200
8	450	200
10	700	200
12	1080	200
14	1375	150
16	1825	100
18	2250	100
20	2780	100
22	3240	100
24	3980	100

Material

Natural hemp

Construction

6mm 3-strand
8mm and up 4-strand





8-plaited



16-plaited

LIROS Cotton Cord**00510 / 00512**

100% natural cotton.

- soft and high grip
- environmentally friendly
- naturally bio-degrades

8-plaited140
Natural**16-plaited without core**140
Natural

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

Material
Cotton**Construction 00510**
8-plaited**Construction 00512**
16-plaited
available in Ø 2-12 mm**LIROS Sisal Rope****00113**

100% natural, cropped sisal.

- compact
- environmentally friendly
- naturally bio-degrades

Colour140
Natural

Ø mm	Breaking strength kg	Length of spool m
6	310	200
8	425	200
10	560	200
12	840	200
14	1100	150
16	1490	100

Material
Sisal**Construction**
6 mm 3-strand
8 mm and up 4-strand



LIROS Rigger Bag 00146-0056

Premium splicing kit for the professional sailor. Contains all the splicing tools and accessories needed to work on all known LIROS yachting rope types.

- ext. dimensions: 41x31x10cm
- laptop compartment for devices with display size up to 17 inch

Contains:

- 1x LIROS Whipping needle
- 1x swedish fid
- 3x splicing needles (5.5–7.5–10 mm)
- LIROS USB-Stick with splicing instructions
- LIROS-Tape
- Dyneema® whipping twine
- 1x pen
- 1x lighter

LIROS Protect

Perfect protection for mooring lines up to 30 mm diameter. To be fixed with or without wire ties for flexible adjustment at the rope.

- width 37 mm for ropes up to 16 mm
- width 60 mm for ropes from 18 mm up to 30 mm diameter
- LIROS Protect is available in pieces or provided on reels

Reference	Ø mm	for rope Ø	Length m
00146-0272	37	8–16	50 (spool)
00146-0273	37	8–16	2x0,75 (kit incl. cable ties)
00146-0274	60	18–30	50 (spool)
00146-0275	60	18–30	2x0,75 (kit incl. cable ties)



LIROS Connect

00104

Extremely safe – extremely easy – extremely strong.
A high-quality alternative to common forest winch attachments. Simply loop your rope around LIROS Connect and attach your hook for a professional installation. Can be done by any user directly on-site.

Reference	00104-0001	00104-0002
Rope diameter	10 mm	12–16 mm
Max. load	5t	10t
Pin diameter:	16,5 mm	21,5 mm
Distance between end plates	50 mm	57 mm
End plate diameter	36,5 mm	53,5 mm



Usage example (rope and hook not included)

LIROS Swedish Fid

00143

Classic, reliable splicing tool for 3-strand and square-braided ropes.

- 00143-0005 – up to 12mm
- 00143-0006 – 14mm and up



00143-0005



00143-0006

LIROS Whipping Needle

00143-4000

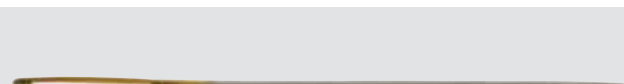
LIROS Splicing Department-approved needle for splicing and whipping lines up to 4mm. Usable without sailmaker gloves. Saves time and energy while whipping any kind of rope.



LIROS Mirco-Splicing Needle

00143-4001

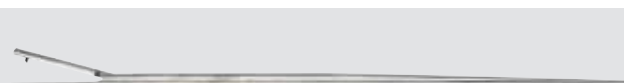
Ideal for splicing hollow braided kite and paragliding lines from 0,6mm up to 1,1 mm. 6 pieces per package.



LIROS Splicer Pro

00143

The professional tool for our LIROS splicing department – ideal for all core-cover splices.



Reference	Size	Splice mm*	Measurements mm
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00143-1000	S	4–8	180x6
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00143-2000	M	10–12	300x8
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00143-3000	L	12–14	335x9
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00143-3050	XL	16–20	260x12
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00143-5008	XXL	22–28	500x18
------------	-----	-------	--------

*depends on the rope plait



LIROS XTR-Finish

00146-0057

LIROS XTR-Finish is the perfect coating for additional protection against abrasion and UV effects on all kind of ropes (Polyester, Dyneema®, Zylon®). LIROS XTR-Finish comes in 250 ml bottles.

- ready to use
- increased UV-protection
- easy-to-clean, water-based solution
- each package: 1 x 250ml bottle, 1 sponge
- Colours: 010 Blue, 059 Yellow, 078 Grey, 086 Green, 171 Red, 220 Transparent

LIROS

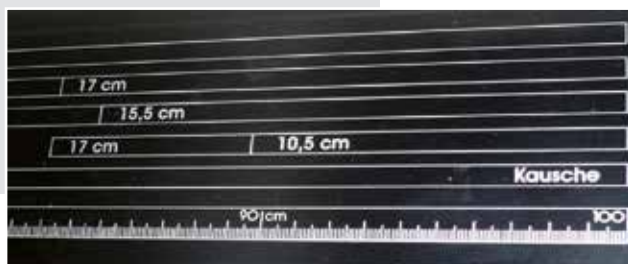
Splicing Needle Set

00143

Five premium stainless steel splicing needles, perfect for splicing ropes from 4–14 mm in diameter. Suitable for twisted and for plaited lines. Comes in a convenient plastic tube with screw-top.

Reference	Size	Content	for rope Ø mm
00143-5004	Standard	set of 4	4–14 mm
00143-5011	Dinghy	set of 2	4–6 mm
00143-5012	Cruising	set of 2	8–14 mm

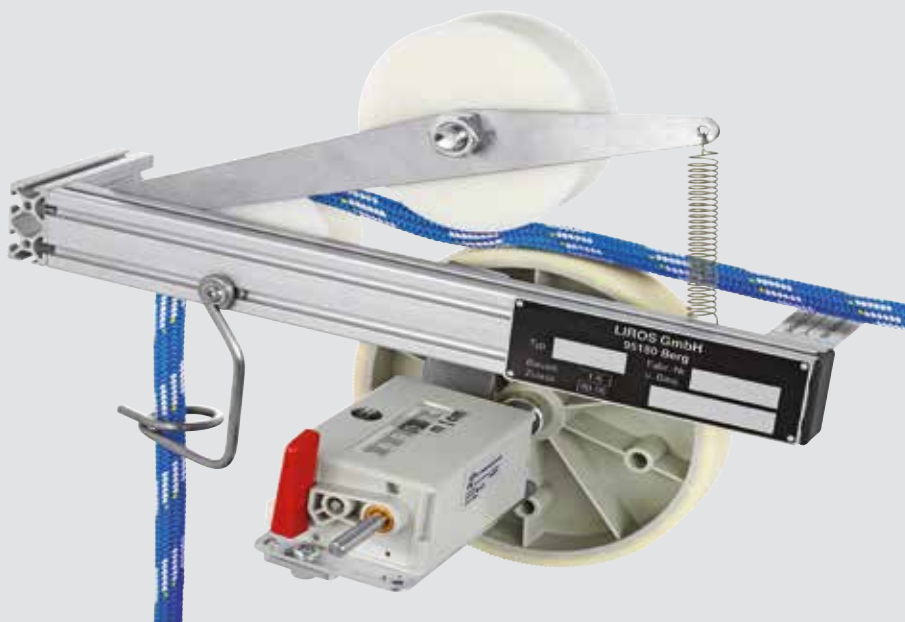




LIROS Splicing Bench 00146-0106

Professional splicing bench designed by LIROS to provide perfect working conditions for professional splicing and rigging. Features Antal-W48ST aluminium winch for pretensioning ropes. Special LIROS anchor point for making eye splices.

- (l) 2,00m x (w) 0,80m x (h) 1,20m
- also available without winch
- with detailed fid-length stencil for optimal splice lengths



LIROS Rope Measuring Gauge 00138

High quality and robust construction. For plaited cords, plaited lines and ropes with diameters between 3mm and 20mm. For wall mounting.

- size: 43 x 26cm
- weight: 2,9 kg
- chromed

LIROS Heat Cutter 00146

Cutting and sealing synthetic ropes and lines. 21 mm cutting edge.

- 60W rating
- for adult use only
- 00146-0000 Heat cutter
- 00146-0001 Replacement blade



LIROS Heat Cutter Pro 00146

For professional use. Cutting and sealing of synthetic ropes and lines. 40mm cutting edge. Quick setup and cutting edge heating.

- 120 W rating
- for adult use only
- 00146-0276 Heat Cutter Pro
- 00146-0018 Replacement blade



LIROS Scissor Pro 00146-0277

Specially designed to cut Dyneema®, Vectran®, Aramid, PBO. Micro-serrated.

- total length 16 cm
- cutting length 3 cm
- for adult use only



LIROS Ceramic Pro 00146-0278

Top quality riggers knife for clean dry cuts. Perfect for cutting Dyneema®, Vectran®, Aramid, PBO.

- blade length: 11 cm
- very high precision
- razor sharp
- rust resistant
- non-magnetic
- very lightweight
- CAUTION: Do not drop! May break!





LIROS Rope Display

00135

Premium free-standing or wall-mount rope display. Guarantee for superior presentation of LIROS rope. Premium powdercoated brush metal appearance.

Reference	Description	pieces required for one free- standing display	pieces required for one wall display
00135-3001	Side element (175 cm height)	4	2
00135-3002	Extension (80 cm height)	(4)	(2)
00135-3003	Top for headline (25 cm height)	4	2
00135-3004	Bars (92 cm width)	12	6
00135-3005	Reinforcement braces (2-piece)	1	–
00135-3006	Advertising sign (92 cm width/ 25 cm height)	2	1





LIROS Infoboard

00135-3012

LIROS Infoboard ensures optimal presentation of LIROS products at the point of sale. The detailed, individual description of each LIROS rope product facilitates and supports the salesperson on site. Fits LIROS Rope display.

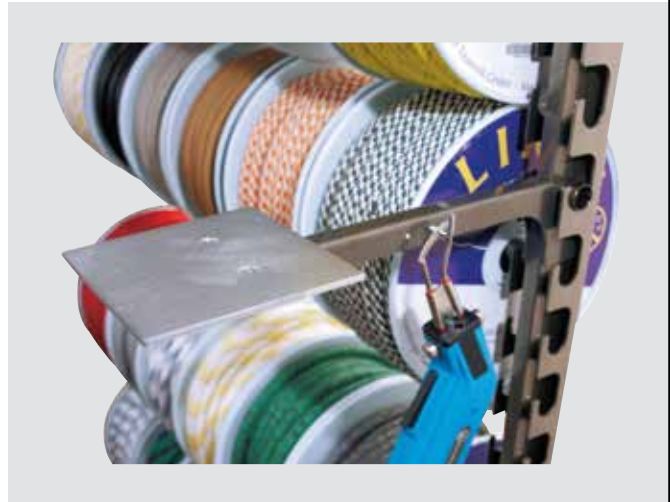
Contents:

- 1 x Infoboard
- 2 x self-adhesive marking strips
- 1 x cover sheet for product cards
- 1 x rubber cord 105 cm
- 1 x fitting instructions
- width: 90 cm/ depth: 43 cm
(exceeding the bars by 26 cm)

LIROS Cutting Plate **00135-3015**

Variable fixable cutting plate. Includes two hooks for hanging the heat cutting device, scissors, etc. Keeps order on LIROS Rope Displays.

- *Measurements: [w] 13 cm x [d] 37 cm*



LIROS Counter Display

00146-0016

Premium silver powder-coated metal display for optimal presentation at the point of sale.

Can be fitted with 4 sales packages e.g. Magic Sport, Trimline or whipping twine (see page 44-46).

- *Colour Silver*



LIROS Flag

Reference	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 Coffee Cup 00146-0029



LIROS Backpack

High quality LIROS backpack with a storage capacity of 20 litres.

- one large main + two side compartments
- padded back
- adjustable shoulder straps and chest strap

Reference	Capacity L
-----------	---------------

00146-0318

20





LIROS Sticker

	Reference	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
⑤	00146-0048	Ø 9 cm

LIROS Canvas Sticker

	Reference	Measurements
⑥	00146-0216	Ø 40 cm
⑦	00146-0205	Ø 25 cm
⑧	00146-0215	Ø 20 cm
	00146-0214	Ø 15 cm



LIROS Carpet

Premium LIROS doormat.
Easy to clean.

Reference	Measurements
00146-0075	60 x 40 cm
00146-0040	85 x 120 cm



Recommended Line Diameters

Regatta										
sail surface (m²)	10	20	30	40	50	60	70	80	90	100
Racer-XTR 02008	–	–	8	8	8	10	10	12	12	14
Racer Hybrid 02026	–	–	8	8	8	10	10	12	12	14
Racer Vision 02027	–	–	8	8	8	10	10	12	12	14
Racer 02001	–	6	8	10	10	12	12	14	14	16
Regatta 02000	5	6	8	10	10	12	12	14	14	16
Dynamic 02004/02028	6	8	10	12	14	14	14	–	–	–
D-Pro 01505/01508	4	5	6	8	8	9	9	10	12	14
Control-XTR 02024/02224	5	6	8	8	8	10	10	12	12	14
V-Force 04000	6	8	8	10	12	–	–	–	–	–

Cruising										
sail surface (m²)	10	20	30	40	50	60	70	80	90	100
Racer 02001	–	6	8	10	10	12	12	14	14	16
Regatta 02000	5	6	8	10	10	12	12	14	14	16
Dynamic 02004/02028	6	8	10	12	12	14	14	–	–	–
Top Grip 01540	6	8	10	12	14	14	14	–	–	–
Herkules 00154/01550/01552	6	8	10	12	14	14	14	16	16	18
Top-Cruising 00152/01528	6	8	10	12	14	14	14	16	16	18
Prestretch 00121/00122	6	8	10	12	–	–	–	–	–	–
Allround 00151	8	10	12	14	14	16	–	–	–	–
Seastar 00162/00172	6	8	10	12	14	14	16	18	18	–

For guy ropes, choose a heavier diameter



Always choose the right stopper based on your line's diameter.
The wrong stopper size can damage your line.

Recommended Mooring Lines



Mooring Lines

	Boat Size (ft)	20–27	33	40	46	52–60	65–73	78–85	90–105	110–118	124–131
	Boat Size (m)	6–8	10	12	14	16–18	20–22	24–26	28–32	34–36	38–40
	Displacement (t)	< 1	2	5	12	20	25	30	40	70	> 80
catalogue		Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
22	Super Yacht Mooring 01300	–	–	–	–	–	–	–	24	24	28
24	Porto 00133	10	12	14	16	18	20	22	24	–	–
25	Squareline 01047/01049	10	12	14	16	18	20	22	24	26	28
27	PES-3-strand 00111/01110	10	12	14	16	18	20	22	24	26	28
26	Holiday 01083	12	14	16	–	–	–	–	–	–	–
26	Moorex 12 00132	12	14	16	18	20	22	24	26	28	30
29	Latina 00110	10	12	14	16	18	20	22	22	24	26
23	Handy Elastic 00136/00137	10	12	14	16	18	20	22	22	24	26



Always secure any watercraft with at least 4 mooring lines.
Length of lines: Two lines @ 1.5 x boat-length and two lines @ 1.0 x boat-length (m)

INFO

LIROS manufactures materials, which are subject to customary fluctuations. All published technical data are therefore only for general reference and comply with the average results achieved in the manufacturing process. Alterations in design, technology and manufacture are subject to change at any time.

We recommend visual inspection of every line, before and after use. Lines should be removed from use if the load-bearing portion shows evidence of damage, even through normal wear and tear.

Please find safety instructions for LIROS ropes on www.liros.com/support/technical-informationen

LIROS products for personal safety and for lifting loads are specially labelled.

Technical specifications are not binding and do not set the customer free from his duty to check if the products are suitable for the intended operation and purpose.

LIROS splices are guaranteed up to 80% of the stated linear breaking load!!

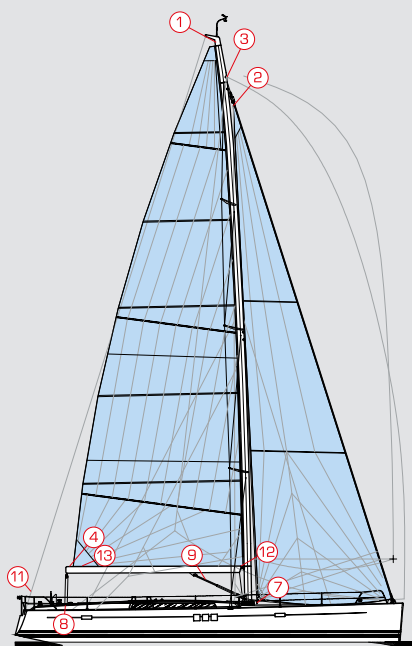
Please find splicing instructions for LIROS ropes on www.liros.com/support/downloads

Care instructions: LIROS quality lines may be washed in mild detergent on „delicate“ cycle at 30°C, packed in a cotton bag.

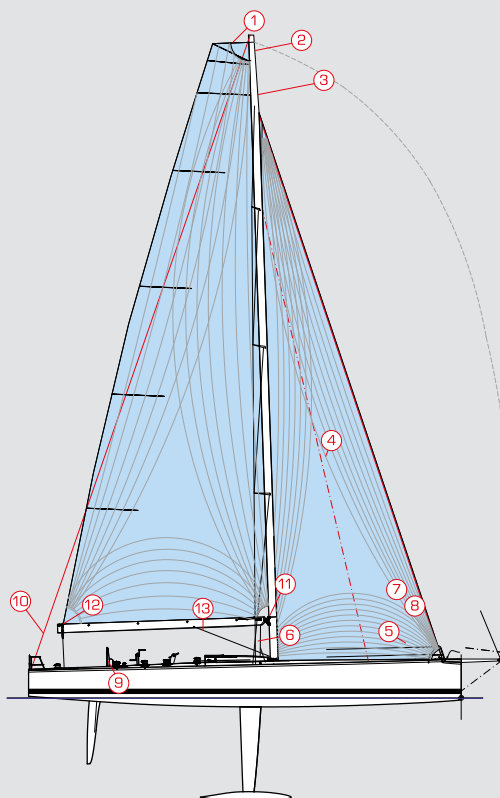
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LIROS usage recommendations



Cruising boat



Racing boat

Our recommendations for LIROS items reflect our many years' experience racing and cruising.

Source: Hanse Yachts / Judel Vrolijk

REGATTA

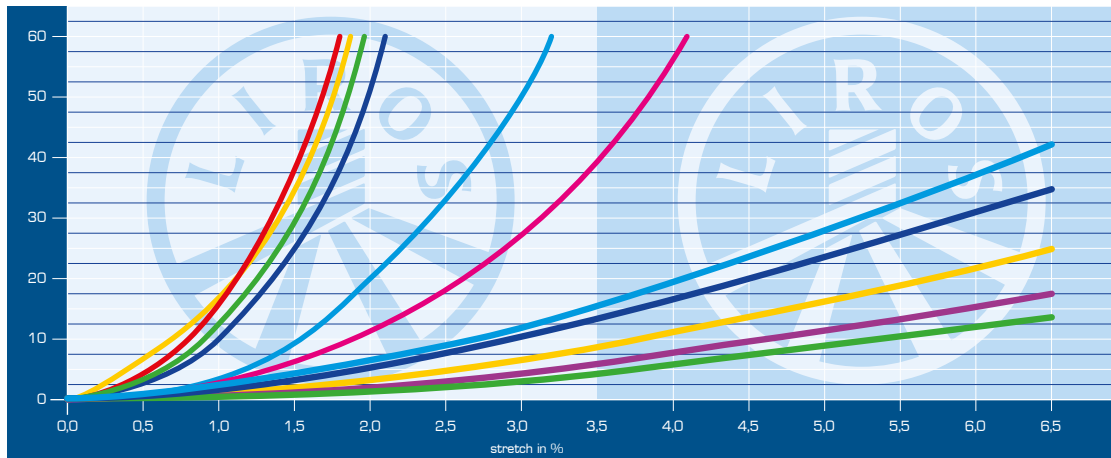
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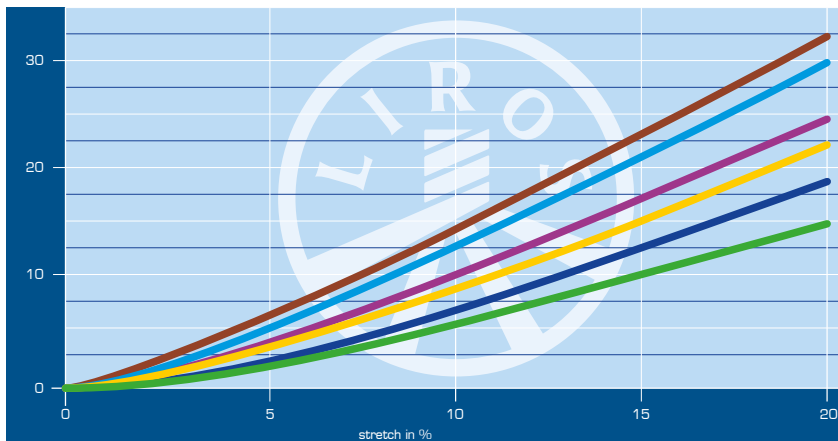
Performance

Cruising



- LIROS V-Force, LIROS V-Plus
- LIROS D-Pro, D-Pro Vision
- LIROS Racer Vision, LIROS Racer Hybrid
- LIROS Racer, LIROS Regatta 2000
- LIROS Dynamic Color
- LIROS Dynasoft
- LIROS Herkules/Herkules Color/Herkules Vision, LIROS Top Grip, LIROS Top Cruising/Top Cruising Color
- LIROS Seastar
- LIROS Prestretch
- LIROS Allround, LIROS Standard
- LIROS Nautic

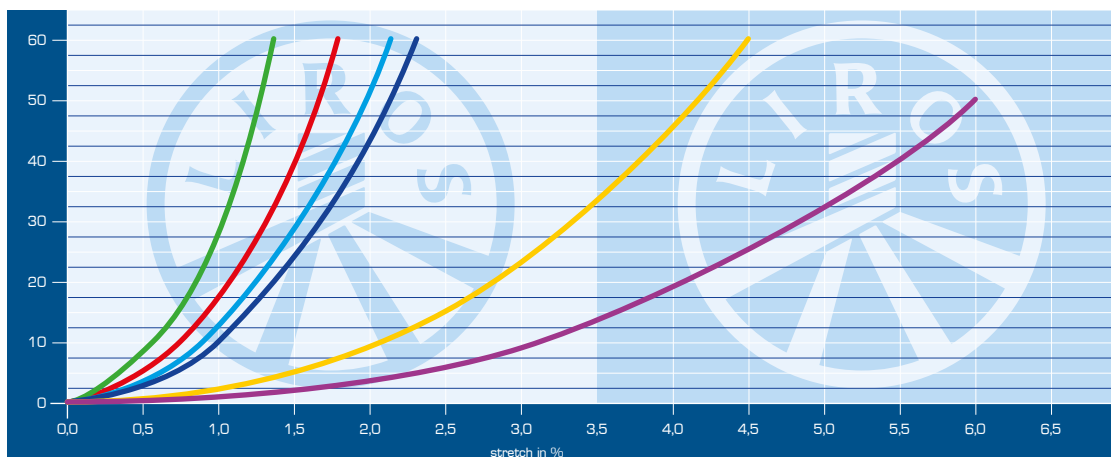
Mooring



- LIROS Squareline PP, LIROS Polyester Rope
- LIROS Polyamide Rope
- LIROS Porto, LIROS Super Yacht Mooring
- LIROS Moorex 12, LIROS Holiday
- LIROS Squareline Polyester
- LIROS Handy-Elastic

Magic Dinghy Performance

Magic

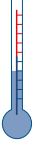


- LIROS Magic XTR, LIROS Magic Control XTR
- LIROS D-Pro, LIROS D-Pro Vision
- LIROS Magic Pro, LIROS Magic Race
- LIROS Magic Edge
- LIROS Magic Sport, LIROS Spi
- LIROS Magic Sheet

Comparing summary of synthetic fibres

Material							
	Polyamide (PA) 6 / 6,6	Polyester (PES)	Polypropylene (PP) multifilament high-strength	Polyethylene high-strength (HMPE)	Aramid	LCP	PBO
Brand	Perlon Nylon			Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
Yarn strength							
cN/dtex	7 – 8	7 – 9	6 – 7	28 – 40	20 – 25	22 – 25	app. 37
Specific weight							
kg/dm³	1,14	1,38	0,91	0,96	1,44	1,41	1,52
Strength loss due to humidity							
%	5 – 10	0	0	0	0	0	0
Water absorption							
%	1 – 7	0,5 – 2	0	0	2 – 5	1	0,6
Knot tenacity (residual value breaking strength)							
%	60 – 65	55 – 60	55 – 65	35 – 50	30 – 40	30 – 35	35 – 55
Light resistance							
	good	very good	adequate	very good	poor	adequate	poor
Breaking stretch							
%	16 – 27	10 – 16	12 – 20	2 – 3	2 – 4	2 – 3	2,5
Abrasion resistance	very good	very good	fair	very good	adequate	very good	adequate

Reaction of synthetic ropes under different conditions

Material							
	Polyamide (PA) 6 / 6,6	Polyester (PES)	Polypropylene (PP)	Polyethylene (PE, HMPE)	Aramid	LCP	PBO
Brand	Perlon Nylon			Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
 Washing temp. °C	40	40	30	30	60	60	60
 Acids (50% concentr.) 25 °C / 100 °C Rest %	17 / 5–10	80 / 0	no reaction	no reaction	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	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction
 Alkalien (Leaches)	resistant against weak alkalis	resistant against weak alkalis at 20 °C	resistant against weak alkalis	resistant	resistant against weak alkalis	resistant	resistant
 Insulating properties	good (when dry)	excellent	excellent	excellent	good (when dry)	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



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