



LIRROS Yacht Ropes



LIROS Unlimited Rope Solutions

LIROS high performance products assures our customers worldwide, that they have made the right choice for all their applications. The wide ranging technical experience of the LIROS team with all kind of synthetic fibre ropes and the most modern machinery allow us to fulfil all our customers' individual requirements.

LIROS halyards, sheets, mooring lines and anchoring ropes are under sail on all the oceans around the world and can be found on race and cruising boats in all corners of the ocean. Lasting quality and high performance will continue to be the guiding principle, motivation and commitment for us and all the LIROS employees.

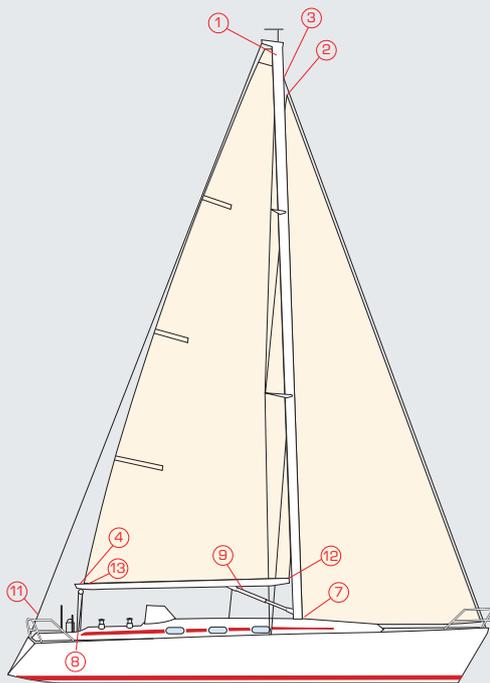
Sven Rosenberger

Karl Friedrich Rosenberger

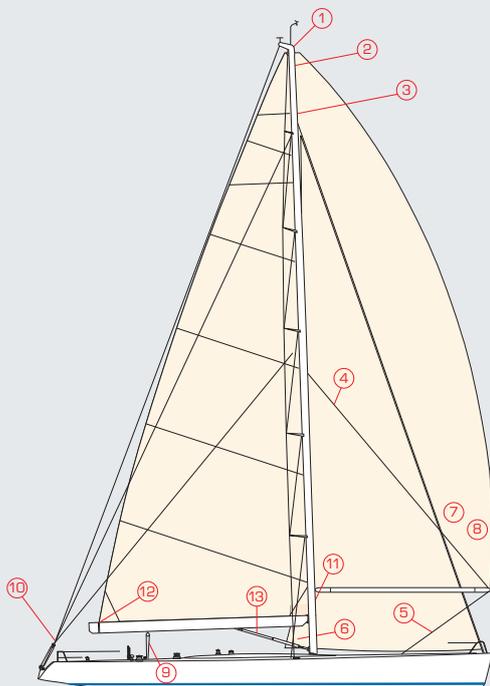
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LIROS Yacht Rope Recommendations



Cruising



Regatta

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

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LIROS Racer Pro

02005

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

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

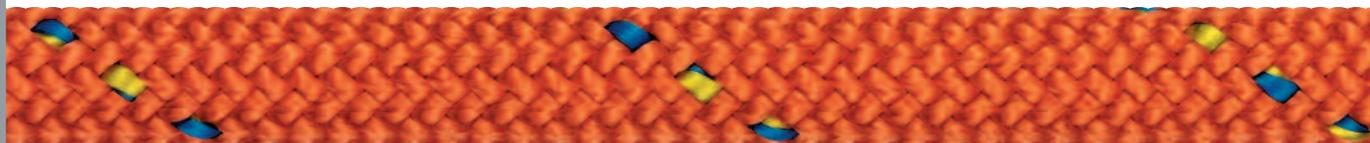
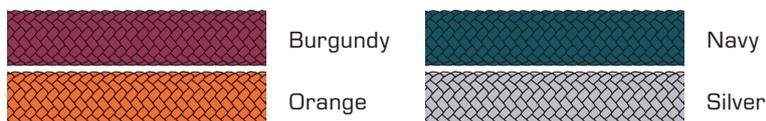


LIROS HSS
Heat Stretch System

Ø mm	Breaking strength kg	Weight kg/ 100 m
8	4700	5,3
10	6500	6,7
12	9900	9,6
14	13000	12,6

Cover	High twisted Polyester
Core	Dyneema® SK78 high impregnation
Construction	32-plaited

Colours



LIROS Racer

02001

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

- Stretch characteristics < 1,5%
- extremely high breaking strength
- easy handling, nonkinking
- for halyards and sheets
- winch suitability
- LIROS-Heat-Stretch-System

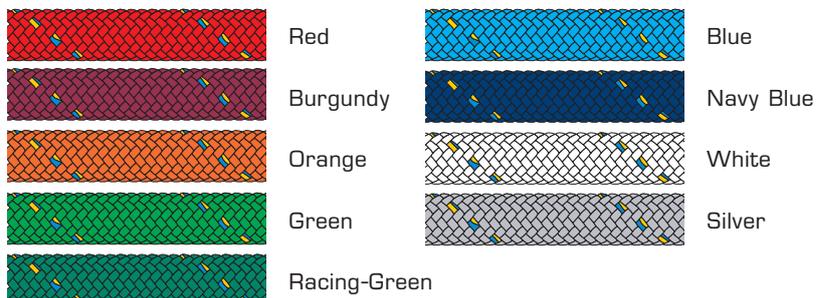


LIROS HSS
Heat Stretch System

Ø mm	Breaking strength kg	Weight kg/ 100 m
6	2200	2,7
8	3800	4,9
10	5000	6,9
12	7200	8,5
14	9500	11,5
16	11500	14,4
18	13500	17,9
20	16500	23,7
22	19700	28,5

Cover	Polyester high twisted
Core	Dyneema® SK75 with additional inner cover plait
Construction	6 mm 24-plaited from 8 mm 32-plaited

Colours



Recommendation of the German Yachtmagazine ›segeln‹ 01/2009. 16 Sheets and halyards of well-known producers were tested.



LIROS Regatta 2000

02000

Very low stretch rope for halyards, spinaker and genoa sheets, high tenacity, light and long durability top-performance rope, plaited cover gives excellent resistance to abrasion, additional cover between core which is made out of Dyneema® SK75 and outer cover preventing movement between the two when under extreme load.



LIROS HSS
Heat Stretch System

- *Stretch characteristics < 1,5%*
- *very high tenacity, light and excellent durability*
- *High performance Polyester in the cover makes it extremely resistant to abrasion*
- *also fullcoloured available (see Herkules Color p. 6)*
- *LIROS-Heat-Stretch-System*

Colours (Steel-Blue with marker yarn)



- Cover** Special polyester high twisted 1:1-plaited
- Core** Covered Dyneema® SK75 impregnated with additional cover plait

Ø mm	Breaking strength kg	Weight kg/ 100 m
2	240	0,3
2,5	310	0,5
3	500	0,7
4	750	1,1
5	1050	1,5
6	2200	2,5
8	3800	3,8
10	5000	6,1
12	7200	8,8
14	9500	13,2
16	11500	15,0
18	14800	18,0
20	18000	23,6
22	19700	28,2
24	23000	32,1

Performance
LIROS Regatta 2000



LIROS Dynamic plus

02004

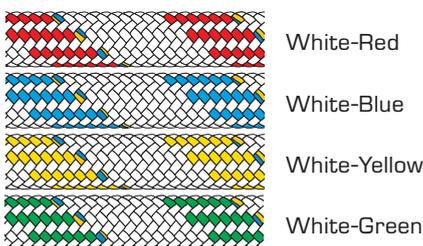
A new halyard or sheet rope using Dyneema® SK75. Light weight and low stretch make this rope ideal for cruiser / racer yachtsmen. Very flexible and non kinking due to the new 32-plait cover. LIROS Dynamic Plus is equally effective as a high performance sheet.



LIROS HSS
Heat Stretch System

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

Colours



Ø mm	Breaking strength kg	Weight kg/ 100 m
3	420	0,7
4	550	1,1
5	870	1,7
6	1100	2,1
8	2200	4,5
10	3400	6,7
12	4800	8,9
14	6500	11,9

- Cover** Polyester 32-plaited
- Core** Covered Dyneema® SK75 impregnated with additional cover plait

Performance
LIROS Dynamic plus



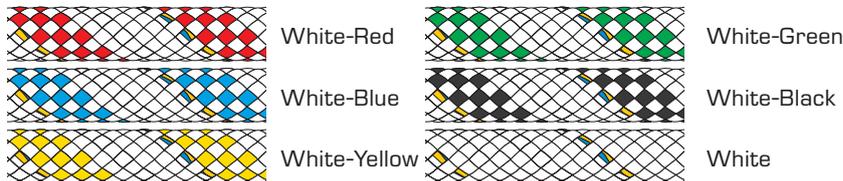
LIROS Herkules

00154

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

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

Colours



Cover Polyester high twisted, 1:1-plaited

Core High tenacity Polyester plaited

Ø mm	Breaking strength kg
4	400
5	650
6	800
8	1600
10	2500
12	3500
14	4500
16	5000
18	6300
20	7000
22	8000
24	9000
26	10500
28	12300

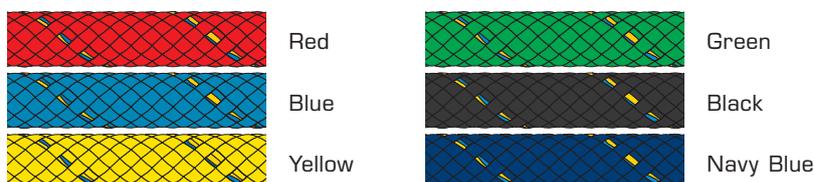
LIROS Herkules Color

01550

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

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

Colours



Cover Polyester high twisted, spin-dyed, 1:1-plaited

Core High tenacity Polyester plaited

Ø mm	Breaking strength kg
4	400
5	650
6	800
8	1600
10	2500
12	3500
14	4500
16	5000
18	6300
20	7000
22	8000
24	9000
26	10500
28	12300



LIROS Furler Pro

02010

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

- *Stretch characteristics <1,5%*
- *very good grip on winch drums*
- *simplifies reefing*



LIROS HSS
HealStretchSystem

Ø mm	Breaking strength kg	Length m
9-6	2300	15m ø 9mm + 10m ø 6mm
11-8	3600	15m ø 11mm + 15m ø 8mm

Colour



Silver

Cover Polyester high twisted 1:1-plaited

Core Dyneema® SK75 with additional cover plait

02010-0900

Tapering from 9 mm (15 m) to 6 mm (10 m) = 25 m

02010-1100

Tapering from 11 mm (15 m) to 8 mm (15 m) = 30 m

Performance custom

LIROS Furler Pro





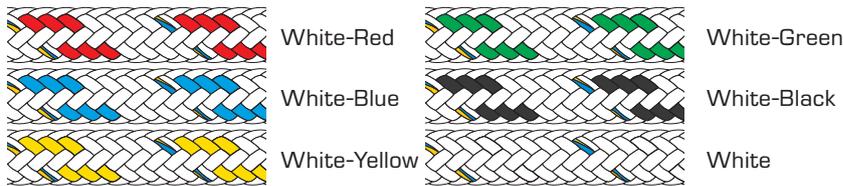
LIROS Top-Cruising

00152

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

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

Colours



Cover Polyester high tenacity
Core Polyester high tenacity plaited
Construction Ø 4 – 12 mm 16-plaited
 from Ø 14 mm 20-plaited

Ø mm	Breaking strength kg
4	450
5	780
6	1100
7	1300
8	1750
10	2700
12	3200
14	3800
16	5000
18	6500
20	7300

LIROS Top-Cruising-Color

01528

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

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

Colours



Cover Polyester spin-dyed
Core Polyester plaited
Construction Ø 6 – 12 mm 16-plaited
 from Ø 14 mm 20-plaited

Ø mm	Breaking strength kg
6	1100
8	1750
10	2700
12	3200
14	3800



LIROS Seastar LIROS Seastar Color

00162

00172

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

- *Stretch characteristics < 6%*
- *high quality matt yarn giving easy handling*
- *proven allround line for cruising yachts*
- *very good sheet for cruising yachts up to 35 feet*

Colour 00162



White

Colours 00172



Red



Green



Blue



Black



Yellow



Navy blue

Cover 00162 Polyester worsted yarn
Cover 00172 Polyester worsted yarn coloured
Core Polyester high tenacity plaited

Ø mm	Breaking strength kg
5	300
6	520
8	1000
10	1900
12	2400
14	2900
16	3500
18*	4500
20*	5300

* only art. 00162 available

Construction

Ø 5 to 10 mm
16-plaited
from Ø 12 mm
24-plaited



LIROS Nautic

01072

Spinnaker sheet for dinghies or small keelboats, soft, very light and easy to handle, can also be used as light weather sheet – and water-ski rope, floats. Made from UV-stabilized Polypropylene multifilament. Ø 1,5 mm to 5 mm without, Ø 6 mm to 14 mm with guarantee yarn in blue/gold.

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

Colours



Red



Black



Blue



Brown



Yellow



Grey



Green

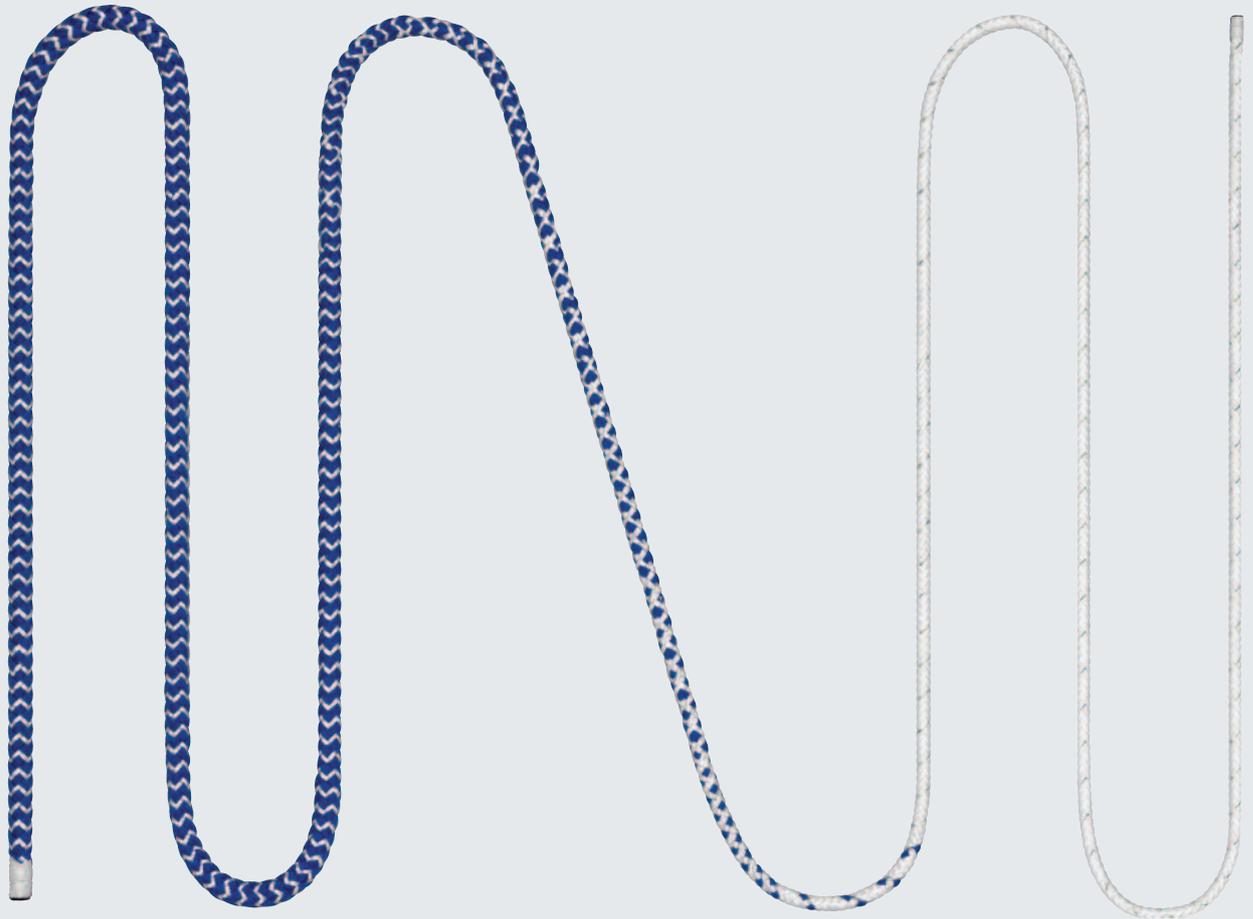
Ø mm	Breaking strength kg
6	550
8	900
10	1230
12	1700
14	2000
16	3700

Material

Polypropylene multifilament

Construction

8-plaited



LIROS Dyneema®-Spisheet-Special 02049

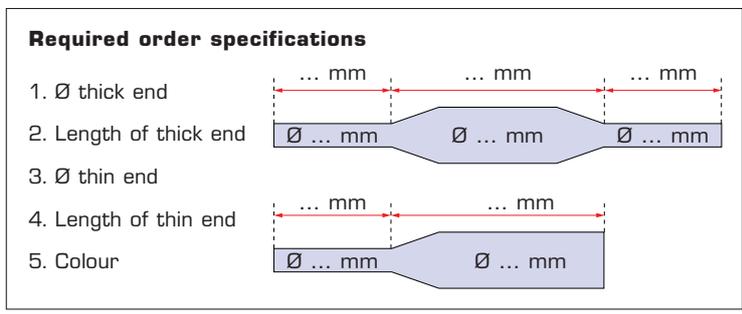
Very light weight, high quality, individually tapered spi sheet with extremely low stretch and high strength thanks to a new construction using a high proportion of Dyneema® SK75. Minimum water absorption.

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

Cover Thick part – staple spun matt Polyester mixed with Dyneema® SK75
Thin part – 100% Dyneema® SK75

Core Dyneema® SK75

Available diameters
3 to 5 mm
4 to 6 mm
4 to 8 mm
4 to 9 mm
5 to 8 mm
5 to 9 mm
5 to 10 mm
5 to 12 mm
6 to 8 mm
6 to 9 mm
6 to 10 mm
6 to 12 mm



Colours

	Red-White
	Blue-White
	Yellow-White
	Green-White
	Black-White
	White-White



LIROS Magic Sheet LIROS Magic Pro

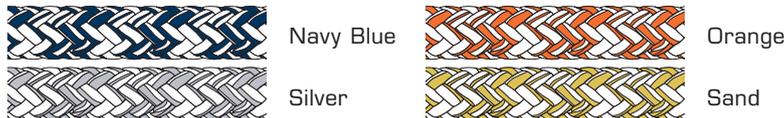
01506

01507

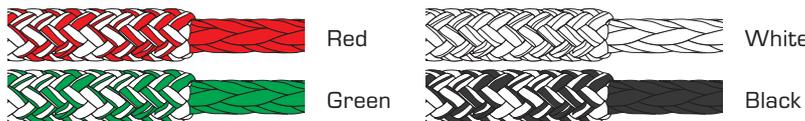
LIROS Magic Sheet is a new sheet designed for dinghies, catamarans and sports boats. Ideal for main sheets and jib sheets.
LIROS Magic Pro is a halyard or a sheet designed exclusively for dinghies, catamarans and sports boats. The low stretch characteristics are delivered by the LIROS Dyneema Pro core.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

- Compact construction
- Maximum flexibility
- Perfect handling
- LIROS-Heat-Stretch-System for low stretch characteristics (Art. 01507)
- Perfect for tapering (Art. 01507)

Colours 01506



Colours 01507



Ø mm	Breaking strength kg
4**	620
5**	1250
6**	1600
7*	970
8**	3000
9*	1500
10**	4300

* Article 01506

** Article 01507

Cover

Polyester Grip Fiber and Polyester high tenacity

Core 01506

Polypropylene high tenacity

Core 01507

Dyneema® SK75 with LIROS Coating

Dinghy
LIROS Magic



LIROS D-Pro

01505

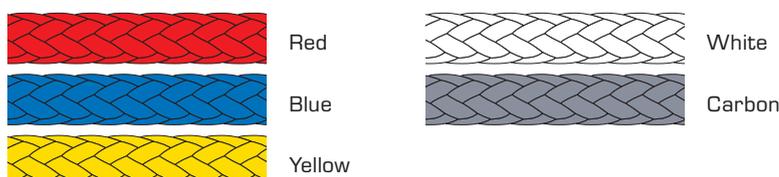
D-Pro provides cutting edge performance on modern performance dinghies and sports boats. Especially developed for transmitting the highest loads to deliver maximum speed. An all purpose rope which the lowest weight and minimum stretch incorporating the LIROS HSS. High abrasion resistance and zero water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

- Stretch characteristics < 1%
- higher breaking strength than wire diameter for diameter
- very low stretch
- no water absorption
- easy to splice
- also available as Magic-V-Pro in Vectran
- LIROS-Heat-Stretch-System



Ø mm	Breaking strength kg
1	130
1,5	220
2	380
2,5	550
3	900
4	1250
5	2600

Colours



Material

100% Dyneema® SK75

Construction

12-plaited, LIROS HSS, LIROS coating

Dinghy
LIROS D-Pro



LIROS Magic Gold

01500

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

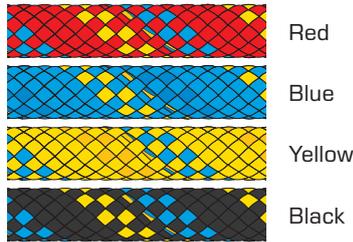
- *Stretch characteristics < 1,5%*
- *Excellent abrasion resistance*
- *Very low stretch characteristics due to Dyneema®*
- *LIROS-Heat-Stretch-System*
- *1,5 mm diameter without fleck: yellow, pink, violet and black*



LIROS HSS
HeatStretchSystem

Ø mm	Breaking strength kg
1,5	125
2	240
3	420
4	580
5	1200
6	1800

Colours



Cover	Polyester
Core	100% Dyneema® SK75
Construction	1,5–5 mm 16-plaited 6 mm 1:1-plaited

LIROS Magic Race

02016

High Performance Sheet and Halyard with perfect strength and very low stretch. Very compact round construction gives great performance in blocks, cleats and winches.

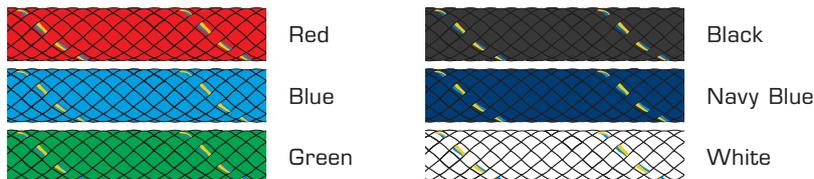
- *Stretch characteristics < 1,5%*
- *LIROS-Heat-Stretch-System*
- *Extreme high strength*
- *Compact and long lasting*



LIROS HSS
HeatStretchSystem

Ø mm	Breaking strength kg
2	270
2,5	360
3	540
4	750
5	1050
6	2400

Colours



Cover	Specially high twisted Polyester
Core	100% Dyneema® SK75 with LIROS coating
Construction	2–3 mm 16-plaited 4–6 mm 1:1-plaited



„For best results you need to have the best quality rope. Therefore we decided to go with LIROS”

Jan Peckolt Hannes Peckolt

Jan Peckolt, Hannes Peckolt
Bronze medal 49er, Olympic 2008



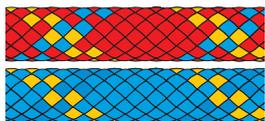
LIROS Magic Speed

01501

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

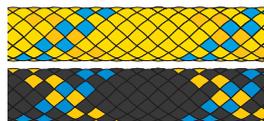
- *Stretch characteristics < 5%*
- *Excellent abrasion resistance*

Colours



Red

Blue



Neon Yellow

Black

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

Ø mm	Breaking strength kg
2	95
3	185
4	320
5	680
6	940

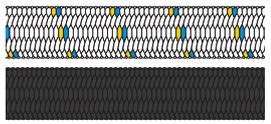


LIROS Shock Cord 00190

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

- Individual adaptation concerning colours
- Round, abrasion resistant construction
- reliable and long lasting quality

Colours



White
Black

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

Ø mm
3
4
5
6
7
8
10
12
14

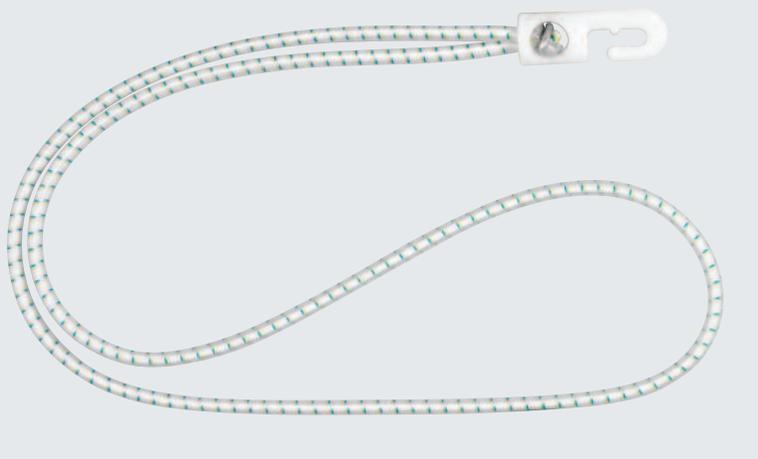
LIROS Sail Ties 00187-2525

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

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



01901 with hook



01902 with cone



LIROS Elastic Straps 01901/01902

High quality Rubber shock cord stropps with Polyester cover braid and high tenacity hook for a multitude of applications.

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

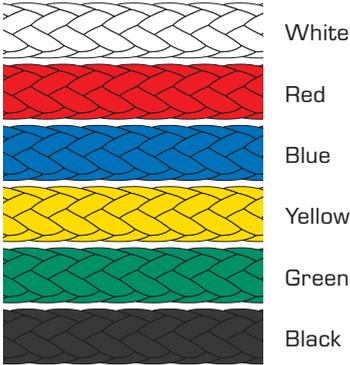


LIROS Soft Shackle

Ref.	Breaking strength t	Colour	Safe working load t*	approx. Ø mm
00146-0066	1	White	0,5	6
00146-0069	2	Red	1	12
00146-0070	4	Blue	2	16
00146-0071	6	Yellow	3	18
00146-0072	8	Green	4	20
00146-0073	10	Black	5	24

*t = tons

Colours



The LIROS Soft Shackle is a perfect replacement for traditional metal snap shackles and screw shackles. The method of using the Soft Shackle is very simple and needs no tools. The main advantages of this shackle are:

- No damage to the deck
- 10 x lighter than a metal shackle with equivalent breaking strength
- Easy to handle without tools
- Locking system even when not under load
- Colour coded breaking strengths
- Multiple applications for yachting, outdoor and industry.

Material 100% Dyneema® SK75

Performance custom

LIROS Soft Shackle





LIROS Handy-Elastic

00136/00137

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

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

Colours 00136



Navy Blue/Gold

Black

Colour 00137



White

Ø mm	Breaking strength kg
8	1600
10	2500
12	3700
14	4800
16	6000
18	8200
20	9400
22	10600
24	12000

Cover

Polyamide high tenacity, 1:1-plaited

Core

high tenacity elastic
Polyamide braid



LIROS Porto

00133

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

- *Stretch characteristics > 15 %*
- *very easy to splice*
- *very easy to handle*
- *high strength and excellent abrasion resistance*
- *the construction gives excellent flexibility and high stretch characteristics*
- *available ready spliced*

Colours



White/Black

Navy Blue

Black

Ø mm	Breaking strength kg
8	1650
10	2200
12	3400
14	4300
16	4900
18	6300
20	7400
22	8900
24	9600

Cover

Polyester high twisted 20-plaited

Core

High tenacity
Polyester braid



LIROS Squareline-PES

01047/01049

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

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

Colour 01047



White

Colours 01049



Black



Navy Blue

Material Polyester high tenacity

Construction 8-strand

Ø mm	Breaking strength kg
8	1550
10	2000
12	2400
14	3800
16	4700
18	5800
20	7600
22	8600
24	11600
26	13700
28	15000

Mooring

LIROS Squareline-PES



LIROS Moorex 12

00132

A new generation of mooring warp. Extremely flexible combining great handling and ease of use. Very stretchy which removes the need for a mooring shock absorber. Special construction – a hollow braid for easy splicing together.

- *Stretch at working load >20%*
- *very easy to handle*
- *quick splice construction*
- *high stretch removes need for mooring rubber*
- *available ready spliced*

Colours



Navy Blue



Black

Material Polyester high tenacity

Construction 12-plaited

Ø mm	Breaking strength kg
10	2500
12	3000
14	3700
16	4200
18	4800
20	6000
22	7500

Mooring

LIROS Moorex 12



LIROS Lirolen

01120/01123/01126

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

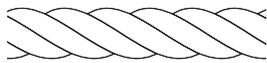
01120: Polypropylene multifilament, heat set, white

01123: spin-dyed Polypropylene multifilament, heat set

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

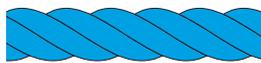
- *Stretch characteristics > 15%*
- *very easy to splice*
- *low-priced allround line*
- *no water absorption*
- *floats*

Colour 01120



White

Colours 01123



Blue

Colour 01126



Hemp



Black



Navy Blue

Material Polypropylene multifilament

Construction 3-strand, heat set

Ø mm	Breaking strength kg
4	280
5	400
6	590
8	1040
10	1600
12	2200
14	3000
16	3700
18	4700
20	5700

LIROS Polyester Rope

00111/01110

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

- *Stretch characteristics > 15%*
- *very easy to splice*
- *extremely tensile and abrasion resistant*
- *does not stiffen up*
- *heat set*
- *available ready spliced*

Colour 00111



White

Colour 01110



Black



Navy Blue

Material Polyester high tenacity

Construction 3-strand, heat set

Ø mm	Breaking strength kg
3	280
4	400
5	600
6	800
8	1400
10	2000
12	2600
14	3600
16	5000
18	6000
20	7000
22	9000
24	10500
30	14800



LIROS Handy-Anchor 01320/01322

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

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

- usable without chain
- especially easy to handle
- very easy to stow

Colour 01320



White-Blue

Colour 01322



White

	Ø mm	Breaking strength kg	Length m	Weight kg
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01320	10	1500	30	4,15
	10	1500	40	4,9
	12	2200	30	5,0
	12	2200	40	6,3
	14	3100	40	8,5
	16	4000	40	10,8

All lengths with 10 m lead core.

01322	12	2200	30	8,4
	12	2200	40	10,3
	14	3100	40	11,7
	16	4000	40	13,9

All lengths completely with lead core.

Cover	Polyester
Core	Polyester braided with lead
Construction	20-plaited



LIROS ClassTech

01127

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

- working load <8%
- long lasting and UV-resistant
- resistant to acids and alkalis
- high abrasion resistance
- very easy to splice
- floats

Colour



Hemp

Material Highly resilient PP-Synthetic fiber

Construction 3-strand

Ø mm	Breaking strength kg
10	1450
12	2100
14	2800
16	3580
18	4630
20	5560
22	6750
24	7560
26	9000
28	10200
32	11100



LIROS Classic 3-strand

01172

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

- very easy to handle and easy to grip
- ideal for all classic applications

Colour



Hemp

Cover Polyester worsted yarn

Construction 3-strand

Ø mm	Breaking strength kg
6	350
8	730
10	1100
12	1300
14	1700
16	2200
18	3500
20	4900



LIROS Riggers Bag

00146-0056

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

To consist of:

- 1 x LIROS Whipping needle
- 1 x Swedish fid
- 3 x Splicing needles (5,5 – 7,5 – 10mm)
- 1 x LIROS brochure
- 1 x LIROS Splicing CD
- LIROS-Tape
- LIROS Dyneema® whipping twine
- 1 x pen
- 1 x LIROS lighter
- 1 x LIROS Wet Notes Block



LIROS Wet Notes

00146-0103

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



11090



11091

LIROS Swedish fid

11090/11091

Reliable splicing tool for 3-strand and octoplaited ropes.

11090 – up to 12 mm

11091 – from 14 mm



LIROS Whipping needle

00143-4000

Field-tested tool for splicing. Applicable without sail-maker gloves. To save time and energy while whipping ropes from 4 mm diameter and up.



LIROS Splicer

00143

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

	Size	Rope mm
00143-1000	1 small	6–8
00143-2000	2 medium	10–12
00143-3000	3 large	12–18



LIROS Splicing tool Assortment 00143-5000

4 high quality splicing tools out of high-grade steel, suitable for splicing lines with diameters between 3 and 14 mm. Usable for both plaited and twisted ropes. In practical plastic pipe.



LIROS Heat Cutter **00146**

For cutting and sealing of synthetic cord and lines, width of cutting edge 21 cm.

Professional Cutting of synthetic ropes in all diameters. Made in Germany.

00146-0001 Replacement Blade

Recommended rope diameter



Regatta	Sailing surface [m ²]									
	10	20	30	40	50	60	70	80	90	100
02005	-	-	8	8	8	10	10	12	12	14
02001	-	6	8	10	10	12	12	14	14	16
02000	5	6	8	10	10	12	12	14	14	16
02004	6	8	10	12	14	14	14	-	-	-
00154/01550	8	10	12	14	16	18	20	20	22	24

Cruising	Sailing surface [m ²]									
	10	20	30	40	50	60	70	80	90	100
02001	-	6	8	10	10	12	14	14	16	16
02000	5	6	8	10	10	12	12	14	14	16
02004	6	8	10	12	14	14	14	-	-	-
00154/01550	6	8	10	12	14	14	14	16	16	18
00152	6	8	10	12	14	14	14	16	16	18
01528	6	8	10	12	14	14	14	16	16	18
00162	6	8	10	12	14	14	16	18	18	20
00172	6	8	10	12	14	14	16	18	18	20

Für Achterholer einen Durchmesser stärker wählen!

**PRAXIS
TIPP**

Attention: Use always the correct clutch concerning to the diameter of the rope.
A wrong clutch will cause damage to the yacht ropes.

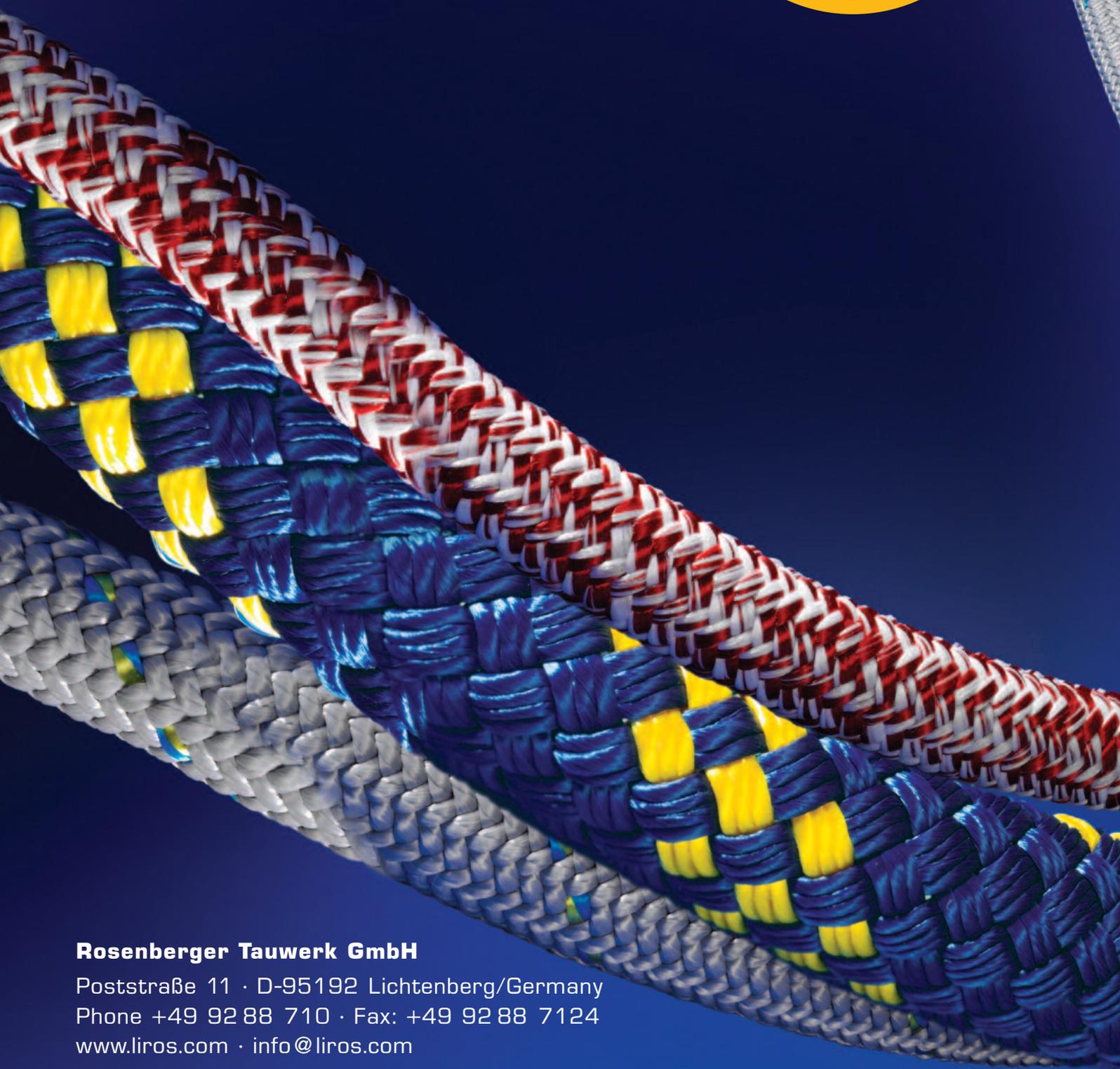
Mooring, Anchoring	Weight in tons										
	0,2	0,6	1	2	6	12,5	25	40	60	75	100
00136/00137	10	12	14	14	16	18	20	22	24	26	28
00133	10	12	14	14	16	18	20	22	24	26	28
00132	10	12	14	16	18	20	22	-	-	-	-
01120/01123/01126	12	14	16	16	18	20	22	24	26	28	30
00111/01110	10	12	14	14	16	18	20	22	24	26	28
01320/01322	10	12	14	14	16	-	-	-	-	-	-
01047	10	12	14	14	16	18	20	22	24	26	28

LIROS is recommending 4 mooring lines for every boat.
2 x 1,5 x length of boat (m) and 2 x 1,0 x length of boat (m)

**PRAXIS
TIPP**

Attention: Please make an optical check of your running rigging before the sailing trip.
Change the rope if parts of the rope are cut or destroyed from abrasion.

Splicing instructions please find on www.liros.de/spleissanleitungen.aspx



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Please find your LIROS dealer on www.liros.de/distributoren.aspx