



Unlimited Rope Solutions

Rope Catalogue

2019/20





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 and customer-optimised rope products – for more than 160 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 – YOUR EXCELLENT PARTNER



Production Rope-finishing expertise Made in Germany



Latest technology Essential for producing premium products



Laboratory Technical development of unique rope solutions



Quality control guarantees continuous quality

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 line optimization systems

Unlimited Rope Solutions!

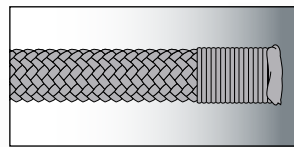
Quality Made in Germany

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.

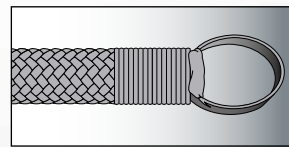


Unlimited Rope Solutions

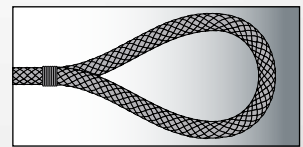
Individual Terminations



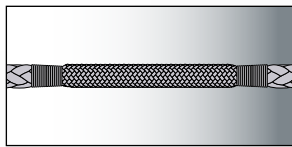
Whipping



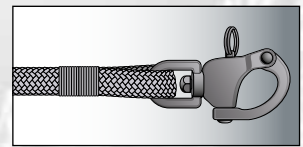
Pilot eye



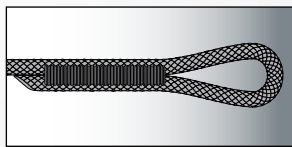
Eye splice



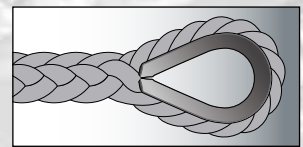
Protective cover



Shackle



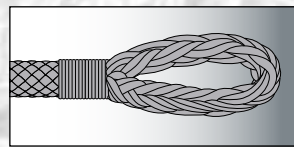
Sewn eye splice



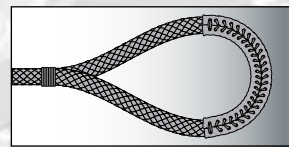
Thimble



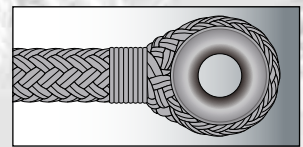
Continuous splice



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.

To learn more about the qualifications of our skilled ropemakers, visit our website at: www.liros.com/en/service-navigation/career

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



XTREME

LIROS Runner PBO-XTR

05008

LIROS Runner PBO-XTR is the rope with ultimate cover for extreme abrasion resistance and high temperature conditions.

- grip factor 5 (page 11)
- XTReMe abrasion resistance
- XTReMe heat resistance, up to 650°C
- melt resistant cover
- excellent power transference through LIROS Grip Coating
- XTReMe low stretch

Ø mm	Weight g/m	Weight Cover g/m	Weight Core g/m	Stretch %	Breaking strength kg
8	52	29	23	< 1,0	6250
10	74	42	32	< 1,0	8000
12	87	40	47	< 1,0	11200
14	141	70	71	< 1,0	14100

Cover

100% Zylon

Construction

32-plaited

Core

Dyneema® SK99

12-plaited

pre-stretched with LIROS

HSS and LIROS LCS

Colour



122 Copper

ZYLON



LIROS HSS
Heat Sealed System

LIROS LCS
LIROS Coating System

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

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

Cover

100% Vectran®

Construction

32-plaited

Core

Dyneema® SK99

12-plaited

pre-stretched with LIROS

HSS and LIROS LCS

Colour



705 Beige NF

Vectran™



LIROS HSS
Heat Sealed System

LIROS LCS
LIROS Coating System



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
Heat Stretch System

LIROS LCS
LIROS Cooling System

Cover

70% Technora®
30% high-ten. Polyester

Construction

32-plaited
4–6mm 16-plaited,
8mm 24-plaited

Core

Dyneema® SK99
12-plaited pre-stretched
with LIROS HSS and
LIROS LCS, 4–6mm
Dyneema® SK78

Colours



239 White-Black



178 Red-Black



090 Green-Black



019 Blue-Black



652 Neon yellow-Black
(4-6 mm)

Ø mm	Weight g/m	Weight Cover g/m	Weight Core g/m	Stretch %	Breaking strength kg
4	11	4	7	< 1%	1100
5	14	7	7	< 1%	1400
6	24	11	13	< 1,0	2800
8	44	20	24	< 1,0	6250
10	60	27	33	< 1,0	8000
12	95	48	47	< 1,0	11200
14	131	60	71	< 1,0	14100
16	167	72	95	< 1,0	17500
18	211	109	102	< 1,0	20400
20	234	111	123	< 1,0	23500
22	270	135	135	< 1,0	27600
24	320	160	160	< 1,0	31500

NEW



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	17000
16	131	< 1,0	22400
18	166	< 1,0	28000

Material Dyneema® SK99

Construction 12-plaited

Colour



205
Silver



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Cooling System



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 sport 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

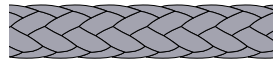


Ø mm	Weight g/m	Stretch %	Breaking strength kg
3	5	< 1,0	900
4	7	< 1,0	1230
5	13	< 1,0	2450
6	23	< 1,0	4050
8	35	< 1,0	5000
10	60	< 1,0	8500
12	72	< 1,0	11300

Material Dyneema® DM20

Construction 12-plaited

Colour



205 Silver

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 (page 11)
- 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 (see page 10)



Ø mm	Weight g/m	Stretch %	Breaking strength kg
2	3	< 0,8	400
3	7	< 0,8	1100
4	10	< 0,8	1500
5	22	< 0,8	3000
6	32	< 0,8	5000
8	48	< 0,8	6800

Material 100% Vectran® with LCS Coating

Construction 12-plaited

Colour



188 Black



LIROS V-Plus Zero

LIROS V-Plus Zero with 100% Dyneema® cover is the perfect forestay material, with complete splicing service from LIROS. Specially developed as a replacement for wire forestays with wheel or ratchet adjusters. Simplifies installation and setup for attachable light-weather genoa stay or storm jib babystay.

- grip factor 3 (page 11)
- Dyneema® for lowest friction
- excellent handling
- low weight
- no creep

Cover
Dyneema® SK78

Construction
32-plaited

Core
100% Vectran® with LCS-Coating



Vectran™

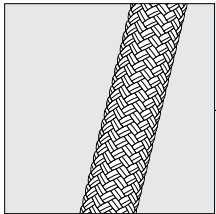
LIROS LCS
LIROS Coating System

Colour 00099-0370

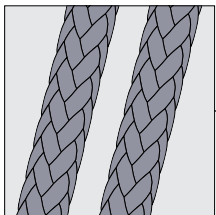


228
White

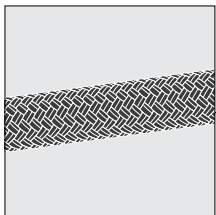
Reference	Ø mm	Weight g/m	Weight Cover g/m	Weight Core g/m	Stretch %	Breaking load kg	Length of spool
00099-0370	11	78	30	48	< 0,8	7000	individual



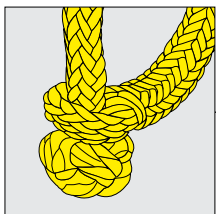
LIROS V-Plus Zero



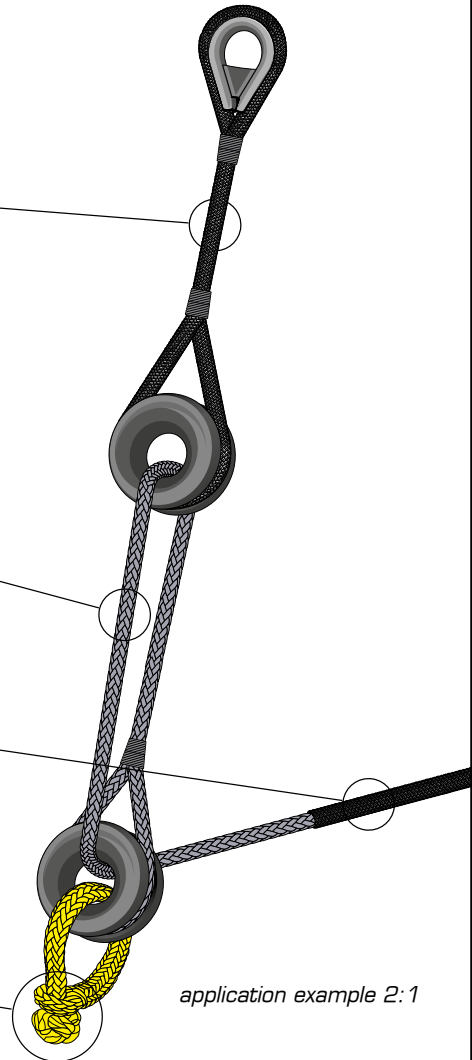
*01505 – LIROS D-Pro
/// page 15*



*04500 – LIROS Grip Protect-XTR
/// page 10*



*00146 – LIROS Soft Shackle
/// page 38*





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

Colour



674 Deep Black

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

Colour



188 Black

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 watersports lines with optimised braiding constructions and best core-cover interaction for optimised grip, high abrasion resistance, minimal stretch as well as extreme breaking load.

1. Grip factor

The LIROS grip factor constitutes one of the most important decision factors for the professional sailor and helps the rigger to select the perfect line with ideal properties. The most diverse requirements in case of grip on winches and in stoppers is paramount in the LIROS XTR-Range. Grip factor is expected to improve during use.

3. Weight

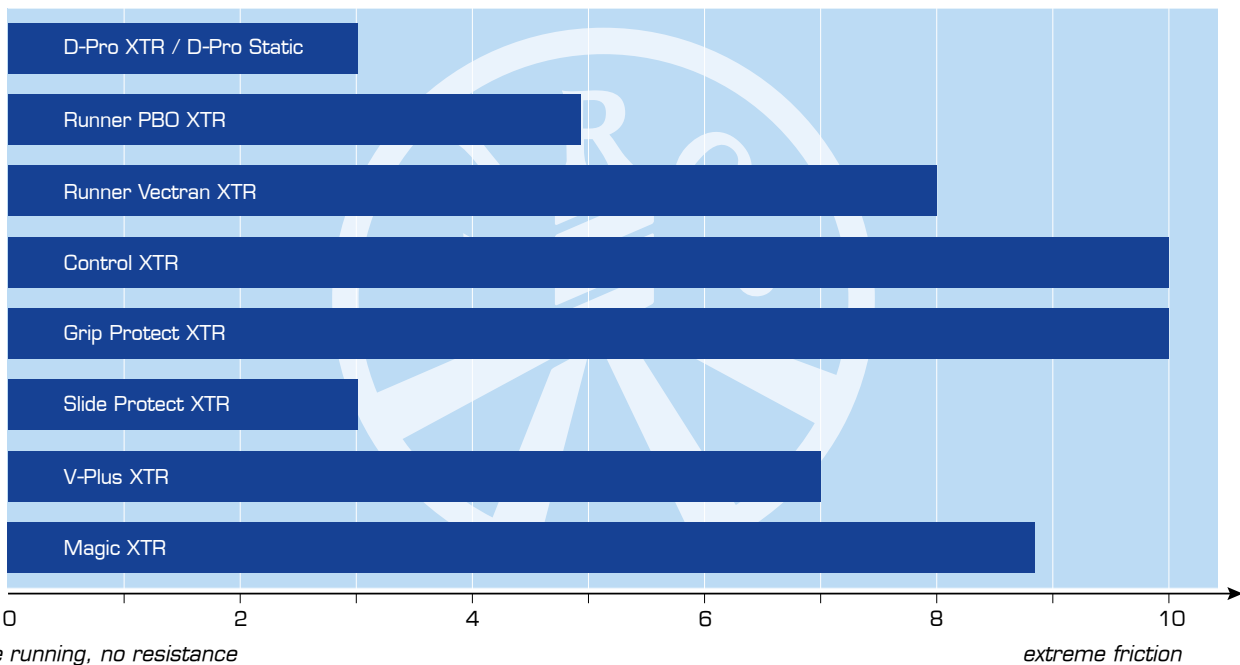
The entire XTR range offers exceptional abrasion resistance and breaking loads at lowest weight. LIROS achieves this with LCS and with LIROS HSS as well as specially twined and coated covers. The LIROS Coating System (LCS) furthermore reduces water absorption up to 33%.

2. Abrasion resistance

LIROS XTR ropes captivate due to excellent abrasion resistance and deliver best results even under toughest conditions.

4. Stretch

The construction and core material essentially specify the stretch of a rope. LIROS XTR is optimised for lowest stretch and elasticity and transforms the wind power very efficiently into propulsion.





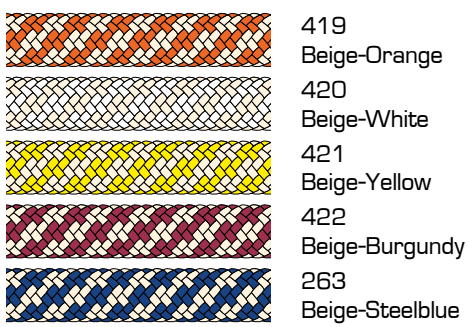
LIROS Racer-XTR

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



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

Core Dyneema® SK78 with XTR-Grip-Coating Silver



LIROS Racer-Hybrid

02026

LIROS Racer-Hybrid offers an exceptional combination of heat-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.

- 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

Colours

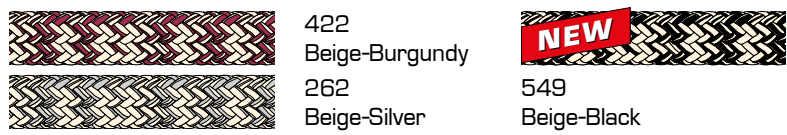


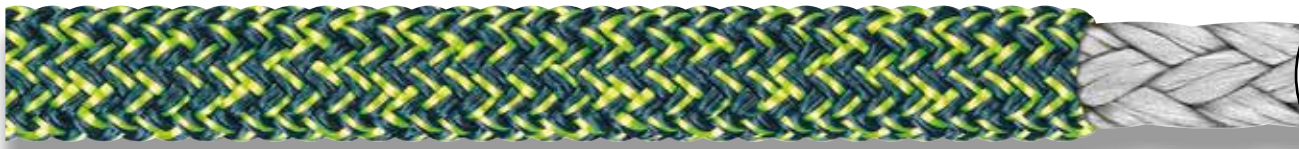
Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	2900	34	200
8	4200	48	200
10	5500	65	200
12	8000	93	200
14	10500	121	150

Cover 50% Vectran® / 50% Polyester

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

Core Dyneema® XTR-Grip-Coating Silver










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
- LIROS Heat-Stretch-System
- easy to splice

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	8 mm 10mm and up	24-plaited 32-plaited
Core	Dyneema® with XTR-Grip-Coating Silver	



Vectran™



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

Colours 02028

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

Colours 02004

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

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 6-8 mm 10-14 mm	16-plaited 24-plaited 32-plaited

Core
Dyneema® coated,
6 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

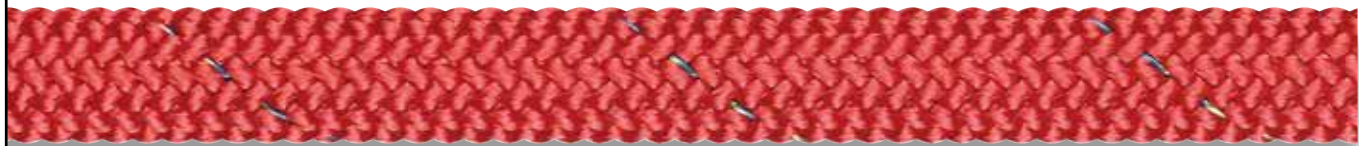


Cover Special Polyester high-twisted
Construction 2–3 mm 16-plaited
 from 4 mm 1:1 plaited
Core Coated Dyneema® SK78,
 8 mm and up with additional cover plait

Colours

	354 Steel-blue-Red		353 Steel-blue-Green	
	212 Steel-blue-Blue		213 Steel-blue-White	
	352 Steel-blue-Yellow		704 Steel-blue-Orange	

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	12800	150	100
18	15300	180	100
20	18500	236	100
22	20000	282	100
24	23000	321	100



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 nonkinking
- for halyards and sheets
- very good winch suitability
- LIROS Heat-Stretch-System



Colours

	010 Blue		228 White
	086 Green		525 Black NF
	130 Navy		529 Silver NF
	150 Orange		542 White NF
	171 Red		

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
20	18500	237	100
22	20000	285	100

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



LIROS V-Force

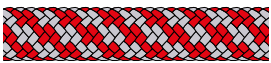
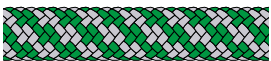

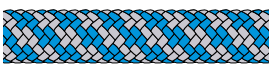
04000

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

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

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



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

Colours

	010 Blue		205 Silver		188 Black (1 and 1,5)
	059 Yellow		228 White		674 Deep Black (2 and up)
	171 Red				



Not certified for lifting loads and personal security!



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

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

Colours

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

Cover high-strength Polyester

Construction 1:1 plaited

Core high-strength Polyester plaited



LIROS Herkules Vision


01552

Fresh colours combined with our premium 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

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

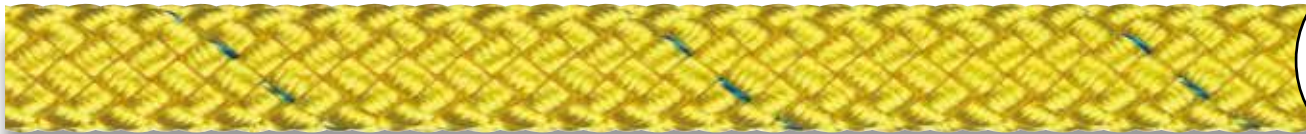
Colours

	076 Grey-Blue		083 Grey-Black
	080 Grey-Yellow		386 Grey-Red
	081 Grey-Green		555 Grey-Orange

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 Red		086 Green
	010 Blue		188 Black
	059 Yellow		130 Navy
	705 Beige NF		529 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 TopGrip has been specially developed for use on all Cruising yachts up to 50 feet. Maximum grip on winch drums delivers great control and easy handling in all situations.

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

Colours

	229 White-Blue		236 White-Red
	232 White-Green		239 White-Black

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

Cover Polyester grip fibre and high-tenacity, spun-dyed Polyester

Construction 1:1 plaited

Core high-strength Polyester plaited



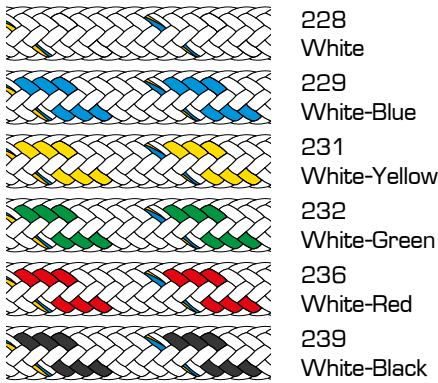
LIROS Top-Cruising

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



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	1650	200
10	2700	200
12	3200	200
14	3800	150
16	5000	100
18	6500	100
20	7300	100

Construction

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

Core

high-tenacity braided Polyester

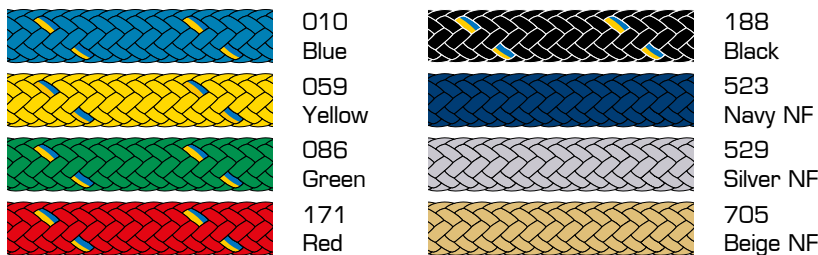
LIROS Top-Cruising-Color

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



Ø mm	Breaking strength kg	Length of spool m
4*	450	250
5*	780	250
6	1100	200
8	1650	200
10	2700	200
12	3200	200
14	3800	150

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

Cover

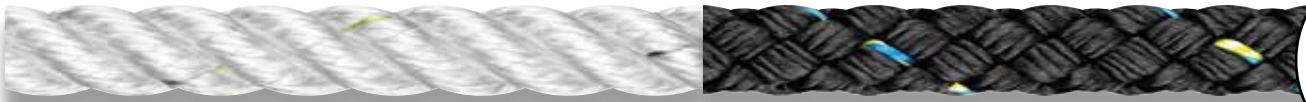
spun-dyed Polyester

Construction

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

Core

high-tenacity braided Polyester



LIROS 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)

Colour 00121



Colours 00122



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
	12	2800	200
00122	4	420	250
	5	580	250
	6	800	200
	8	1500	200

Material

Polyester heat-set

Construction

00121 twisted 3-strand, heat set Polyester
00122 8-plaited heat set Polyester



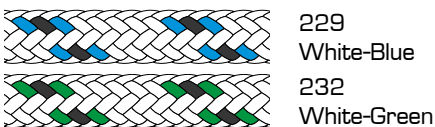
LIROS Allround 00151

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



Cover

Polyester

Construction

Ø 6–10 mm 16-plaited
 Ø 12 mm and up 20-plaited

Core

high-tenacity braided Polypropylene multifilament



LIROS Seastar

00162 / 00172

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
- also available in hemp colour (see page 74)

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

Colour 00162



228
White

Article 00173



546
Hemp NF

Colours 00172



171
Red



086
Green



010
Blue



188
Black



059
Yellow



130
Navy

Cover

Polyester yarn matt /
Coloured 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 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

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

Colours



010
Blue



541
Grey NF



059
Yellow



188
Black



086
Green



543
Brown NF



171
Red



150
Orange

Material

Polypropylene multifilament

Construction

8-plaited

NEW



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

Material

Polypropylen multifilament

Construction

8-plaited

Colours



059 Yellow



150 Orange



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

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

Cover

matt Polyester yarn

Construction

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

Core

high-tenacity braided Polypropylene



LIROS Spi

02049

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

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

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

Colours



092 Green-White



542 White NF



179 Red-White

Cover

High-grip matt Polyester with Dyneema® SK78

Core

braided Dyneema® SK78



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.

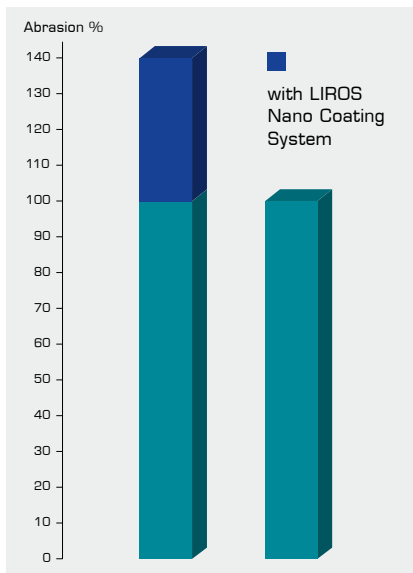
- working stretch > 15%
- ultimate in safety
- extremely easy to handle
- highly abrasion resistant LIROS Leather Guard eye splice in brown or black

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



Colours

	006 Dark Grey
	188 Black
	130 Navy



Abrasion testing in LIROS labs

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

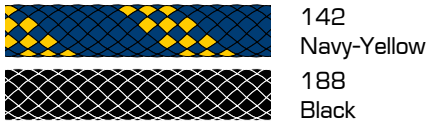
00136 / 00137

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
- 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



Cover

high-strength Polyamidee

Construction

1:1 plaited

Core

high-elastic braided Polyamidee



Colour 00137



All mooring lines come in attractive LIROS Netbags.

LIROS Handy-Elastic

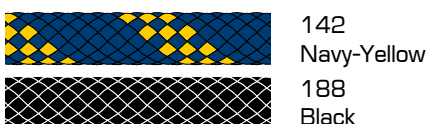
Reference 00136/00137	Ø mm	Length m	Eye splice cm
-1006	10	6	40
-1010	10	10	40
-1015	10	15	40
-1206	12	6	40
-1210	12	10	40
-1215	12	15	40
-1406	14	6	40
-1410	14	10	40
-1415	14	15	40

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



Colour 00137





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

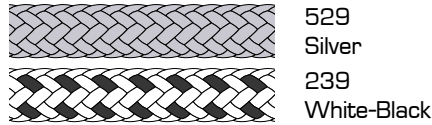
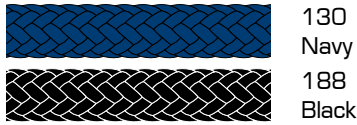
Cover
Polyester high twisted

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

Core
high-strengthes 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



NEW

with LIROS Protect!

All mooring lines come in attractive LIROS Netbags.

LIROS Porto Mooring Line pre spliced with LIROS Protect

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

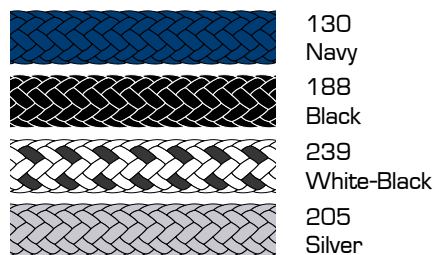
LIROS Porto Anchor Line pre spliced

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





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

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

Material

high-strength Polyester

Construction

8-plaited Octoplait



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*

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

Material

high-strength Polypropylen multifilament

Construction

8-plaited Octoplait



LIROS Moorex 12



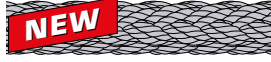
00132

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

Colours

	130 Navy
	188 Black
	529 Silver

Material
high-strength Polyester

Construction
12-plaited



All pre spliced mooring lines come in attractive LIROS Netbags.

LIROS Moorex 12 Mooring Line

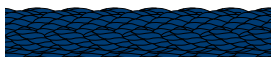
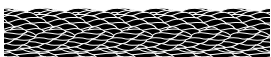
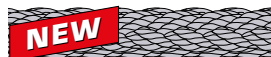
Reference	Ø mm	Length m	Eye splice cm
00132-1006	10	6	40
00132-1010	10	10	40
00132-1015	10	15	40
00132-1206	12	6	40
00132-1210	12	10	40
00132-1215	12	15	40
00132-1406	14	6	40
00132-1410	14	10	40
00132-1415	14	15	40

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!

Colours

	130 Navy		188 Black		205 Silver
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LIROS Polyester Rope

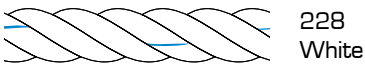
00111 / 01110

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.

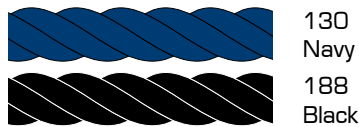
- working stretch > 15%
- very easy to splice
- extremely strong and abrasion resistant
- heat-set
- highest UV stability
- perfect for a lot of industrial applications

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

Colour 00111



Colours 01110



Material

high-strength Polyester

Construction

3-strand, heat-set



All pre spliced mooring lines come in LIROS PE-Bags.

LIROS Polyester Rope Mooring Line

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

LIROS Polyester Rope Anchor Line

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



Colours 01110





LIROS Nordic

01173

Traditional mooring line – popular especially in Scandinavia. Pliable, high-grip mooring line, easy to handle.

- working stretch > 17%
- built for grip
- easy to splice

Colour



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



Material

high tenacity Polyester and spun Polyester combination

Construction

3-strand, heat-set



All pre spliced mooring lines come in LIROS PE-Bags.

LIROS Nordic Mooring Line

Reference	Ø mm	Length m	Eye splice cm
01173-1006	10	6	40
01173-1010	10	10	40
01173-1015	10	15	40
01173-1206	12	6	40
01173-1210	12	10	40
01173-1215	12	15	40
01173-1406	14	6	40
01173-1410	14	10	40
01173-1415	14	15	40

Reference	Ø mm	Length m	Eye splice cm
01173-1606	16	6	40
01173-1610	16	10	40
01173-1615	16	15	40
01173-1806	18	6	40
01173-1810	18	10	40
01173-1815	18	15	40



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

Colour





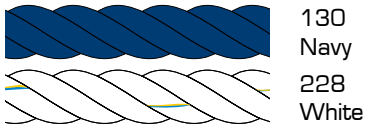
LIROS Polyamide Rope

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



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

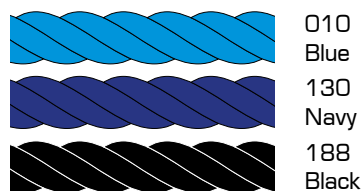
Colour 01120



Colour 01126



Colours 01123



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

Material

Spun dyed Polypropylene multifilament heat set

Construction

3-schäftig gedreht, heat-set



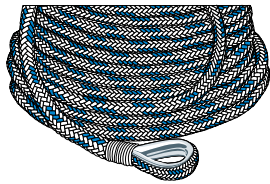
LIROS Handy-Anchor

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



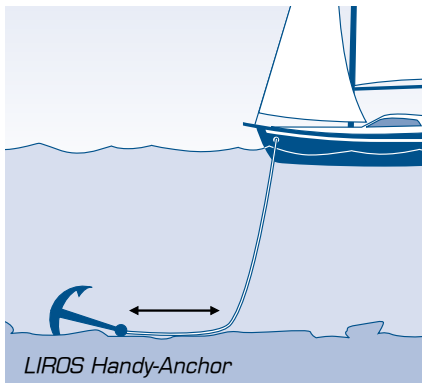
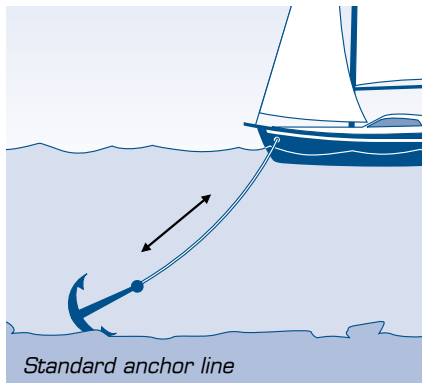
229
White-Blue



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

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

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



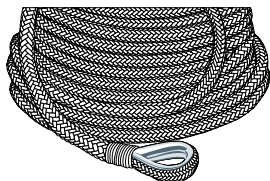
LIROS Winch-Master

W1322

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

- completely with lead core
- attractive LIROS kitbag

Colour

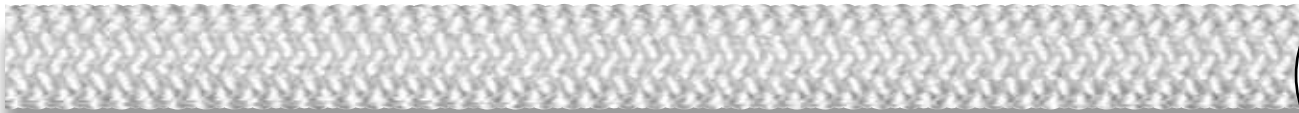


228
White

- 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 10 m of integrated lead weighting and S/S thimble



LIROS Racer

02001

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

Colours

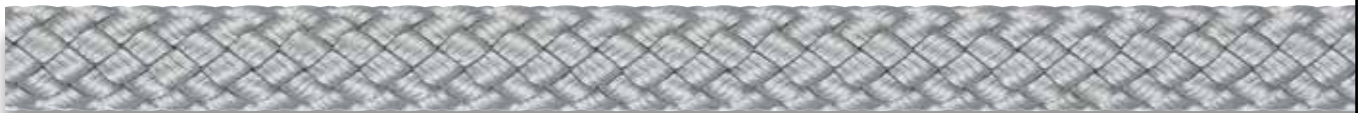


542
White NF



529
Silver NF

For detailed description of LIROS Racer see page 13.



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.

Colours



529
Silver NF



705
Beige NF

For detailed description of LIROS Herkules Color see page 16.

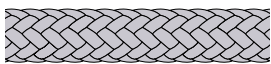


LIROS Top-Cruising-Color

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.

Colours



529
Silver NF



705
Beige NF

For detailed description of LIROS Top-Cruising Color see page 18.



LIROS Seastar Classic

00173

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

Colour



546
Hemp NF

For detailed description of LIROS Seastar Classic see pages 20 and 76.

For more traditional cordage please see pages 76–78.



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	1250	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

braided, pre-stretch, Dyneema® SK78

LIROS Magic PBO XTR

01518

LIROS Magic PBO XTR is ideal for use in dinghies and multihulls. Superior high grip, almost indestructibly durable cover, more than six times as abrasion resistant as the best Polyester. Perfect in cleats. The professional's choice, made for toughest conditions and highest demands.

- working stretch < 1 %
- grip factor 9 (page 11)
- removable cover for top performance
- superior abrasion resistance - combo-cover (twisted PBO/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	1250	100
6	1800	100



Colour



713
Black-Copper

Cover

PBO/Dyneema® Mix

Construction

4–5 mm 16-plaited
6 mm 24-plaited

Core

braided, pre-stretch, Dyneema® SK78

NEW

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	2300	100

**Technora®**

The power of Aramid

LIROS HSS
Heat-Stretch-System

Colours

178
Red-Black652
Neon Yellow-Black

Cover

Technora® / Polyester

Construction

24-plaited

Core

Dyneema® SK78 with
LIROS XTR Grip-Coating coloured

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
- 1,5–2 mm 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-Blue192
Black-Yellow198
Black-Pink199
Black-Red381
Black-Silver**LIROS HSS**
Heat-Stretch-System

Cover

Spun dyed Polyester

Construction

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

Core

Dyneema® SK78

DINGHY



LIROS Magic Pro

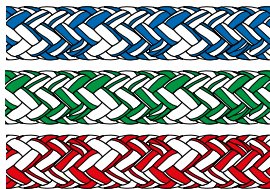
01507

LIROS Magic Pro combines all of the best characteristics with extreme low stretch. The core is coated and specially treated with LIROS Heat-Stretch-System.

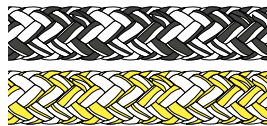
- working stretch < 1,5%
- grip factor 9 (page 11)
- exacting cover construction for excellent hold in cleats and on winches
- outstanding block performance, enabling ultra-fast manoeuvres
- specialised Polyester grip fibres for optimal control in any conditions, perfect handling through manoeuvres
- LIROS Heat-Stretch-System for lowest stretch
- ideal for cover-stripping

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 Faser / spun-dyed Polyester Mix

Construction

16-plaited

Core

coloured Dyneema® SK78 with LIROS XTR Grip Coating



LIROS Magic Race

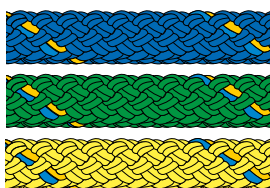
02016

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

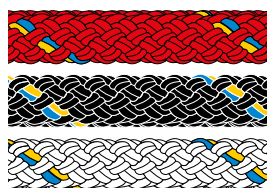
- working stretch < 1,5%
- highly UV resistant
- low stretch, high grip

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

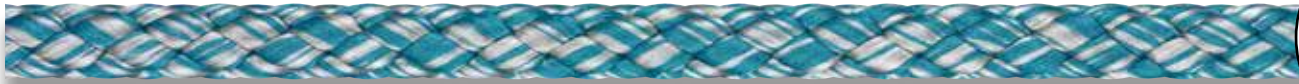
special high-twisted Polyester

Construction

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

Core

Dyneema® SK78 coated



LIROS DynaSoft

02055

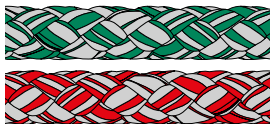
LIROS DynaSoft combines the best grip, the lightest weight, and the lowest stretch. Combination braid of high-strength Polyester grip fibres and Dyneema®. Ideal for dinghy sheets and regatta halyard leads.

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

Ø mm	Breaking strength kg	Length of spool m
4	500	100
5	850	100
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

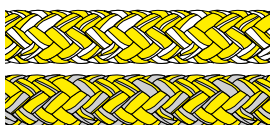
01517

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.

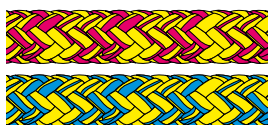
- working stretch < 5%
- very abrasion resistant
- high visibility
- low stretch

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.

- *working stretch < 8%*
- *great in turning blocks, fastest manoeuvres*
- *Polyester grip fibres provide best cover-core attachment and perfect grip for optimal control in any situation*
- *very compact non splice construction*

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



Colours



404
White-Silver



406
White-Orange



405
White-Navy



428
White-Pink

Cover

Polyester Grip Faser / spun-dyed Polyester Mix

Construction

16-plaited

Core

Polypropylen high-strength plaited



LIROS Magic Surf

100% Dyneema® surf cord for lowest stretch and precise control. Adjust your North mast-foot extension with ease, out on the water. Young windsurfers can easily manage extreme luff tension on slalom sails. Get any shape with millimeter precision in seconds.

- *working stretch < 1%*
- *extremely low-stretch*

Reference	app. Ø mm	Breaking strength kg	Length of spool m
03000-0380	3,8	1000	100
00148-0419	4,2	800	100



Colour



228
White

Material

pre-stretched Dyneema® SK 78

Construction

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



LIROS Spisheet 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

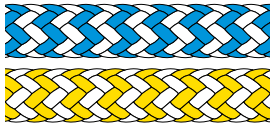
thick end – high-grip matt Polyester with Dyneema® SK78 tapered end – 100% Dyneema® SK78

Core

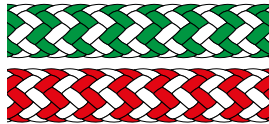
braided Dyneema® SK78

Also available as
Opti-Design
6-9-6 mm in lengths of
1,5 - 2,5 - 3 m available.
Reference: 02042-0100

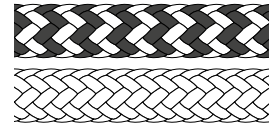
Colours



021
Blue-White
067
Yellow-White



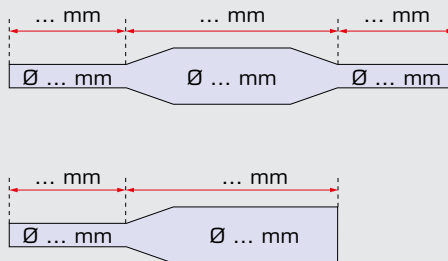
092
Green-White
179
Red-White



204
White-Black
542
White

Required order specifications:

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



Available diameter combinations:

5 – 3mm	10 – 4mm	8 – 6mm
6 – 3mm	8 – 5mm	9 – 6mm
6 – 4mm	9 – 5mm	10 – 6mm
8 – 4mm	10 – 5mm	12 – 6mm
9 – 4mm	12 – 5mm	12 – 8mm



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

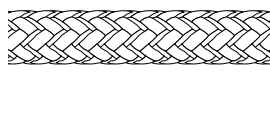


Ø mm	Breaking strength kg	Length of spool m
5	650	100
6	800	100
8	1000	100
10	1900	100

Colours



092
Green-White
179
Red-White



542
White NF

Cover

high-grip matt Polyester with Dyneema® SK78

Core

Dyneema® SK78 plaited



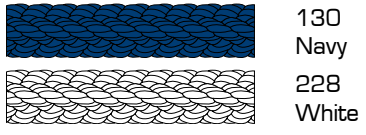
LIROS Bumperline

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

Colours



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



Material

spun dyed Polypropylene multifilament

Construction

8-plaited square braiding



LIROS Soft Shackle

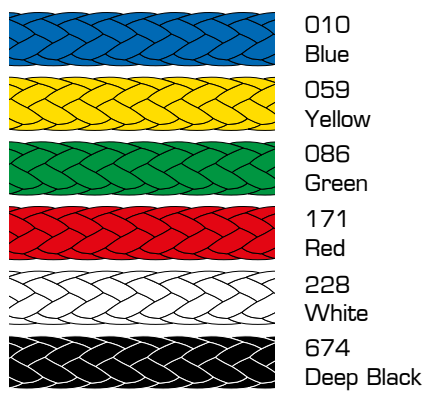
Reference	Breaking strength t	Colour	working load t	app. Ø mm	Inside-length cm
00146-0066	1	228 White*	0,5	6	55
00146-0090	1,5	674 Deep Black	0,75	8	80
00146-0069	2	171 Red*	1	10	110
00146-0070	4	010 Blue*	2	12	120
00146-0071	6	059 Yellow*	3	14	140
00146-0072	8	086 Green	4	16	150
00146-0073	10	674 DeepBlack	5	18	200

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.

* All sizes also available in deep black or silver!

- No damages on deck or risk of injuries when operating by flapping metal parts
- 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
- original LIROS high quality
- suitable for many applications in sectors industry, offroad and outdoor

Colours



Material Dyneema® SK78



Not certified for lifting loads and personal security!
Safety factor 2: 1



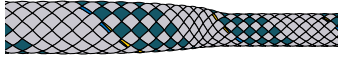


LIROS Taper Pro

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	3600	from 11mm (20m) to 8mm (15m) / 35m



LIROS HSS
with Dyneema®

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 on page 14, Dynamic Color



LIROS HSS
with Dyneema®

LIROS LCS
with Dyneema®



Halyard (Main, Genoa, Spinnaker)

Reference	Ø mm	Length m	Attachment	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 (Spinnaker, Genoa)

Reference	Ø mm	Length m	Attachment	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

CUSTOM PERFORMANCE



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*

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

Colour



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*

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

Colour



Cover

low-shrink Polyester

Construction

16-plaited

Core

low-shrink Polyester



LIROS Trim Vectran Olympic

Specially designed leech line for larger sails and high demands. 100% Vectran® core and Dyneema® cover with minimal friction. Extremely low stretch, lowest initial elongation. Particularly suitable as „over-head leechline“.

- *Working stretch < 0,8%*
- *Excellent durability and abrasion resistance*

Reference	Ø mm	Breaking strength kg
00099-1718	3	400
00099-1730	4	700
00099-1731	5	950
00099-1732	6	1200

Colour



Cover

Dyneema®

Construction

16-plaited

Core

Vectran®



LIROS Lazy Jack

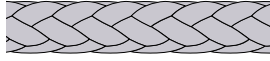
01532

Newly developed Polyester braid in new compact construction. Specially for use as Lazy Jack line.

- round and lightweight
- easy to splice
- extremely UV-resistant
- very abrasion resistant

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

Colour



529 Silver NF

Material

special high twisted Polyester spun dyed

Construction

12-plaited without core



LIROS Webbing Dyneema®

00186

Premium webbing, low-stretch and high breaking load.

- lowest stretch
- high breaking strength
- very abrasion resistant
- no water absorption
- extremely UV resistant

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



Colour



228 White

Material

Dyneema® SK78



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

Ø mm	Breaking strength kg	Length of spool m
4	500	100
6	1100	100
8	2200	100

Colour



228 White



Material

special, high-twisted Polyester

Construction

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

Core

coated Dyneema® SK78



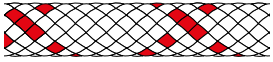
LIROS Magic Sail

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	100
3	185	100
4	320	100
5	680	100
6	940	100

Cover

Polyester

Construction

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

Core

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



NEW

LIROS Safety Netting

02040-0001-228

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

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



Detail view



LIROS Shock Cord

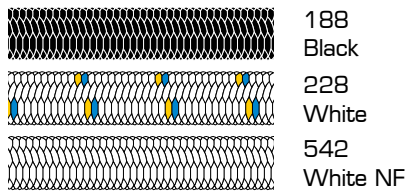
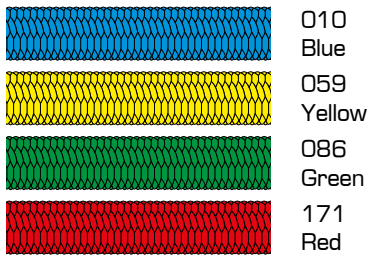
00190

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



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 kg	Length of spool m
3	150	100
4	290	100
5	300	100
6	320	100

Colour



Cover

Dyneema®

Construction

16-plaited

Core

high quality Latex rubber



LIROS Quick Clip
01905 / 01907

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

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

Hook attachments, carabine hooks and toggles available loose.



LIROS Nylon Hook
01294-0400-228

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



LIROS Nylon-Carabine Hook
01194 / 01196 / 01198

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

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



LIROS Quick Clip **01905 / 01907**

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

- 01905-0000 for 4 and 5 mm cord
- 01907-0000 for 8 mm cord



LIROS Elastic Strops **01901**

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
01901-0415-228	4	15
01901-0435-228	4	35
01901-0455-228	4	55
01901-0475-228	4	75



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



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*
- *assorted colours*

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

Material

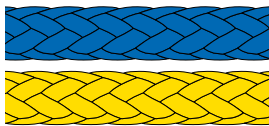
pre-stretched, coated Dyneema® SK78

Construction

12-plaited

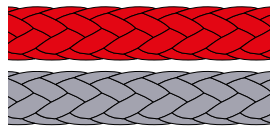


Colours assorted



010
Blue

059
Yellow



171
Red

205
Silver



228
White

NEW



LIROS Magic Sport

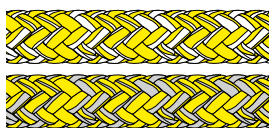
01517

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*
- *assorted colours*

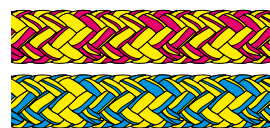
Reference	Ø mm	Breaking strength kg	Number of spools
01517-0002	2	85	10 x 30m
01517-0003	3	195	10 x 15m

Colours assorted



781
Neon yellow-White

771
Neon yellow-Silver



417
Neon yellow-Pink

773
Neon yellow-Blue

Cover

spun dyed Polyester

Construction

16-plaited with core

Core

high-strength Polyester

See our premium metal display rack for best presentation on Point-of-Sale (page 85)



LIROS Braided Polyester Line

01040

Braided high-strength Polyester

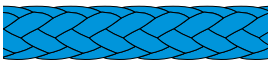
- will not stiffen up
- flexible
- very UV resistant
- assorted colours

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

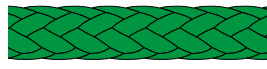
Material high-strength Polyester

Construction 8-plaited

Colours assorted



010
Blue



086
Green



188
Black



059
Yellow



171
Red



228
White



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
- assorted colours

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

Material coloured Polyester

Construction 16-plaited with core



LIROS Classic

01172

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

- high-grip
- pliable
- weatherresistant

Ø mm	Number of spools
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	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 Multi-colour*
00013	1,5	20 x 20m	plaited	heavy waxed	293 Multi-colour*
Sewing Thread 00099-0400	0,3	10 x 140m	Polyester		228 White

LIROS Dyneema® Waxed Whipping Twine

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

All whipping twine also available in bulk 500m spools.

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



LIROS Optisail

02056

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

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

Ø mm	Number of spools
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 85)



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.

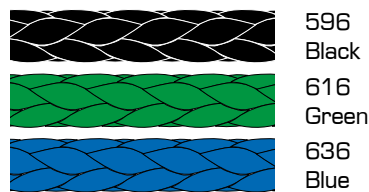
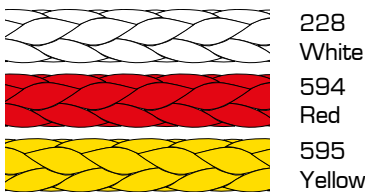
- easy to splice
- unmatched precision in kite control
- excellent dimensional stability
- LIROS Heat-Stretch-System

Reference	app. Ø mm	Breaking strength kg	Length of spool ¹ * m
DC 000-0161	0,83	170	1000
DC 000-0201	1,10	230	1000
DC 000-0301	1,50	325	1000
DC 000-0401	1,60	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-braided

Please find Polyester cover to strengthen splices on page 50.

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

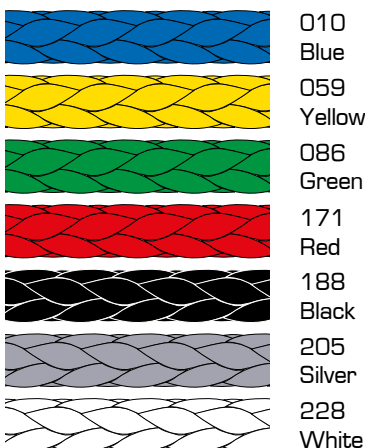
Reference	app. Ø mm	Breaking strength kg	Length of spool ¹ * m
DC 000-0035	0,38	35	1000
DC 000-0040	0,50	40	1000
DC 000-0060	0,60	60	1000
DC 000-0100	0,80	100	1000
DC 000-0120	0,85	120	1000
DC 000-0160	1,10	160	1000
DC 000-0200	1,60	200	1000
DC 000-0300	1,80	300	1000
DC 000-0500	2,05	500	1000

* 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-braided

Please find Polyester cover to strengthen splices on page 50.

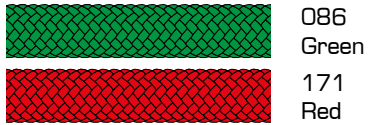


LIROS PC

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

Colours



Material hollow-braided Polyester

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.

LIROS Bridle Line

22138

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

Colour



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.



Cover high-strength Polyester **Construction** 12-plaited **Core** Dyneema® plaited



LIROS DePower Lines

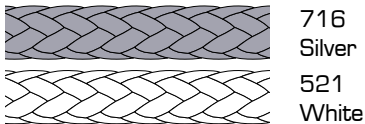
Specially designed Depower line made of 100% Dyneema®. For long-life cycle in modern kitebar constructions. Technically versed coatings deliver up to 30% more resistance against abrasion, than in common Depowerlines.

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

No article	app. Ø mm	Breaking strength kg	Length of spool* m
DPLPO-1300	4,0	1300	100/500
DPLPO-1750	4,5	1750	100/500
DPLPO-2600	5,0	2600	100/500
DPL00-1550	4,4	1550	500
DPL00-1700	5,2	1700	500
DPL00-1800	5,6	1800	500



Colours



716
Silver
521
White



735
Tiefschwarz

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.

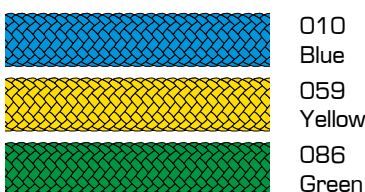
- extremely light
- extremely thin
- highest breakloads
- best paragliding performance
- perfect aging properties
- LIROS Heat-Stretch-System

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

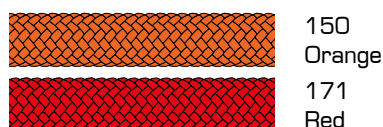
* LIROS FlightSport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
059
Yellow
086
Green



150
Orange
171
Red



Cover Polyester

Core pre-stretched Dyneema®



LIROS PPSL

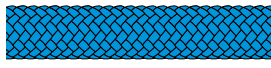
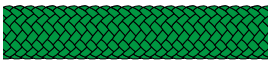



LIROS PPSL is lightweight, with minimal creep, as well as unmatched durability, even after extreme bending. The kite line for the most demanding applications. Shrinkage < 0,5%.

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

Reference	ca. Ø mm	Breaking strength kg	Length of spool* m
PPSLO-0120	1,15	120	1000
PPSLO-0160	1,40	160	1000
PPSLO-0191	1,20	190	1000
PPSLO-0200	1,42	200	1000
PPSLO-0275	1,90	275	1000
PPSLO-0350	2,25	350	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		086 Green		171 Red
	059 Yellow		150 Orange		

Cover Polyester 16-plaited
Core pre-stretched Dyneema®



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

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.

Colours

	010 Blue		086 Green		157 Pink
	059 Yellow		150 Orange		171 Red

Cover Polyester 32-plaited
Core pre-stretched 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®

Colour



228
White

Reference	ca. 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.



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	ca. 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



171
Red



150
Orange



Cover Polyester 16-plaited, DFLPO-0232 32-plaited

Core Dyneema®



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



086
Green



171
Red



059
Yellow



150
Orange

Cover Polyester

Core Technora®



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

Material 100% Technora®

Construction 12-plaited





LIROS SL

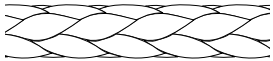
Very long lasting and lightweight towing line for paragliding and winch towing. LIROS SL delivers a high level of safety. The SL500 is especially well-suited for tandem towing. The extremely thin diameter increases capacity on winch drums.

- 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 HighTech quality.

- high breakloads
- good resistance to abrasion

Width mm	Breaking strength kg	Length of spool* m
13	850	100



Colour



188
Black

Material Technora®/Polyester

Construction webbing



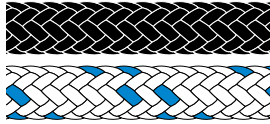
LIROS Trimmleine

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

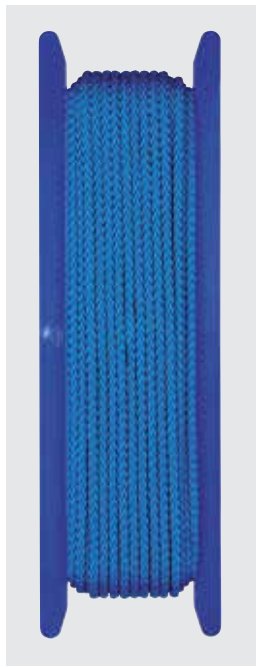


188
Black
229
White-Blue

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

Colour 10070



228
White

Colours 10072



010
Blue
059
Yellow
086
Green
171
Red
188
Black

Material Polypropylene multifilament

Construction 8-plaited

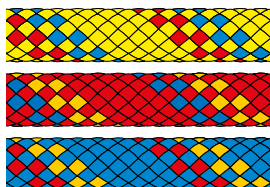


LIROS Accessory Cord

01024

Secure your equipment with highly abrasion resistant LIROS Accessory Cord. Multifunction line, suited for nearly all outdoor and climbing purposes. Exceptionally long-lasting construction, with good knot hold.

Colours



267
Yellow-Red-Blue
411
Red-Yellow-Blue
507
Blue-Red-Yellow

Cover
high-tenacity Polyamide

Construction
16-plaited

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

Core
high-tenacity Polyamide



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 (page 11)
- 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 (see page 10)

Ø mm	Weight g/m	Working stretch %	Breaking strength kg
2	3	< 0,8	400
3	7	< 0,8	1100
4	10	< 0,8	1500
5	22	< 0,8	3000
6	32	< 0,8	5000
8	48	< 0,8	6800

Material 100% Vectran® with LCS Coating

Construction 12-plaited

Colour



188
Black

Vectran™

LIROS LCS
LIROS Coating System



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

Colours



674
Deep Black

Material Dyneema® SK78 coated

Konstruktion pre-stretched, coated, 12-plaited



LIROS HSS
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



Cover

special high-twisted Polyester

Construction

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

Core

coated Dyneema® SK78 with additional cover plait from 8mm 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

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

Colour



Material

Polypropylene multifilament

Construction

8-plaited



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 10mm
20-plaited with core 12mm and up

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

spun dyed Polyester

Construction

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

Core

high-tenacity braided 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	3500	100



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
- manufactured to **DIN EN 892**
- dynamic stretch: 38 %
- 80 kg stretch factor: 9.7 %
- cover movement: 0 mm
- cover ratio: 41 %

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.

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

Material Polyamide high-strength



Colours



507
Blue-Red-Yellow



502
Blue-Green-Orange

LIROS Sky Duo

01001

Newly developed LIROS 'half' rope for double rope applications. Lowest weight for advanced/aggressive climbers. Manufactured according to **DIN EN 892**. CE approved.

- impact force (55 kg on one rope) 5.1 kN
- UIAA rated 18 falls (norm ≥ 5 falls)
- LIROS DryRope System
- extremely resistant against sharp edges
- weight: 48 g/m
- black midpoint marking
- durable easy handling
- twist-free
- manufactured to **DIN EN 892**
- dynamic stretch: 35 %
- 80 kg stretch factor: 11.5 %
- cover movement: 0 mm
- cover ratio: 38 %

Double rope: Rope for double line systems, consisting of two sections with the lead climber securing the center. Two climbers can then each secure one section. To reduce drag, attach one section only. Great for mountain touring or for long climbing routes, where you want to rappel. Also recommended for securing unsafe points (e.g., while ice climbing). Connecting only one section will reduce impact force.

Reference	Ø mm	Length m
01001-0860	8,6	200
01001-0861	8,6	50
01001-0862	8,6	60

Material Polyamide high-strength



Colours



058
Fuchsia



059
Yellow



LIROS Rock

01003

Powerful single rope for the classic climber. Perfect cost-benefit balance. Manufactured to DIN EN 892. CE approved.

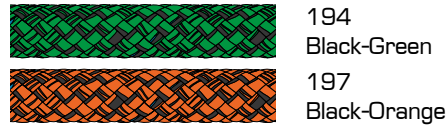
- impact force (80 kg) 8 kN
- UIAA rated 8 falls (norm ≥ 5 falls)
- resistant against sharp edges
- weight: 65 g/m
- black midpoint marking
- durable easy handling
- twist-free
- manufactured to **DIN EN 892**
- dynamic stretch: 37 %
- 80 kg stretch factor: 9.5 %
- cover movement: 0 mm
- cover ratio: 36 %

Reference	Ø mm	Length m
01003-1020	10,2	200
01003-1021	10,2	60
01003-1022	10,2	70

Material Polyamide high-strength



Colours



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 to **DIN EN 892**. CE approved.

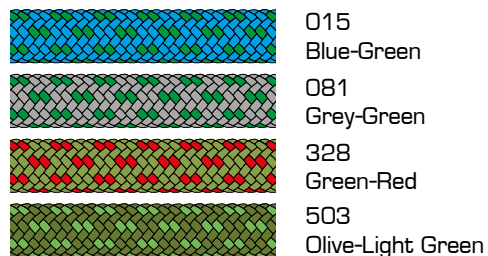
- impact force (80 kg) 8.4 kN
- UIAA rated 8 falls (norm ≥ 5 falls)
- extremely low core-cover movement
- extremely resistant against sharp edges
- weight: 71 g/m
- strong and easy to handle
- twist-free
- manufactured to **DIN EN 892**
- dynamic stretch: 36 %
- 80 kg stretch factor: 8.5 %
- cover movement: 0mm
- cover ratio: 47 %

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

Material Polyamide high-strength



Colours



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 must not be cutted!



LIROS Safe Classic

00099-1116

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**.

Cover high-tenacity Polyamide
Construction 16-plaited
Core special multi-braided Polyamide

- working stretch 4,3 %
- long-lasting construction
- highly abrasion resistant
- good knot hold
- extremely low cover-core movement
- available with both ends sewn eye



Reference	Ø mm	Breaking load daN	Elongation % at 100 kg	Weight g/m	Cover ration %	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.

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

- available with both ends sewn eye.
- certified to **DIN EN 1891**
- LIROS Heat-Stretch-System



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 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.

- available with both ends sewn eye.
- certified to **DIN EN 1891**

Cover high-tenacity Polyamide

Construction 32-plaited

Core high-tenacity Polyamide



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

Colour



701
Black 2F Red



LIROS Safe Prusik

01590 / 01592 / 01593

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 kg
01592	8	2200
01590	9,1	2200
01593	10	2200

Cover Polyester / Aramid
20-plaited

Core high-tenacity Polyester

Colour 01590



064
Yellow-Red

Colour 01593



069
Yellow-Green

Colour 01592



321
Yellow-Silver



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*

Colour



192
Black-Yellow



Ø mm	Breaking strength kg
------	----------------------

9	2200
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Cover

Aramid / Polyester
24-plaited

Core

Dyneema®, Aramid



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. Highstrength Polyester cover is extremely abrasion resistant. Low diameter for very lightweight.

- *optimum handling*
- *highly abrasion resistant*
- *minimized cover / core movement*
- *good knot hold*
- *extremely low cover-core movement*
- *certified to **DIN EN 1891***

Colour



014
Blue-Yellow-White

Cover

high twisted Polyester

Construction

24-plaited

Core

plaited Polyamide



Reference	Ø mm	Stretch % at 100 kg	Weight g/m	Cover ratio %	Length m
01595-0000	11,8	2,5	82	54	200 without end connection
01595-1000	11,8				as required / incl. seam
01595-6000	11,8				as required / incl. splice
01596-0000	12,8	2,2	102	51	200 without end connection
01596-1000	12,8				as required / incl. seam
01596-6000	12,8				as required / incl. splice



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

Ø mm	Breaking strength kg	Length of spool m
12	4500	200
14	5500	150
16	6700	100
18	7600	100

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

Core

high-tenacity braided Polyester



LIROS Safe Tree

01526

Easy to handle lowering cable with core-cover construction made of 100% high-tenacity Polyester. Handy and tear-resistant, soft and smooth – the perfect solution for the arborist!

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

Ø mm	Breaking strength kg	Length of spool m
12	4500	200
14	5500	150
16	6700	100
18	7600	100

Colours



12 mm
229 White-Blue



14 mm
231 White-Yellow



16 mm
236 White-Red



18 mm
239 White-Black

Cover

high-twisted Polyester

Construction

20-plaited

Core

high-tenacity braided Polyester



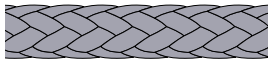
LIROS D-Steel

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

Material ultrahigh-strength HMPE

Construction 12-plaited, heat set and coated

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)
28	52000	200 (coil)
30	61000	200 (coil)
32	68000	200 (coil)
34	74500	200 (coil)
36	81000	200 (coil)
38	94500	200 (coil)
40	100030	200 (coil)

LIROS Connect

00104

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

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



Usage example (rope and hook not included)





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.

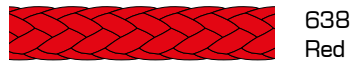
- Flexible and lightweight with extreme breaking load
- Permanently integrated high-strength LIROS Soft Shackle
- Constructed from high-tech material Vectran® extremely heat resistant
- Low noise and easy handling
- Minimal (Minimize the) risk of injury due to use of 100 % textile fibers
- No metal components 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



LIROS Offroad Winch Rope 01481

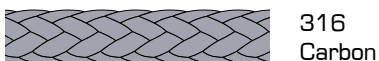
Specially-designed recovery rope for extreme winch applications. Perfect replacement for wire cable. Strong and 10x lighter than steel, LIROS Offroad Winch Rope offers perfect performance and safety. Ready-to-use: carabine hook on one end, plus 2 movable protective jackets for friction points. Winchend: 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 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



Material ultrahigh-strength HMPE

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

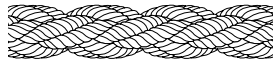


LIROS Offroad Towing Rope 01058-2401

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

Colour



228
White

Material

high-tenacity Polyamide

Construction

8-strand octoplat

Reference	Ø mm	Breaking strength kg	Length of spool m
01058-2401	24	9500	5
01058-2402	24	9500	8
01058-2403	24	9500	12
01058-2404	24	9500	15



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

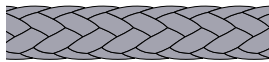
Ø mm	Breaking strength kg	Weight kg / pce.	Length of spool m
12	13000	1,3	12



LIROS HSS
High Strength System

LIROS LCS
LIROS Coating System

Colour



205
Silver-Red

Material

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

LIROS Offroad Shackle 00146

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.

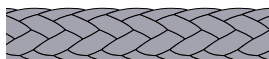
- super lightweight and easy to handle
- high breaking load
- can't open accidentally under load
- reduces risk of injury
- premium LIROS quality



LIROS HSS
High Strength System

LIROS LCS
LIROS Coating System

Colour



205
Silver

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





**LIROS Dyneema®
Braid**

00148

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
- 500 m X-Spool standard

Material Dyneema®

As an innovative company, LIROS pioneered the technical braiding with the extremely high-strength fibre Dyneema®. We offer an extremely wide range of braided Dyneema®, tailor-made to your specifications. LIROS aim to replace wire cables with textile alternatives. Heat treatment and coating can also greatly enhance the technical properties for many applications.

Reference	Ø mm	Breaking strength kg	Construction	Length of spool
00148-0006	0,06	3,8	3-plaited	500 m
00148-0014	0,14	8,0	3-plaited	500 m
00148-0018	0,18	11,5	3-plaited	500 m
00148-0024	0,24	16	6-plaited	500 m
00148-0030	0,3	25	6-plaited	500 m
00148-0040	0,4	36	6-plaited	500 m
00148-0060	0,6	60	6-plaited	500 m
00148-0080	0,8	90	8-plaited	500 m
00148-0100	1,0	115	6-plaited	500 m
00148-0150	1,5	175	8-plaited	500 m
00148-0200	2,0	200	8-plaited	500 m
00148-0250	2,5	410	12-plaited	500 m

Additional diameters available upon request.

Colour



LIROS HSS
Heat Stretch System



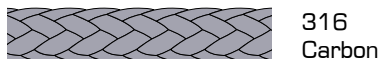
LIROS D-Steel

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



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

Material ultrahigh-strength HMPE

Construction 12-plaited, heat set and coated

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)
28	52000	200 (coil)
30	61000	200 (coil)
32	68000	200 (coil)
34	74500	200 (coil)
36	81000	200 (coil)
38	94500	200 (coil)
40	100030	200 (coil)



LIROS Aramid

00144

Very low stretch, durable and strong Aramid rope.

- working stretch < 1,5%
- strong
- extremely low stretch
- Polyester cover for optimal UV and abrasion resistance

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

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

Colours



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	Construction	standard presentation
0,4	45	6-plaited	500m spool
0,9	80	6-plaited	500m spool
1	100	16-plaited	500m spool
1,5	135	8-plaited	500m spool
2	250	16-plaited	500m spool
2,1	290	8-plaited	500m spool
3	560	8-plaited	500m spool
4	700	8-plaited	500m spool
5	1000	8-plaited	250m spool
6	2000	8-plaited	200m spool

LIROS Polyester Spiral Braid

01045

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

- 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

LIROS Polyester Braid

01040 / 01038

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

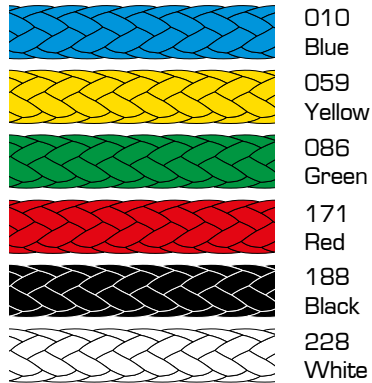
- working stretch < 10%
- custom lengths available

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



Colour 01038



16-plaited

	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
White & Black	5	500	250
	6	800	200
	8	1150	200
	10	2000	200
White & Black	12	2900	200
	14	3900	150
	16	4200	100

8-plaited

LIROS Polyamide Braid

01025 / 01030 / 01027

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

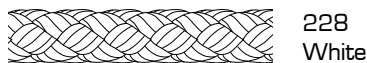
- working stretch < 15%
- custom lengths available

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

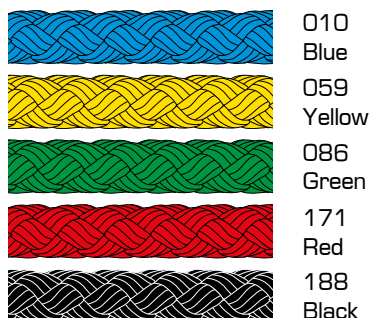
Colour 01025



Colour 01027



Colours 01030



16-plaited

	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
White & Black	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

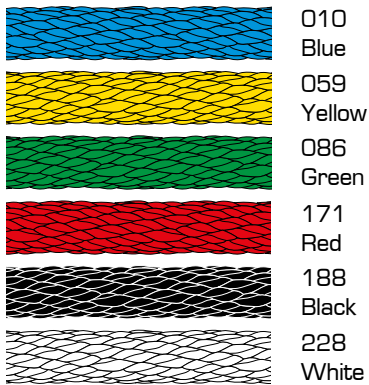
Spiral plaited Polyamide Cord. Round, flexible, high stretch and very UV-resistant.

- working stretch < 20%
- custom lengths available

Colour 01035



Colours 01036



Material
high-tenacity
Polyamide

Construction
spiral braiding

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

8-plaited

Spiral braid

LIROLEN Braid 01070 / E1070 / 01075

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

- working stretch < 12%
- UV-stabilised
- Individuale Anpassung bezüglich Length möglich

Construction 01070

Ø 1 – 16mm
1 mm 6-plaited
2mm and up 8-plaited

Colour 01070



Construction E1070

Ø 2 – 16mm
16-plaited with core

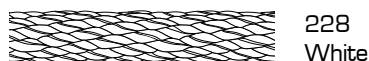
Colour E1070



Construction 01075

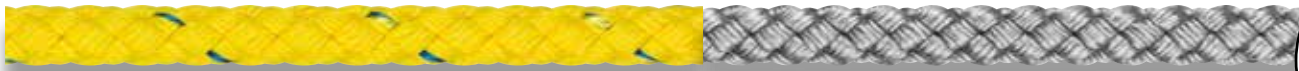
Ø 3 – 16mm
spiral braid

Colour 01075



Material
high-tenacity
Polypropylene
multifilament

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



Ø 6 mm and up with flecks

up to Ø 5 mm no flecks

LIROS Coloured Polypropylene Braid

01072

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

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

Material spun-dyed Polypropylene multifilament

Construction 8-plaited

Ø mm	Breaking strength kg	Length of spool m
1	30	100
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

Colours



010
Blue



086
Green



188
Black



059
Yellow



171
Red



543
Brown



541
Grey



150
Orange



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

Reference	Ø mm	Breaking strength kg	Length of spool m
01072-0900	9	1000	200
01072-1012	11	1300	200

Colours



010
Blue



171
Red



228
White



059
Yellow



188
Black



543
Brown



086
Green

Material spun-dyed Polypropylene multifilament

Construction 16-plaited without core



LIROS Venetian Blind Cord

**20140 / 20145
22140 / 22145**

100% Polyester from 2.5 mm 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

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

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.

- specialty impregnation upon request (Ref. 10445)
- custom lengths and colours available

Material Polyamide high-strength
Construction 16-plaited without core

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

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

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

Colour 01060



150
Orange

Colour 01061



021
Blue-White






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

Colours 01161

	130 Navy
	188 Black

Material 01160 Acrylic yarn
Material 01161 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*
- *28-30 mm diameter*
- *1140D ideal for outdoor use*

Alternate: 4-strand twisted 01141-3500

Colour 1140D

	546 Hemp NF
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Colour 0114D

	546 Hemp NF
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Colour 01141-3500

	546 Hemp NF
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Material spun Polypropylene rope yarn

Construction 4-strand cable twist

Length 50m spool

Material natural spun Hemp

Construction 4-strand cable twist

Length 50m spool

Material spun Polypropylene rope yarn

Construction 4-strand coil twist

Length 100m coil



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

from 6 mm – 8 mm 16-plaited
 from 10 mm – 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	200
4	170	200
5	250	200
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

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

TRADITIONAL



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 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

100% 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

Material

100% natural hemp

Construction

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

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



8-plaited

16-plaited

LIROS Cotton Cord

00510 / 00512

100% natural cotton.

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

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

8-plaited



16-plaited



Material
cotton

Construction 00510
8-plaited

Construction 00512
16-plaited
available in Ø 2-12 mm



LIROS Sisal Rope

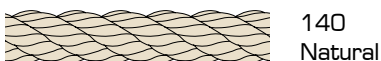
00113

100% natural, cropped sisal.

- compact
- environmentally friendly
- naturally bio-degrades

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

Colour



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.

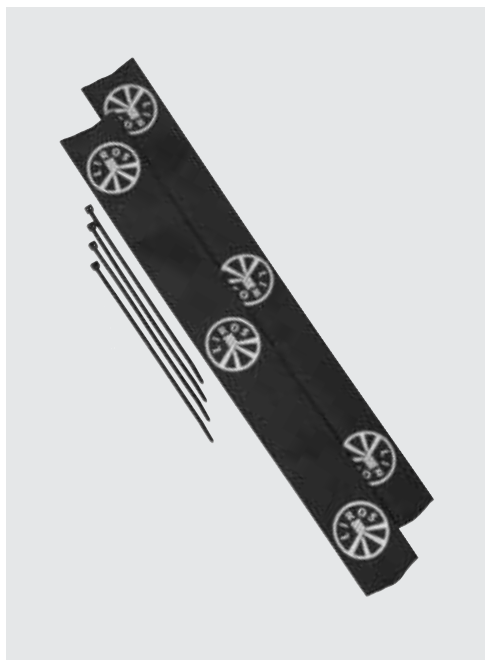
- Contains:*
- 1 x LIROS Whipping needle
 - 1 x swedish fid
 - 3 x splicing needles (5.5-7.5-10 mm)
 - 1 x LIROS brochure
 - LIROS USB-Stick with splicing instructions
 - LIROS-Tape
 - Dyneema® whipping twine
 - 1 x pen
 - 1 x lighter
 - 1 x Wet Notes Notebook

LIROS Protect

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

- width 37 mm for ropes up to 16mm
- width 60 mm for ropes from 18 mm up to 30mm 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	2x0,6 (Kit incl. cable ties)
00146-0274	60	18-30	50 (spool)
00146-0275	60	18-30	2x0,6 (Kit incl. cable ties)



LIROS Wet Notes **00146-0103**

Thin plastic, waterproof notebook for sailing in any weather. Durable plastic front and back cover. Fits in any pocket.

- Measurements: 7,5 x 5,5 cm

Please find splicing instructions for LIROS ropes at:
www.liros.com/en/service/downloads/



LIROS Swedish Fid

00143

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

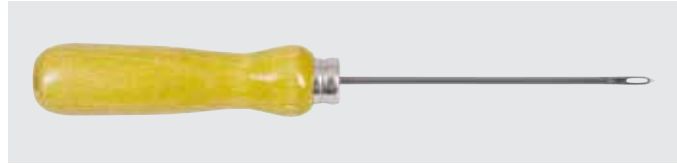
- 00143-0005 – up to 12 mm
- 00143-0006 – 14 mm and up



LIROS Whipping Needle

00143-4000

LIROS Splicing Department-approved needle for splicing and whipping lines up to 4 mm. 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 0.6 mm 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
-----------	------	------------	-----------------

00143-1000	S	6–8	180x6
00143-2000	M	10–12	300x8
00143-3000	L	12–14	335x9
00143-3050	XL	16–20	260x12
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.

LIROS Splicing Needle Set

00143-5000

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
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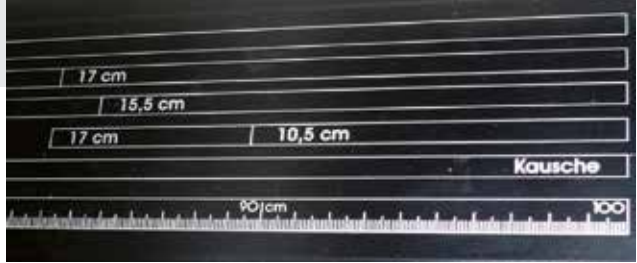
00143-5000	Standard	set of 5	4–14 mm
00143-5011	Dinghy	set of 2	4–6 mm
00143-5012	Cruising	set of 2	8–14 mm



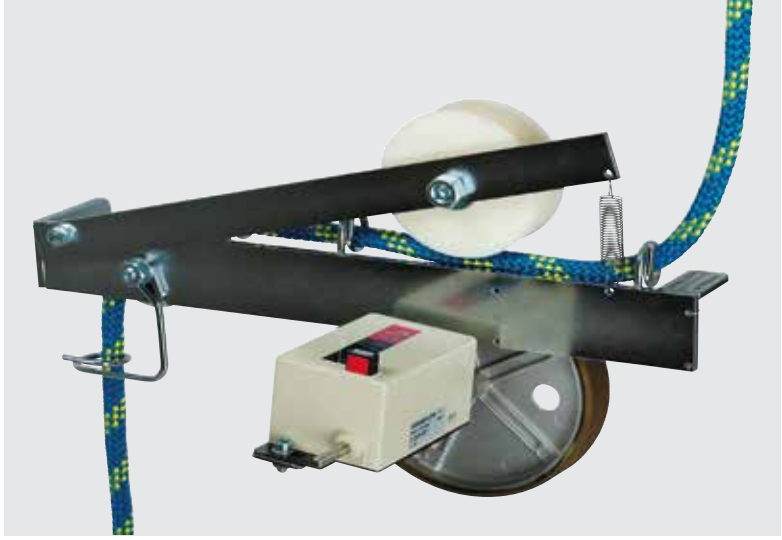
LIROS Splicing Bench
00146-0106

Professional splicing bench designed by LIROS to provide perfect working conditions for professional splicing and rigging. Features an 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 optimum splice lengths



LIROS Rope Measuring Gauge **00138**

High quality, robust construction, chrome, can be calibrated for plaited cords, plaited lines and ropes with diameters between 3mm and 20mm. For fixing at LIROS Rope Rack or to the wall.

- Size: 43 x 26 cm
- Weight: 2,9 kg

Please find splicing instructions for LIROS ropes at:
www.liros.com/en/service/downloads/spleissanleitungen.html

LIROS Heat Cutter

00146

For cutting and sealing synthetic cord and lines, 21 mm cutting edge. Professionally cut of synthetic ropes in all diameters.

- 60W rating
- for adult use only

00146-0000 Heat cutter
00146-0001 Replacement blade



LIROS Heat Cutter Pro

00146

- 120 W rating
- ideal for professional use
- quick setup and cutting edge warmup
- wider cutting edge
- 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: 11.5 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	4	(2)
00135-3003	Top for headline (25 cm)	4	2
00135-3004	Bars (92 cm width)	12	6 (8)
00135-3005	Reinforcement braces	1	-
00135-3006	Advertising sign	2	1



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 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)



* The assembly instructions and the information text available for download at <http://www.liros.com/service/downloads>

LIROS Counter Display 00146-0016

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

Can be fitted with 4 sales packages e.g. Magic Speed, Trimline or whipping twine. See page 46-47.

- 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 Carpet

Premium LIROS doormat.
Easy to clean.

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



LIROS Sticker

	Reference	Measurements
①	00146-0047	∅ 50 cm
②	00146-0052	∅ 25 cm
③	00146-0110	30 x 7 cm
④	00146-0046	80 x 12 cm
⑤	00146-0048	∅ 9 cm

LIROS Canvas Sticker

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



LIROS Coffee Cup **00146-0029**

LIROS PE Carrier Bags (without illustration) **00146-0094**

LIROS Climate Protection

Active participation in climate protection

Sustainable and environmental action is part of the LIROS corporate philosophy. The entire LIROS company is heated with rejected heat from a nearby biogas plant, which generates heat and electricity from biomass.

LIROS produces for climatic sports such as sailing, paragliding or kiting. But also as a supplier of extremely light and high-strength components for the industry, LIROS makes a contribution to reducing global warming.

Also in the future LIROS will be involved in projects for energy production and will deliver the know-how of rope manufacture in these projects – all for nature conservation.

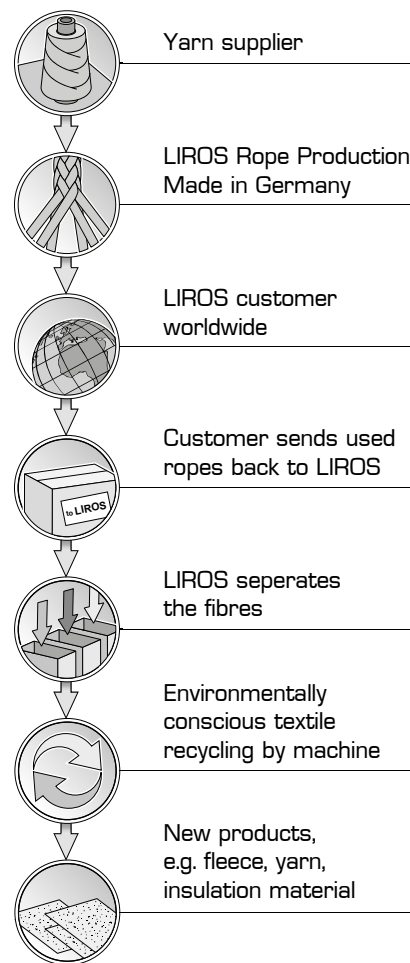


Energy production by photovoltaics

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

LIROS Recycling

Taking back your used LIROS rope and plastic reels



Recommended Line Diameters

Regatta										
Segelfläche (m ²)	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 Color 02028	6	8	10	12	14	14	14	–	–	–
D-Pro 01505	4	5	6	8	8	9	9	10	12	14
Vectran®-Olympic 04000	6	8	8	10	12	–	–	–	–	–
DynaSoft 02055	5	6	8	–	–	–	–	–	–	–

Cruising										
Segelfläche (m ²)	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 Color 02028	6	8	10	12	12	14	14	–	–	–
TopGrip 01540	6	8	10	12	14	14	14	–	–	–
Herkules Color 00154/01550/01552	6	8	10	12	14	14	14	16	16	18
Top-Cruising 00152	6	8	10	12	14	14	14	16	16	18
Top-Cruising-Color 01528	6	8	10	12	14	14	14	–	–	–
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.



LIROS usage recommendations

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LIROS Nordic	28
Anchor line	
LIROS Squareline-PES	25
LIROS Handy-Anchor	30

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
		Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
PES	Super Yacht Mooring 01300	–	–	–	–	–	–	–	24	24	28
	Porto 00133	10	12	14	16	18	20	22	24	–	–
	Squareline 01047/01049	10	12	14	16	18	20	22	24	26	28
	PES-3-strand 00111/01110	10	12	14	16	18	20	22	24	26	28
	Nordic 01173	12	14	16	18	18	20	22	24	26	28
	Moorex 12 00132	12	14	16	18	20	22	24	26	28	30
PA	Latina 00110	10	12	14	16	18	20	22	22	24	26
	Handy Elastic 00136/00137	10	12	14	16	18	20	22	22	24	26

INFO

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

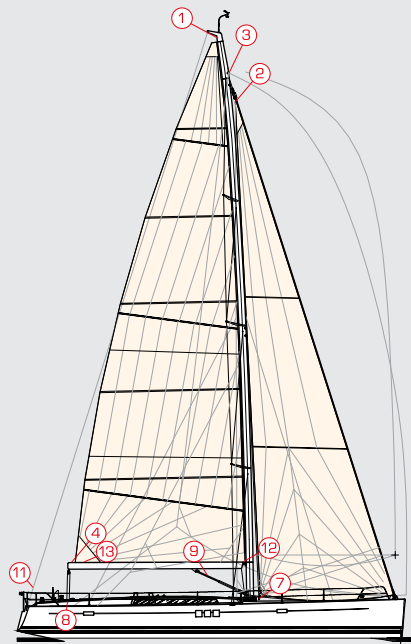
We recommend visual inspection of every line, before and after use.
Lines should be removed from use if the load-bearing portion shows evidence of damage, even through normal wear and tear.
LIROS quality lines may be washed in mild detergent on the „gentle“ or „delicate“ cycle at 30°C, packed in a cotton bag.

Please find splicing instructions for LIROS ropes at:
www.liros.com/en/service/downloads/spleissanleitungen

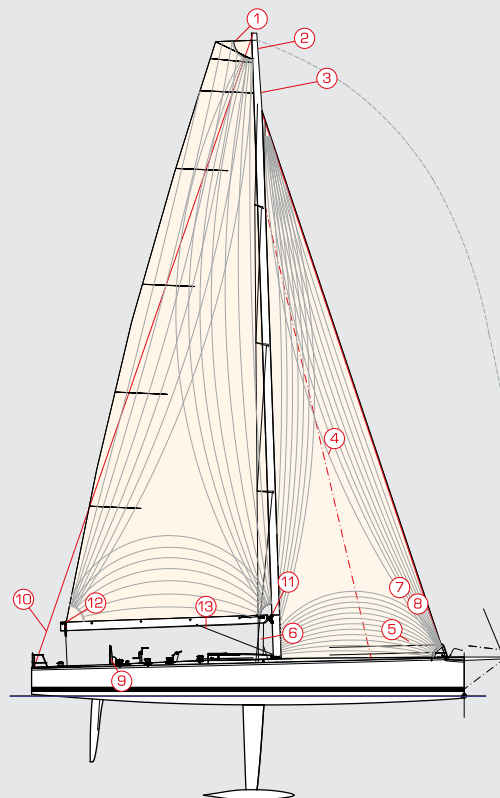
CRUISING

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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

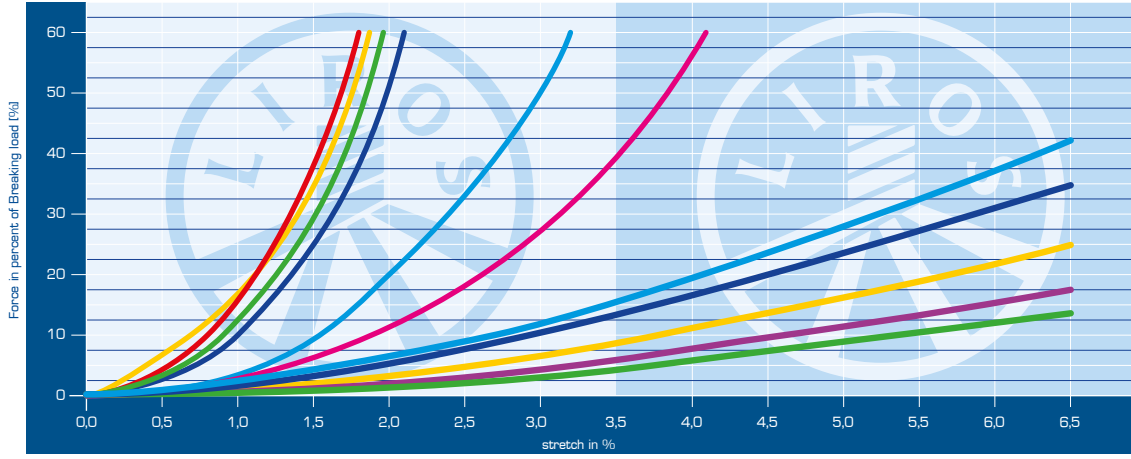
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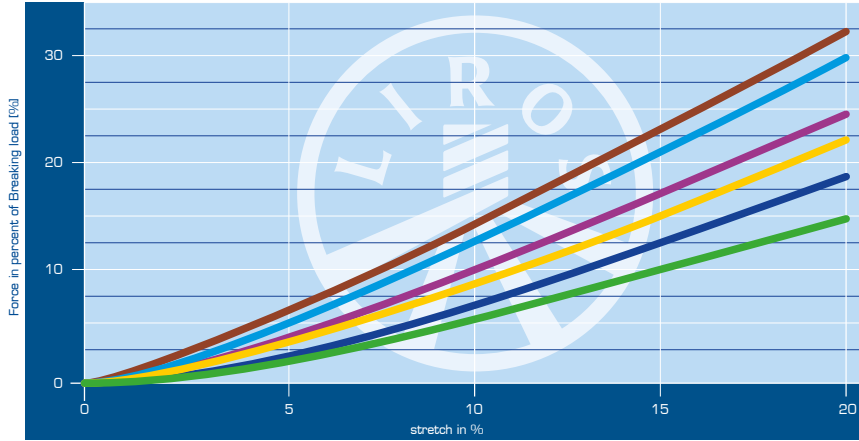
Performance

Cruising



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

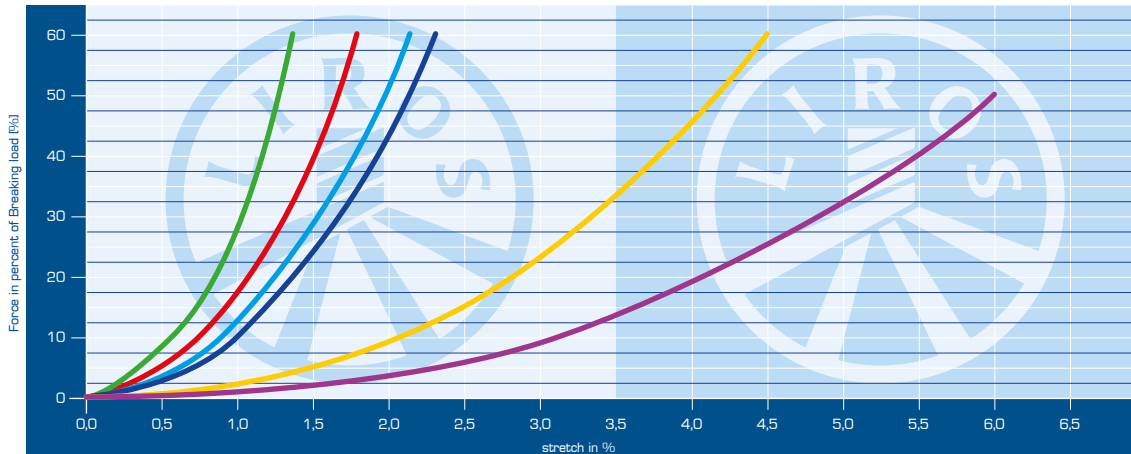
Mooring



- LIROS Squareline PP, LIROS Polyestertauwerk, LIROS Nautic
- LIROS Polyamidetauwerk
- LIROS Porto, LIROS Super Yacht Mooring
- LIROS Moorex 12
- LIROS Squareline Polyester
- LIROS Handy-Elastic

Magic Dinghy Performance

Magic








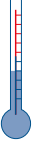
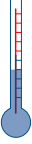
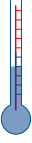


- LIROS Magic XTR
- LIROS D-Pro
- LIROS Magic Pro, LIROS Magic Race
- LIROS Magic Edge
- LIROS Magic Sport, LIROS Spi
- LIROS Magic Sheet

Comparing summary of synthetic fibres

	Material							
	Polyamide (PA) 6 und 6,6	Polyester (PES)	Polypropylen (PP) multifil hochfest	Polyethylene (PE)	High-tenacity Polyethylene (HMPE)	Aramid	LCP	PBO
Brand namen	Perlon Nylon				Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
Yarn strength								
cN/dtex	7 – 8	7 – 8,4	ca. 7	ca. 4,5	28 – 38	20 – 25	22 – 25	ca. 37
Specific weight								
kg/dm³	1,14	1,38	0,91	0,96	0,96	1,44	1,41	1,52
Strength loss due to humidity								
kg/dm³	5 – 10	0	0	0	0	0	0	0
Water absorption								
%	1 – 7	0,5 – 2	0	0	0	2 – 5	1	0,6
Knot tenacity								
%	60 – 65	55 – 60	55 – 65	50 – 60	35 – 50	30 – 40	30 – 35	35 – 55
Light resistance								
%	good	very good	only good when equipped	good	good	poor	poor	poor
Breaking stretch								
%	16 – 27	10 – 16	12 – 20	15 – 30	3,8	2 – 4	3,3	2,5
Abrasion resistance	very good	very good	fair	fair	good	adequate	good	poor

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	50 – 60	50 – 60	30	30	80 – 90	60	50
 Acids (50% concentr.) 25°C / 100°C Rest %	17/5 – 10	80/0	no reaction	no reaction	partially good resistance	very good resistance	good resistance
 Gasoline	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction
 Diesel and Oil	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction
 Solvents	formic acid & acetic at high temp.	phenols, cresols, zinc chloride	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction
 Alkali (Leaches)	resistant against weak solutions	resistant against solutions at 20°C; dissol- ves in solutions at 100°C	resistant against weak solutions	resistant	partially good resistance	very good resistance	very good resistance
 Insulating properties	very good; poor conductor	very good	excellent	excellent	excellent	excellent	excellent
 Highest temp. Short load approx. °C	130	170	80	70	400	200	550
 Range Exposure approx. °C	170	225	140	120	–	–	–
 Melting point approx. °C	215	260	170	150	chars at approx. 500°C	330	chars at approx. 650°C



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