



Unlimited Rope Solutions

Dinghy Performance
2019 / 2020



Quality
Ropes



Made in
Germany

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
- 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

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

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



Technora®
The power of Aramid
LIROS HSS
LIROS Heat-Stretch-System

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
- 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

Colour



713
Black-Copper

Cover

PBO/Dyneema® Mix

Construction

4–5 mm 16-plaited
6 mm 24-plaited

Core

braided, pre-stretch,
Dyneema® SK78

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



ZYLON
LIROS HSS
LIROS Heat-Stretch-System

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%
- grip factor 10
- 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
LIROS Heat-Stretch-System

Colours



178
Red-Black



652
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%
- grip factor 6
- 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-Blue



192
Black-Yellow



198
Black-Pink



199
Black-Red



381
Black-Silver



Cover

Spun dyed Polyester

Construction

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

Core

Dyneema® SK78

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
- 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

Colours



229
White-Blue

232
White-Green

236
White-Red



239
White-Black

501
White-Neon Yellow



LIROS HSS

LIROS LCS

LIROS HSS

Cover

Polyester Grip Fibre /
spun-dyed Polyester Mix

Construction

16-plaited

Core

coloured Dyneema® SK78 with
LIROS XTR Grip-Coating

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

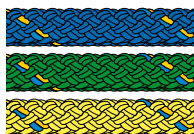
LIROS Magic Race

02016

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

- working stretch < 1,5%
- grip factor 6
- highly UV resistant
- low stretch
- high grip

Colours



010
Blue

086
Green

123
Neon Yellow



171
Red

188
Black

228
White



LIROS HSS

LIROS LCS

LIROS HSS

Cover

special high-twisted Polyester

Construction

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

Core

Dyneema® SK78 coated

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

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%
- grip factor 9
- 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



504
Grey-Turquoise



386
Grey-Red



LIROS HSS
with H.S.S. Heat-Stretch-System
LIROS LCS
with LCS Locking System

Material

Ideal hybrid of Dyneema® SK78 and Polyester grip fibres

Construction

8-plaited with core

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%
- grip factor 6
- 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



417
Neon Yellow-Pink



771
Neon Yellow-Silver



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%*
- *grip factor 9*
- *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*
- *best handling and non-kinking characteristics*

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 Fibre /
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

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



LIROS Spisheet Pro

02049-0000

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

- Individual LIROS 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

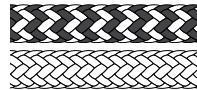


021
Blue-White



092
Green-White

179
Red-White

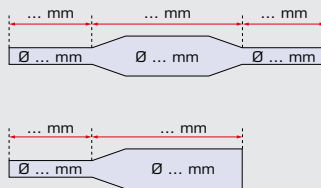


204
White-Black

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



LIROS Spi

02049

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

- working stretch < 3 %
- grip factor 9
- premium spun Polyester for optimal grip
- lowest stretch
- light weight

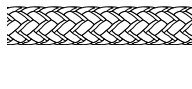


Colours



092
Green-White

179
Red-White



542
White NF

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

Cover

high-grip matt Polyester with Dyneema® SK78

Core

Dyneema® SK78 plaited



LIROS Soft Shackle

Reference	Breaking strength t	Colour	Working load t	app. Ø mm	Inner length mm
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 Deep Black	5	18	200

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

- No damages on deck or risk of injuries when operating by flapping metal parts
- 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



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

All sizes also available in deep black or silver!

Colours

	010 Blue
	059 Yellow
	086 Green
	171 Red
	228 White
	674 Deep Black



LIROS HSS
LIROS LCS

Material Dyneema® SK78

LIROS Stretch XTR

00199

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

- fantastic abrasion resistance
- very lightweight and longlasting
- low water absorption
- UV-resistant

Colour



239
White-Black



Cover
Dyneema®

Construction
16-plaited

Core
high quality Latex rubber

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



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 indispensable 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

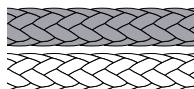
12-plaited, heat-set and coated

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
1	195	0,9	100
1,5	230	1,3	100
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	19200	131	100

Colours



010
Blue
059
Yellow
171
Red



205
Silver
228
White



188
Black (1 and 1,5 mm)
674
Deep Black (2 mm and up)



Not certified for lifting loads and personal security!



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
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1,2 20 x 20 m

Colour



199
Black-Red

Cover

Polyester

Construction

16-plaited with core

Core

Dyneema® SK78



LIROS V-Plus-XTR

04007

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

- grip factor 7
- no creep
- XTReMe low initial elongation
- high-tech XTR coating
- easy to splice
- heat resistant up to 200°C
- easy to cover with Protect-XTR

LIROS LCS
LIROS LINES & CABLES SYSTEMS

Vectran™

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

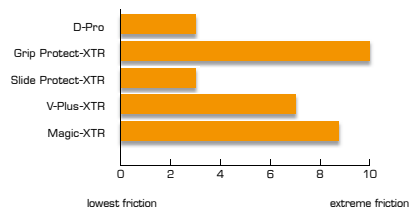


Grip Factor

LIROS has developed a premium range of yachting ropes which highlight a broad set of winch-hold and stoppergrip characteristics.

Extensive performance testing in the LIROS labs and feedback from the world's top sailors have yielded realworld results that professional sailors can rely on in their choice of lines. The LIROS Grip Factor provides one of the most important selection criteria for professional sailors and riggers to help select the perfect line for the grip conditions in question. Other critical decision factors such as breaking load and working stretch guarantee top performance out on the water.

Grip Factor is expected to improve during use.



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*
- *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*
- *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



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YouTube



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future of
sailing!



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SAILING TEAM**

