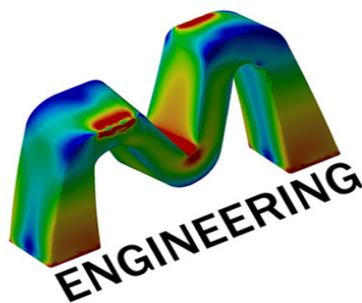




FSE ROBLINE

# WORLD CLASS YACHTING ROPES



**Phantom**

**FSE ROBLINE**  
WORLD CLASS YACHTING ROPES

**KARVER**  
sailing experience

DECK GEAR SPECIALIST  
RUNNING & STANDING RIGGING  
PROJECT MANAGEMENT  
YACHT MANAGEMENT  
ENGINEERING

Marko Novak S. P.  
Podgrajska cesta 1d, 1000 Ljubljana, Slovenia  
GSM: +386 41 21 31 24  
e-mail: marko.novak@m-engineering.org  
web: www.m-engineering.org, www.msailing.eu

**FSE ROBLINE**  
WORLD CLASS YACHTING ROPES





## TRADITION MEETS INNOVATION

Established 220 years ago, TEUFELBERGER is a producer of high-performance steel and fiber ropes for various different applications such as yachting ropes, ropeway ropes, and industrial ropes. What started back in 1790 as a shop making hemp ropes for use in farming has evolved into a dynamic, innovative group of enterprises that operates as a worldwide production, development, and distribution network.

Innovation, ingenuity, and reliability are all characteristics of great importance to sailors, whether in regatta racing or recreational sailing. Drawing on its long-standing expertise and innovative power in manufacturing fiber ropes, the FSE Robline division of TEUFELBERGER lives up to these standards, again and again, day after day.

We, the entire team at FSE Robline, decided to implement a fundamental change for the 2012/13 season. Starting this upcoming sailing season, we will use only Dyneema® SK 78 in our high-tech products, instead of Dyneema® SK 75. This technical upgrade will benefit our entire product line, and you will be getting significantly improved products for the same price.

Besides, starting this upcoming season, you will have access to our Racing.Tool.Box. As a consequence, in our Racing segment, you yourself will be able to design your rope such that it ideally suits your needs. Tailor your perfect rope from a vast selection of high-tech cores and covers, or use our FSE Robline App with the integrated rope selector.

In addition to these fundamental innovations, we focused on improving various details in our product portfolio. We modified our coating and developed new products such as Admiral 5000, Riva.Flex, or Dinghy Star. Furthermore, our development team accomplished several upgrades of existing products like Admiral 7000 or Admiral 3000.

We are now all ready to sail into the new season. We are convinced that choosing a product made by FSE Robline is a surefire way for you to get a lot of fun and satisfaction out of your sailing trips.

The following pages and our new FSE Robline App feature detailed descriptions of these and all other novelties and innovations. Enjoy sailing with the FSE Robline product of your choice!

Your FSE Robline Team



[www.fse-robline.com](http://www.fse-robline.com)

FSE Robline is an international trademark

ORGANIC™ is a pending trademark of  
TEUFELBERGER Ges.m.b.H.











## EXPLANATION OF TECHNICAL DATA

YOU WILL FIND THE DATA BELOW ON THE FOLLOWING PAGES FOR EACH PRODUCT:

**DIAMETER**  
**LENGTH**  
**BREAKING LOAD IN DAN**  
**WEIGHT PER METER**

Ø mm	m	daN	g/m	red-orange-grey	green-neongreen-grey	black-purple-grey	black-grey-grey
6	200	2200	25	9165	9171	9177	9183
8	200	3800	43	9166	9172	9178	9184
10	200	5800	62	9167	9173	9179	9185
12	150	8000	90	9168	9174	9180	9186
14	100	10500	124	9169	9175	9181	9187



**ROPE LENGTH:**

The rope is measured in consideration of EN ISO 2307 standard

**DIAMETER OF ROPE:**

Indicated diameter is always the maximum diameter.

**m:**

Length of rope per spool or coil.

**daN:**

Is the measure for tractive power. **1 daN is approx. 1 kg, or 2.2 pounds**

**BREAKING LOAD:**

The detail in daN shows the load under which the rope would part. These loads are values which are approved as a result of laboratory testing. Performance in actual conditions may vary. Our sizing recommendations are based on breaking loads that are five times the working load.

**WEIGHT PER METER :**

The figures refer to one meter of rope. The length of the rope can change during use, so figures are based on new cordage.

**MATERIAL:**

The sample shows a 24-braided Polyester-cover with a 12-braided core of Dyneema® SK75.

**n / \*:**

n = Available only on demand / \* coil

## SYMBOLS



**HALYARD**



**CROSSOVER**  
Sheet / Halyard



**DOCK LINE**



**SHEET**



**TRIM**



**ANCHORING**

## WARNING



The misuse of ropes can be dangerous. Our products may only be used for the purpose they are designed for. The user is responsible for the proper application and supervision of the rope's use and assumes the user is familiar with the necessary safety precautions. We recom-

mend a splice as end connection for all of our products. For Dyneema® products (such as Ocean 3000 for example) a splice is the only option that should be used, as knots can come undone under a load.






# CONTENT

	ROPE GUIDE	Choosing the right rope	006
	RACING.TOOL.BOX	Configure your own High-Tech Rope	014
	PERFORMANCE	Admiral 7000, Admiral 5000, Admiral 3000, Globe 5000, Globe 3000, Globe 1000, Ocean 3000 XG, Vectran® 3000, Stronger than steel-Shackle	020
	CRUISING	Sirius 500, Sirius 300, Orion 500, Orion 300, Neptun 500	028
	DINGHY	Dinghy Star Pro, Dinghy Star, Dinghy Vectran®, Ocean 7000, Dinghy Control, Racing Sheet Pro, Racing Sheet, 8-Plaited Dinghy Pro, 8-Plaited Dinghy, Dinghy Light, Dinghy Sheet, Tapered Sheet 3000, Saturn, Albatros	034
	TAPERED SHEETS	Opti Main Sheet, 420 Spi-Sheet, 470 Spi-Sheet, Cat-Sheet, Spi-Sheet endless, Generic Tapered Sheet	042
	DOCK LINE	Newport, Portofino, Riva.Flex, Rio, Monte Carlo, Rapallo, Cormoran, Palermo	044
	READY MADE PRODUCTS	Sirius with soft shackle, Sirius with shackle, Sirius with swivel, Globe 1000 with shackle, Rapallo, Cormoran, Rio, ORGANIC™ Twisted Fender Line, ORGANIC™ Braided Fender Line, Twisted Fender Line, Braided Fender Line, Buoy Mooring Line, Bonifacio Winch, Poseidon, Extension Mooring, Miami, Wire Lock	050
	ALLROUND ROPES	Floating Security Line, PES 16, PES 8, PA 8, XLF 8, PA 16-Start	058
	SAILMAKER	Shock Cord, Polynite, Profil-Line, GFL 7000, CZL, Leech Line 3000 Trimline Orion 500, Trimm- und Liek-Leinen, Takelgarne	060
	TRADITIONAL ROPES & ACCESSORIES	Dyneema® Classic, Classic 5000, Classic-Tex, Spunflex, Accessories and Aids for all Areas of Sailing	064
	USEFUL FACTS	Teufelberger Group, Raw Materials, FSE Robline Support	069





# ROPE GUIDE



## ROPE GUIDE

Getting exactly the right yachting ropes for your purpose means finding the right combination of core and cover properties, that is, the right performance mix in terms of breaking load, stretch, abrasion resistance, and service life. Our product range offers you a great variety of options. In order to ensure that your new ropes will best cater to the specific requirements aboard your vessel, we developed the FSE Robline Rope Guide!

Use our new Rope Guide and find your ideal rope from our portfolio of Performance, Cruising, Dinghy, Mooring, and Anchor ropes. It's fast and easy!

But if what you are looking for is customized ropes for competitive regatta racing, our new Racing.Tool.Box allows you to custom-tailor your rope from a vast selection of high-tech cores and covers.



App Store

**Test our latest cutting-edge products, and download our new FSE Robline app!**



# WHAT TYPE OF SAILOR AM I? WHAT TYPE OF ROPE DO I NEED?

## Step 01



### RACING.TOOL.BOX



Our Racing products are ropes meeting the highest demands.

These ropes are made exclusively of high-tech materials and fibers and excel especially due to their high degree of customization allowing them to live up to the highest expectations.



### PERFORMANCE



Our Performance products were developed specifically for competitive regatta racers

who rely on having the best equipment for the right application. In performance sailing, we all know there is little margin for error. Choosing the right material for its intended application is our goal.



### CRUISING



Our success proves us right:

based on a wealth of experience, FSE Robline defines the standards for cruisers. In producing Sirius, FSE Robline has - for many years - set the benchmark for Polyester ropes. And to ensure that you will always sail with the best ropes, continued development is the main focus - to make your sailing trips sheer pleasure.



### DINGHY



Whether for sheets or halyards -

when sailing on dinghies what counts are the ropes' handling and their breaking loads. In close cooperation with our partners from the pro sailing scene, we have developed ropes that stand out due to their performance - at the Olympic Games, World Championships, and national regattas.



### DOCK LINE & ANCHOR LINES



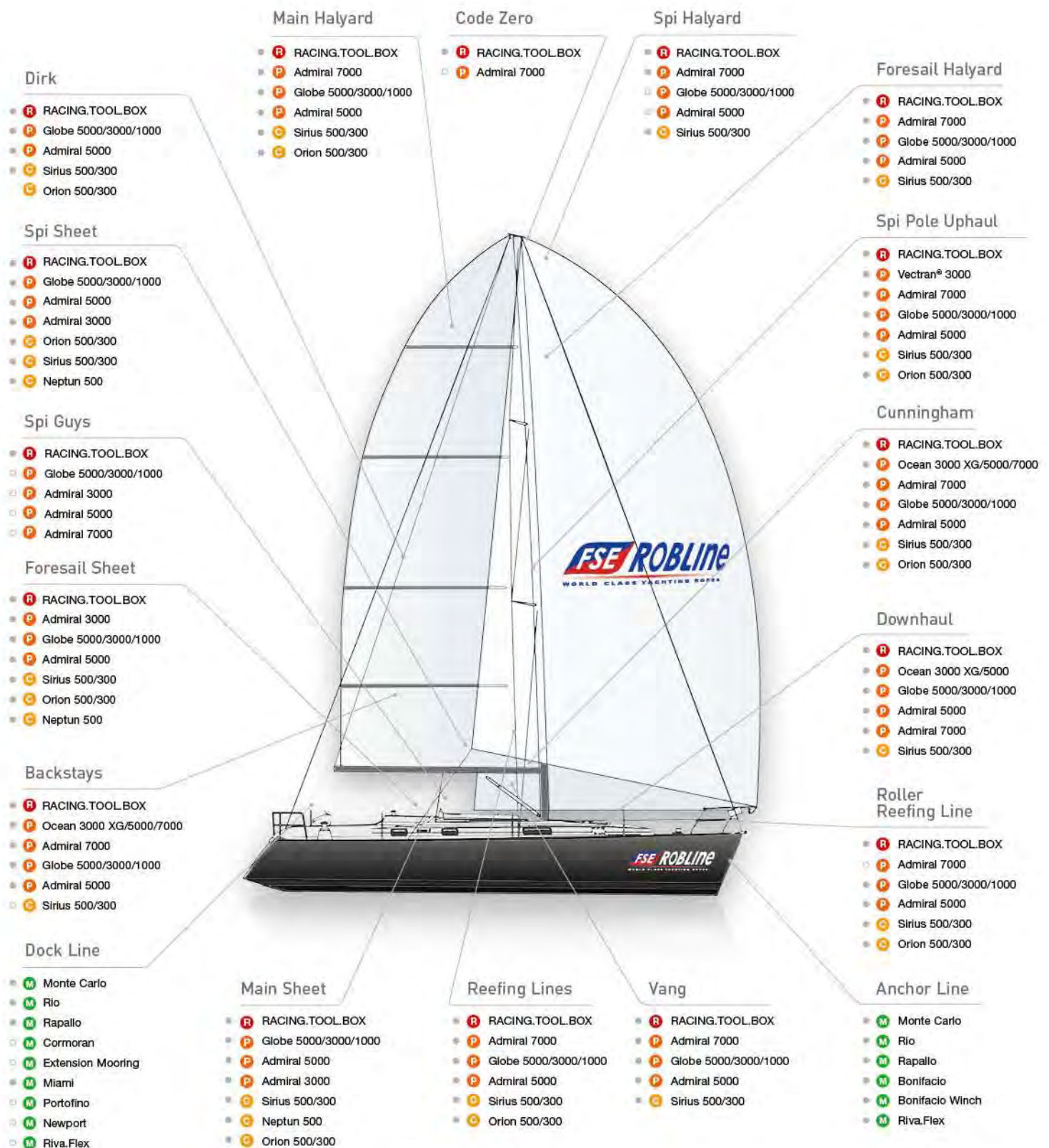
Yachting ropes made by FSE Robline are being used all around the globe, and for several good reasons.

In the case of mooring and anchor lines, special attention is paid to abrasion resistance, stretch and spliceability. There is no doubt that all these properties are perfectly combined in our FSE Robline products.





# WHAT ROPE DO I NEED?











# Step02



## WHAT ROPE DIAMETER DO I NEED?

### HALYARDS AND SHEETS

Your yacht	Ø mm Halyards			Ø mm Sheets		
	Spi	Genoa	Main	Spi	Genoa	Main
6-8 m	8	8	8	10	10	10
9 m	8	10	10	10	12	10
10 m	10	10	10	10	14	12
11 m	10	12	10	12	14	12
12 m	12	12	12	12	14	12
14 m	12	12	12	14	14	12
16 m	12	14	12	14	14	14
18 m	14	14	14	14	14	14
24 m	16	16	16	16	16	16
						

Because of the strength of advanced fibers such as Dyneema®, line diameter can be reduced by as much as 2 mm. Breaking strengths, stretch and diameter information developed by FSE Robline are general guidelines to use when selecting cordage. Actual application can vary according to boat type and application.

### DOCK LINE

Your yacht	Weight in tons	Dock line Ø mm	Anchoring Ø mm
6-8 m	2	8-10	12
9 m	4	12	14
10 m	5	12	16
11 m	7	14	16
12 m	8	14	18
14 m	11	16	20
16 m	12	18	20
18 m	20	24	24
24 m	22	26	26

Actual application can vary according to boat type and application.





# WHICH CHARACTERISTICS DOES MY ROPE HAVE?

## FEATURES















### PRODUCT

FEATURES															
PRODUCT		lowest stretch and highest breaking loads	good UV-stability	abrasion resistant	low weight	floating	soft	kink free	resistance to high temperatures	good ability on winches	good in cleats	high breaking loads	spliceable	low water absorption	high breaking loads at low weight
PERFORMANCE															
Admiral 7000		X	X	X	X		X			X	X	X	X	X	X
Admiral 5000		X	X	X	X		X	X		X	X	X	X	X	X
Admiral 3000		X	X	X	X		X	X		X	X	X	X	X	X
Globe 5000		X	X	X	X		X	X		X	X	X	X	X	X
Globe 3000		X	X	X	X		X	X		X	X		X	X	
Globe 1000		X	X	X	X		X	X		X	X		X	X	
Ocean 3000 XG		X	X	X	X	X	X					X	X	X	X
Vectran® 3000		X		X	X		X		X			X	X	X	X
CRUISING															
Sirius 500		X	X	X	X		X	X	X	X	X	X	X	X	X
Sirius 300		X	X	X	X		X	X	X	X	X	X	X	X	X
Orion 500			X	X	X		X	X	X	X	X	X	X	X	
Orion 300			X	X	X		X	X	X	X	X	X	X	X	
Neptun 500					X		X	X	X			X	X		



## Step03

## PRODUCT

PRODUCT														
	lowest stretch and highest breaking loads	good UV-stability	abrasion resistant	low weight	floating	soft	kink free	resistance to hightemperatures	good ability on winches	good in cleats	high breaking loads	spliceable	low water absorption	high breaking loads at low weight
DINGHY														
Dinghy Star Pro	X		X	X		X	X	X	X	X	X	X	X	X
Dinghy Star	X	X	X	X	X	X	X		X	X	X	X	X	X
Dinghy Vectran®	X	X	X	X		X	X	X	X	X	X	X	X	X
Ocean 7000	X	X	X	X	X		X				X	X	X	X
Dinghy Control	X	X	X	X		X	X	X	X	X	X	X	X	X
Racing Sheet Pro	X	X	X	X		X	X		X	X	X	X	X	X
Racing Sheet	X	X	X	X		X	X		X	X	X	X	X	X
Dinghy Sheet		X	X	X		X	X		X	X		X	X	X
8-plaited-Dinghy	X	X	X	X		X		X	X	X			X	
8-plaited-Dinghy Pro	X	X	X	X		X		X	X	X			X	
Dinghy Light				X	X	X	X		X				X	
Tapered Sheet 3000	X	X		X		X	X	X	X	X	X	X		X
Saturn		X	X	X		X	X	X	X	X		X	X	
Albatros				X	X	X	X						X	
DOCKLINE														
Riva.Flex		X	X			X	X	X			X	X	X	
Portofino		X	X	X		X	X	X	X	X	X	X	X	X
Rio		X	X	X		X	X	X	X	X	X	X	X	X
Monte Carlo		X	X	X		X	X		X	X	X	X	X	X
Rapallo		X	X	X		X	X	X	X	X	X	X	X	X
Cormoran				X	X	X	X			X		X	X	
Palermo		X	X	X		X	X	X	X	X	X	X	X	X
Newport 			X	X		X	X	X	X	X		X	X	






# WHICH COLORS AND DIAMETERS ARE AVAILABLE?

The complete list of products in the FSE Robline range in one view.

**RACING**

RACING TOOL.BOX ON PAGES 14-19




App Store

**PERFORMANCE**

**SCHOTEN / SHEETS / SKJOTE**







**ADMIRAL 3000**



Ø 6 - 16mm


- red-anthracite
- black-anthracite
- silver-anthracite

**CROSSOVER**

<p><b>ADMIRAL 5000</b></p>  <p>Ø 6 - 14mm</p> <ul style="list-style-type: none"> <li>red-orangegrey</li> <li>green-neongr.-grey</li> <li>black-purple-grey</li> <li>black-grey-grey</li> </ul>	<p><b>GLOBE 5000</b></p>  <p>Ø 1,7 - 20mm</p> <ul style="list-style-type: none"> <li>red-silver</li> <li>navy-silver</li> <li>green-silver</li> <li>orange-silver</li> </ul>	<p><b>GLOBE 3000</b></p>  <p>Ø 4 - 14mm</p> <ul style="list-style-type: none"> <li>red</li> <li>navy</li> <li>green</li> <li>black</li> </ul>	<p><b>GLOBE 1000</b></p>  <p>Ø 4 - 14mm</p> <ul style="list-style-type: none"> <li>white-red</li> <li>white-green</li> <li>white-navy</li> </ul>	<p><b>OCEAN 3000 XG</b></p>  <p>Ø 2 - 12 mm</p> <ul style="list-style-type: none"> <li>red</li> <li>blue</li> <li>yellow</li> <li>anthracite</li> </ul>	<p><b>VECTRAN<sup>®</sup> 3000</b></p>  <p>Ø 3 - 12 mm</p> <ul style="list-style-type: none"> <li>black</li> </ul>
---	---	---	---	--	---

**FALLEN / HALVARDS / FALL**

**ADMIRAL 7000**



Ø 6 - 16mm

- white-red
- white-navy
- white-green
- silver
- black

**DOCKLINE**

<p><b>RIVA.FLEX</b></p>  <p>Ø 10 - 16 mm</p> <ul style="list-style-type: none"> <li>anthracite</li> <li>black</li> </ul>	<p><b>RIO</b></p>  <p>Ø 8 - 32mm</p> <ul style="list-style-type: none"> <li>black-white</li> <li>navy</li> <li>black</li> </ul>	<p><b>RAPALLO</b></p>  <p>Ø 6 - 40mm</p> <ul style="list-style-type: none"> <li>white</li> <li>navy</li> </ul>
---	--	---

<p><b>PALERMO</b></p>  <p>Ø 10 - 18mm</p> <ul style="list-style-type: none"> <li>white</li> </ul>	<p><b>PORTOFINO</b></p>  <p>Ø 12 - 16mm</p> <ul style="list-style-type: none"> <li>white</li> </ul>
--	--



# Step04

Dyneema® is a registered trademark of DSM; Twaron® is a registered trademark of Teijin  
Spectra® is a registered trademark of Honeywell; Vectran® is a registered trademark of Hoechst Celanese; Kevlar® is a registered trademark of DuPont; Zylon® is a registered trademark of Teijin  
We reserve the right to modify technical specifications and misprints. Printed in Austria/October 2010

## CRUISING

SCHOTEN / SHEETS / SKJØTE

### NEPTUN 500



- 6 - 14mm
- white-red
  - white-neogreen
  - white-black
  - black

## DINGHY

### RACING SHEET PRO



- 6 - 10mm
- red
  - green
  - blue

### RACING SHEET



- 4 - 10mm
- blue
  - grey
  - red

### DINGHY SHEET



- 6-8mm
- red-anthracite
  - black-anth.

### TAPERED SHEET 3000



- 7 - 9mm
- red
  - blue
  - green

CROSSOVER

### SIRIUS 500



- 4 - 14mm
- silver-red
  - silver-green
  - silver-black
  - silver-blue

### SIRIUS 300



- 4 - 14mm
- white-red
  - white-navy
  - white-green

### ORION 500



- 2 - 12mm
- red
  - navy
  - black
  - green
  - neonyellow-bl.
  - neogreen-bl.
  - purple-black
  - pink-black

### ORION 300



- 4 - 14mm
- white-red
  - white-green
  - white-navy
  - white
  - white-yellow
  - white-black

### OCEAN 7000



- 2 - 6mm
- anthracite

### DINGHY CONTROL



- 1,7 - 6mm
- white-red
  - white-blue
  - white-green
  - white-yellow
  - white-orange
  - white-purple

### DINGHY VECTRAN®



- 2 - 6mm
- neon orange
  - neon green
  - red
  - navyblue

### DINGHY STAR



- 4 - 6mm
- blue
  - yellow
  - red

### DINGHY STAR PRO



- 1,7 - 6mm
- white-brown

### 8 PLAITED DINGHY



- 4 - 6mm
- blue-silver
  - black-silver
  - red-silver
  - white-silver

### 8 PLAITED DINGHY PRO



- 4 - 6mm
- red-grey
  - blue-grey
  - black-grey

### DINGHY LIGHT



- 4 - 8mm
- black-yellow
  - red-yellow
  - blue-yellow

FALLEN / HALYARDS / FALL

## DOCKLINE

### CORMORAN



- 6 - 20mm
- navy
  - black
  - white

### MONTE CARLO



- 10 - 16mm
- gold-white
  - black-white
  - silver

### NEWPORT



- 10 - 16mm
- white





## → ROMAN HAGARA

**Currently, I work as:** a pro sailor

**My favorite hobbies and pastimes are:** photography, cooking, and sports.

**How did you get into sailing?**  
I grew up at Lake Neusiedl, and my parents introduced me to sailing.

**What do you like most about sailing?**  
In the beginning, I was doing it mostly just for fun. Over the years, the competitive aspect and subsequently the Olympic Games became the main driving forces.

**Why have you chosen FSE Robline ropes?**  
In top performance sports, you have to be able to rely on your material, and you need top-notch quality. FSE Robline's ropes meet both of these criteria.

**What makes FSE Robline ropes so special?**  
Their quality, and the great handling in all fields of use.

**Which is your favorite FSE Robline product?** The Racing Sheet.

**What is important to you when it comes to Racing lines?**

Good grip, durability, and long life.

**Which is your favorite product in the Racing category?**  
Ocean Dyneema.

**What was your best sailing experience?**  
Winning Olympic gold in Sydney and Athens.

**What are the three things that you would take with you to a deserted island?**  
My family, a survival kit, and a boat.

**In 20 years, I will:**  
be sailing





## RACING.TOOL.BOX

Our Toolbox products are yachting rope components geared to the highest demands. They contain only high-tech materials and fibers. With this new system, you yourself can design your own customized rope in order to directly attune it to your needs.





→ RACING.TOOL.BOX





With its Racing.Tool.Box, FSE Robline offers you „yachting ropes made to measure“. This product range incorporates only premium quality fibers and raw materials that permit the production of ultimate high-end yachting ropes.

Aboard classy high-end yachts, ropes are frequently expected to meet very special demands and requirements. This is what our new system caters to! Just choose the COVER and the CORE from our range of Racing products that BEST meet all your personal expectations of the ropes needed for your project and that BEST deliver all the right technical specifications in terms of breaking load, elongation and creep behavior, abrasion characteristics, UV resistance, and weight. We will braid them into the ROPES you are looking for! This system allows us to deliver products that are custom-tailored to your deck layouts and hardware components!

This is the chance for you to benefit directly from our long-standing development experience and invaluable expertise obtained in the course of countless one-off projects. Please do not hesitate to contact our dealers and distributors for advice and assistance!

- **Choose your core**
- **Choose your cover**

All products of FSE Robline's Racing.Tool.Box are customized one-off items. Therefore, please ask us what manufacturing lead time will be required for your individual project. In view of the high production effort involved, orders must reach a pre-defined minimum value.







## → CHOOSE YOUR CORE

### OCEAN 7000



Dyneema® SK90  
Also available in DynaMax.

Ø mm	daN	g/m
2	600	2,7
3	1200	5,5
4	2000	9,6
5	2900	13,9
6	4000	21,4

Ocean 7000 incorporates the brand-new Dyneema® SK90 fiber. As a result, this rope exhibits only little creep. In addition, it features exceptional strength and a large elastic modulus, an indicator of very low stretch values.

### OCEAN 5000



Dyneema®

Ø mm	daN	g/m
6	3600	20
8	7300	36
10	10900	49
12	17800	90
14	21700	116
16	26100	136
18	35800	192
20	40800	217
22	53600	263
24	57800	345

Ocean 5000 is made purely of Dyneema® which makes it extremely resistant to abrasion and UV. Other benefits include its high breaking strength and its innovative impregnation.

### OCEAN 3000 XG



red blue yellow anthracite

Dyneema® SK78  
Also available in  
Dyneema® SK75  
and DynaMax.

Ø mm	daN	g/m
2	400	2
2,5	500	4
3	800	5
4	1600	8
5	2300	11
6	3200	17
8	4500	28
10	7100	42
12	9500	54

Dyneema® SK78 makes Ocean 3000 highly resistant to abrasion and UV. FSE Robline's innovative impregnation further enhances these characteristics and prolongs the life span of your Ocean 3000.

### VECTRAN® 3000



Vectran®

Ø mm	daN	g/m
3	800	7
4	1500	11
6	3000	23
8	5000	41
10	7500	63
12	10200	104

The 12-plait weave of Vectran® 3000 makes this rope very easy to splice. Other benefits of Vectran® 3000 include high breaking loads as well as high resistance to abrasion and UV.

### PBO



PBO

Ø mm	daN	g/m
4	1700	14
6	2400	25
8	6000	50
10	8300	82
12	13000	113
14	18000	154

Its 32-plait PES cover protects Admiral PBO from UV radiation and makes it extremely resistant to abrasion.









## ➔ HANS PETER STEINACHER

**Currently, I work:** mainly as a pro sailor. As a sideline, I produce carbon masts and sail battens, and as a second sideline I am the managing director of HP Steinacher GesmbH und Steinacher GmbH (real estate management).

**My favorite hobbies and pastimes are:** ice hockey and ski-touring in winter, mountain-biking in summer, and recreational sailing on Lake Zell with my family.

**How did you get into sailing?**  
A friend let me use his laser free of charge.

**What do you like most about sailing?**  
To harness the forces of nature and put them to use in the best possible way.

**Why have you chosen FSE Robline ropes?**  
Primarily because of their quality, because it is impossible to keep checking everything in the boat. You can trust them blindfolded.

**What makes FSE Robline ropes so special?**  
They are innovative, durable, and safe.

**Which is your favorite FSE Robline product?** The Ocean 3000 XG.

**What is important to you when it comes to Racing lines?**  
That signs of wear appear gradually and not abruptly; low weight, and grip to the very end.

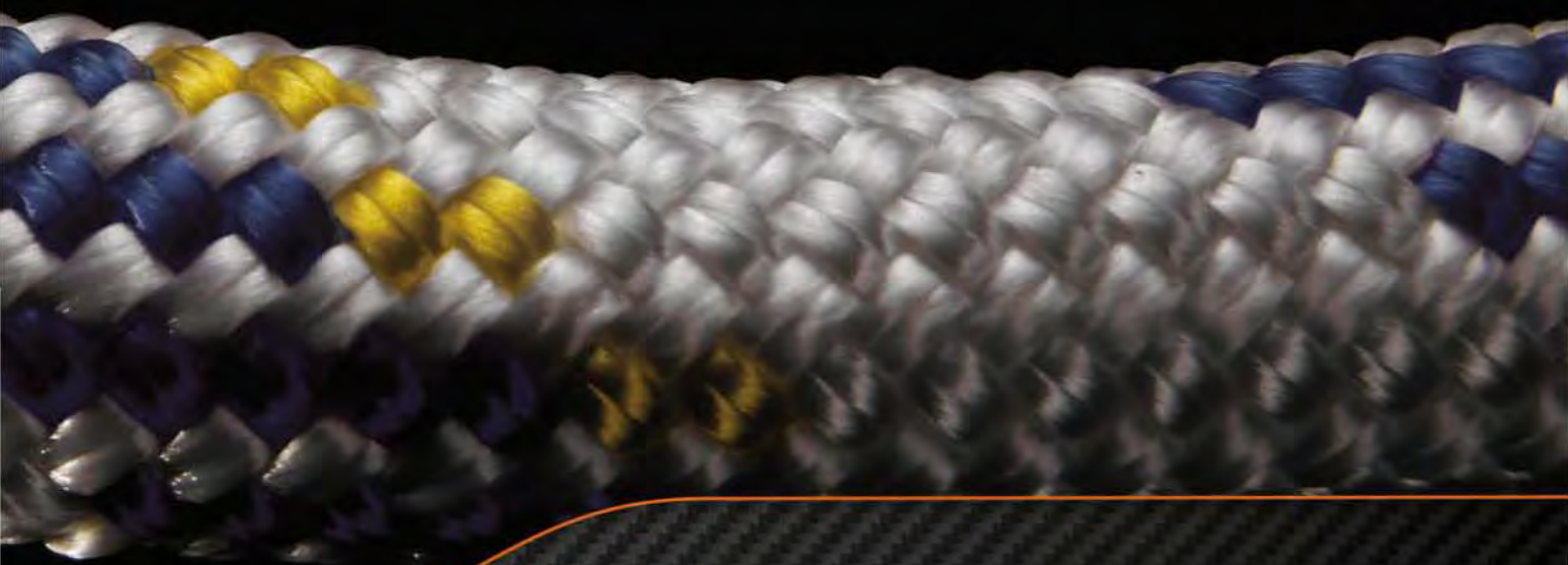
**What was your best sailing experience?**  
The Sydney 2000 Olympic Games.

**What are the three things that you would take with you to a deserted island?**  
I have a wonderful wife and two kids whom I wouldn't want to miss for the world.

**In 20 years, I will:** hopefully be able to say that I have had an awesome life, so far.

**I would like to spend a day with celebrity:**  
Phil Collins





## PERFORMANCE

Our Performance products were developed specifically for competitive regatta racers who rely on having the best equipment for the right application. In performance sailing, we all know there is little margin for error. Choosing the right material for its intended application is our goal.

Using ropes made by FSE Robline, allows you to entirely on your sailing our top quality makes it possible.





## FALL HALYARD ADMIRAL 7000

NEXT  
GENERATION



WITH  
Dyneema®

Polyester 32

Dyneema®  
SK78

The test winning halyard, now with a brand-new Dyneema® SK 78 core.

For this season, the test winning Admiral 7000 is back in a new, upgraded design. Its core features a new coating, and the use of Dyneema® SK78 has improved its stretch values even further. Admiral 7000 is ideal for use as halyard or in various rigging applications that require low-stretch ropes. Thanks to its new Dyneema® SK 78 core, Admiral 7000 achieves highest breaking loads and exhibits markedly improved creep characteristics. Its 32-plait Polyester cover provides excellent abrasion resistance.

Ø mm	m	daN	g/m	white-red	white-navy	white-green	silver	black
6	200	2300	25	9165	9171	9177	9183	9189
8	200	3900	42	9166	9172	9178	9184	9190
10	200	5850	65	9167	9173	9179	9185	9191
12	150	8100	89	9168	9174	9180	9186	9192
14	100	10500	120	9169	9175	9181	9187	9193



## HIGHLIGHTS

- HIGHEST BREAKING LOAD
- REDUCED ABRASION

## CROSS OVER ADMIRAL 5000

NEW  
PRODUCT



WITH  
Dyneema®

Polyester 24

Dyneema®  
SK78

The new Crossover-Rope with a new core out of Dyneema® SK78

Admiral 5000 is a top-performing sheet rope and was developed as a counterpart to Admiral 7000. Attention was paid to every detail that matters in a first-rate sheet. Its 24-plait Polyester cover

Ø mm	m	daN	g/m	red-orange-grey	green-neon-green-grey	black-purple-grey	black-grey-grey
6	200	2200	25	3400	3405	3410	3415
8	200	3800	43	3401	3406	3411	3416
10	200	5800	62	3402	3407	3412	3417
12	150	8000	90	3403	3408	3413	3418
14	100	10500	124	3404	3409	3414	3419



provides for great ease of splicing and is easy to handle on board. Its 12-plait Dyneema® SK 78 core ensures maximum breaking load, low stretch, and excellent creep characteristics.

## SCHOT SHEET ADMIRAL 3000

NEXT  
GENERATION



WITH  
Dyneema®

Polyester /  
Polyamide 32

Dyneema®  
SK75 / XLF

Best grip and high abrasion resistance for use on winches

Admiral 3000 is the ideal sheet for modern performance cruisers. The high abrasion resistance of the Polyester/Polyamide cover of Admiral 3000 comes in combination with excellent grip and best handling. The high-tech fiber of the impregnated Dyneema® SK78 core stands for high breaking load, lowest stretch, and excellent creep characteristics.

Ø mm	m	daN	g/m	red-anthracite	black-anthracite	silver-anthracite
6	200	1600	23	3420	3426	3432
8	200	2800	42	3421	3427	3433
10	200	4200	60	3422	3428	3434
12	150	5700	90	3423	3429	3435
14	100	7400	120	3424	3430	3436
16	100	9200	160	3425	3431	3437



## HIGHLIGHTS

- EXCELLENT GRIP
- HIGH ABRASION RESISTANCE

















TRIM  
TRIM  
TRIM

CROSS  
OVER

## GLOBE 5000



The must-have classic -  
upgraded with a Dyneema® SK78 core

Its unique structure made up of a Polyester cover, a soft intermediate Polyester cover (from Ø 10 mm) and a Dyneema® SK78 core helps avoid any core/cover slippage. During splicing, the intermediate cover is removed, which benefits the splicing procedure. The core is impregnated. Therefore, the rope will continue to be protected even in its stripped state. Globe 5000 is a versatile rope suited for various purposes. On every performance cruiser, it clearly constitutes an upgrade for many applications on board.

Ø mm	m	daN	g/m	red-silver	navy-silver	green-silver	orange-silver
1,7	250	130	2	9110	9121	9132	9143
2,5	250	300	5	9111	9122	9133	9144
3	200	500	7	9112	9123	9134	9145
4	200	700	11	9113	9124	9135	9146
5	200	1000	16	9114	9125	9136	9147
6	200	1600	23	9115	9126	9137	9148
8	200	2800	41	9116	9127	9138	9149
10	200	4200	58	9117	9128	9139	9150
12	150	5700	89	9118	9129	9140	9151
14	100	7400	119	9119	9130	9141	9152

For diameters of 8mm and smaller:  
PES 16 cover.



## HIGHLIGHTS

ALMOST NO COVER CORE FRICTION

- HIGH BREAKING LOAD
- LOW STRAIN VALUES

TRIM  
TRIM  
TRIM

CROSS  
OVER

## GLOBE 3000



Best performance in all variants

Because of its differently braided cover, Globe 3000 is somewhat softer than Globe 5000, and its proportion of Dyneema® SK75 is reduced. The impregnation of the core and the soft PES intermedi-

Ø mm	m	daN	g/m	red	navy	green	black
4	200	450	10,6	9204	9222	9216	9210
6	200	1200	22,6	9205	9223	9217	9211
8	200	2250	41	9206	9224	9218	9212
10	200	3400	60	9207	9225	9219	9213
12	150	4600	86	9208	9226	9220	9214
14	100	5800	116	9209	9227	9221	9215

For diameters of 8mm and smaller:  
PES 16 cover.



ate cover make this rope easy to splice and protect it in the stripped state. Globe 3000 is used for various applications from halyards to sheets and trim lines.

TRIM  
TRIM  
TRIM

CROSS  
OVER

## GLOBE 1000



Introducing you to the world of Dyneema®

Globe 1000 is considered as the ideal product for you to get acquainted with the world of Dyneema®. It is suited for use as halyard, sheet, and trim line. Thanks to its impregnated core,

Ø mm	m	daN	g/m	white-red	white-green	white-navy
4	200	400	10	9228	9234	9240
6	200	1000	23	9229	9235	9241
8	200	1600	40	9230	9236	9242
10	200	2600	62	9231	9237	9243
12	150	3800	87	9232	9238	9244
14	100	4900	118	9233	9239	9245

For diameters of 8mm and smaller:  
PES 16 cover.



it can also be used in the stripped state. Globe 1000 includes a certain amount of cost-effective XLF material in its core and thus offers you excellent value for money.





Ø mm	m	daN	g/m	red	blue	yellow	anthracite
2	200	400	2	3303	3304	3305	3306
2,5	200	500	4	3307	3308	3309	3310
3	200	800	5	3311	3312	3313	3314
4	200	1600	8	3315	3316	3317	3318
5	200	2300	11	3319	3320	3321	3322
6	200	3200	17	3323	3324	3325	3326
8	200	4500	28	3327	3328	3329	3330
10*	150	7100	42	3331	3332	3333	3334
12*	100	9500	54	3335	3336	3337	3338

\* Racing.Tool.Box



## HIGHLIGHTS

HIGHEST BREAKING LOAD  
AT LOW WEIGHT

→ UV-RESTISTANCE THROUGH  
INNOVATIVE IMPREGNATION

Pure and impregnated Dyneema®  
for highest demands

Ocean 3000 XG is the logical upgrade of Ocean 3000 and offers excellent spliceability and enhanced abrasion protection. Perfectly suited for tackles, halyards, or foresheets, this rope excels thanks to its weave of pure Dyneema® SK78. Highest breaking loads and low weight are its main advantages. A special impregnation makes Ocean 3000 XG highly resistant to UV and abrasion.



Ø mm	m	daN	g/m	black
3	200	800	7	9570
4	200	1500	11	9571
6	200	3000	23	9572
8	200	5000	41	9573
10*	150	7500	63	9703
12*	100	10200	104	9704

\* Racing.Tool.Box



Impregnated Vectran® -  
a development from the Volvo Ocean Race

Foresheets, tackles, or halyards are what Vectran® 3000 is used for. Its 12-plait weave exhibits zero stretch and, thanks to its special

FSE Robline impregnation, is highly resistant to abrasion and UV, great ease of splicing included.



Ø mm	Breaking load	Working load	length mm	anthracite
4	1000	500	80	2880
6	2000	1000	95	2881
9	4000	2000	155	2882

Soft shackles are the ideal replacement  
for metal shackles.

The lightweight and highly loadable soft shackles made of Dyneema® SK78 are versatile in use, even in locations that are difficult to access. The advantage of these shackles is mainly that they are so much lighter than conventional metal shackles. Furthermore, they are easy to open even after having been loaded. Yet, they will not open accidentally while loaded.







## ➔ NIKO RESCH

**Currently, I work as:** a pro sailor.

**My favorite hobbies and pastimes are:** sailing or spending time with my girlfriend.

**How did you get into sailing?**  
My father got me interested in sailing. I grew up, spending large parts of my summers at Lake Wörth (Wörthersee), and this is where I first took up sailing.

**What do you like most about sailing?**  
That you can have so much fun with the forces of nature, the water, the wind, and ideally with sunshine and speed.

**Why have you chosen FSE Robline ropes?**  
Because the Dinghy Star Pro is the best product for the 49er, and because of their superb quality.

**What makes FSE Robline ropes so special?**  
Their excellent quality, the vast product portfolio, leadership in the Dinghy Rope segment.

**Which is your favorite FSE Robline product?** That would be the Dinghy Star Pro.

**What is important to you when it comes to Racing lines?** Innovation, function, reliability, „products for sailors“.

**What was your best sailing experience?**  
There have been so many, e.g., aboard the 49er or the „moth“ on Lake Garda, in great wind conditions and in front of a magnificent scenery.

**What are the three things that you would take with you to a deserted island?**  
A sailboat, a fishing rod, and my girlfriend if she wants to come. :)

**In 20 years, I will:** still love sailing.

**I would like to spend a day with this celebrity:** the Dalai Lama.





## CRUISING

Our success proves us right:

based on a wealth of experience, FSE Robline defines the standards for cruisers. In producing Sirius, FSE Robline has - for many years - set the benchmark for Polyester ropes. And to ensure that you will always sail with the best ropes, continued development is the main focus - to make your sailing trips sheer pleasure.





CROSS  
OVER

## SIRIUS 500

NEXT  
GENERATION



PES

Polyester 32

Polyester

### State-of-the-art Polyester rope – featuring a new design

Among double braided Polyester ropes, Sirius 500 is known for its high breaking loads and minimal stretch. For this classic rope model, only premium quality Polyester is used as raw material. Sirius 500 consists of a 32-plait Polyester cover and an 8-plait core. As a result, Sirius exhibits high breaking loads and low stretch, even in extreme situations. Check it out for yourself!

Ø mm	m	daN	g/m	silver-red	silver-blue	silver-green	silver-black
4	200	550	12	3438	3445	3452	3459
5	200	850	20	3439	3446	3453	3460
6	200	1150	27	3440	3447	3454	3461
8	200	1800	49	3441	3448	3455	3462
10	200	2800	71	3442	3449	3456	3463
12	150	3800	103	3443	3450	3457	3464
14	100	5000	140	3444	3451	3458	3465



## HIGHLIGHTS

- HIGH ABRASION RESISTANCE
- HIGH BREAKING LOAD

CROSS  
OVER

## SIRIUS 300



PES

Polyester 32

Polyester

### The Sirius in its classic design

As a halyard, a sheet, or a trim line - Sirius 300 always looks beautiful, whatever you use it for. Since it is made of premium quality materials, sailors can count on Sirius 300 in any situation.

Ø mm	m	daN	g/m	white-red	white-navy	white-green
4	200	550	12	8633	8979	8649
5	200	850	20	8634	8980	8650
6	200	1150	27	8635	8981	8651
8	200	1800	49	8636	8982	8653
10	200	2800	71	8637	8983	8654
12	150	3800	103	8638	8984	8655
14	100	5000	140	8639	8985	8987



Like Sirius 500, Sirius 300 consists of a 32-plait Polyester cover and an 8-plait core. Sirius 300 is the perfect choice for those who prefer a „classic“ style.

TRIM  
TRIM

CROSS  
OVER

## ORION 500



PES

Polyester 16

Polyester

### The allround talent of Polyester in a new look

Orion 500 now shines in new stylish colors! It can be used as sheet or halyard. Its 16-plait Polyester cover and its 8-plait core provide for good grip and make the rope easy to splice.

Ø mm	m	daN	g/m	red	navy	black	green	neon-yellow-black	neon-green-black	purple-black	pink-black
2	250	70	3	9000	9008	9016	9024	8100	8101	8102	8103
3	200	150	6	9001	9009	9017	9025	8104	8105	8106	8107
4	125	400	12	9002	9010	9018	9026	8108	8109	8110	8111
5	100	600	19	9003	9011	9019	9027	8112	8113	8114	8115
6	100	800	24	9004	9012	9020	9028	3279	3289	3293	3297
8	200	1400	41	9005	9013	9021	9029	3280	3290	3294	3298
10	200	2000	70	9006	9014	9022	9030	3287	3291	3295	3299
12	150	2500	89	9007	9015	9023	9031	3288	3292	3296	3300



The bold colors of Orion 500 make the rope easily identifiable on board. The ideal choice for all cruising enthusiasts.









TRIM  
TRIM  
CROSS  
OVER

## ORION 300



Polyester 16

Polyester

PES

Ø mm	m	daN	g/m	white-red	white-navy	white-green	white	white-yellow	white-black
4	200	400	12	1033	8993	1242	1772	2907	2909
5	200	600	19	1243	8994	1244	1773	2908	2910
6	200	800	24	1246	8995	1248	1774	8086	8087
8	200	1400	42	1038	8996	1253	1775	8088	8089
10	200	2000	70	1262	8997	1264	1776	8090	8091
12	150	2500	89	1897	8998	8892	1889	8092	8093
14	100	3800	120	1900	8999	8893	1890	-	-



### A grippy high-quality Polyester rope for little money

Orion 300 is one of the most popular ropes in FSE Robline's portfolio and suited for various purposes. Whether as halyard or sheet, Orion 300 impresses with its long service life, and its excellent resi-

stance to abrasion and UV. Its 16-plait Polyester cover and its 8-plait core provide for good grip and make the rope easy to splice.

SCHOT  
SHEET  
ECOUTE

## NEPTUN 500

NEW  
PRODUCT



Polyester 16

Polyester

PES

Ø mm	m	daN	g/m	white-red	white-neogreen	white-black	black
6	200	700	24	3466	3471	3476	3481
8	200	1200	40	3467	3472	3477	3482
10	200	1800	62	3468	3473	3478	3483
12	150	2500	86	3469	3474	3479	3484
14	100	3400	116	3470	3475	3480	3485



### Grip and flexible handling have a new name - Neptun

Neptun 500 is a new, innovative rope from FSE Robline. This soft and grippy sheet rope is comfortable to hold and handle and versatile in use. Neptun is made of premium quality PES fibers. In FSE Robline's own in-house texturing process, it is given a grippy surface. Neptun is used as main or Genoa sheet. This rope's principal advantages are its exceptional grip, excellent handling, UV resistance, and ease of splicing.

## HIGHLIGHTS

- LONG DURABILITY
- EXCELLENT GRIP











## → NIKO DELLE KARTH

**Currently, I work as:**  
a sailor. I have been sailing with Niko Resch since 1998.

**My favorite hobbies and pastimes are:**  
sailing, kiting, skiing

**How did you get into sailing?**  
My father got me interested in it.

**What do you like most about sailing?**  
Being close to nature, the battle with the elements.

**Why have you chosen FSE Robline ropes?**  
Because they are the best worldwide.

**What makes FSE Robline ropes so special?**  
Their quality. They have the right product for any type of use. Their development department is eager to listen to what the sailors have to say and is good at translating their feedback into improved products.

**What is important to you when it comes to Racing lines?**  
Abrasion strength, grip, low stretch.

**What was your best sailing experience?**  
That's a difficult one... I think that was when I

was only 16, in January 2001 in Sydney, at the Junior World Championships. At that time, you could still feel the aura of the Olympic Games.

**What are the three things that you would take with you to a deserted island?**  
My „moth“, a fishing rod, sunglasses.

**In 20 years, I will:**  
have sailed around the world at least once.

**I would like to spend a day with this celebrity:** the Dalai Lama.

**Which is your favorite product from FSE Robline's Dinghy series?**  
The Dinghy Star Pro.





## DINGHY

Whether for sheets or halyards - when sailing on dinghies what counts are the ropes' handling and their breaking loads. In close cooperation with our partners from the pro sailing scene, we have developed ropes that stand out due to their performance - at the Olympic Games, World Championships, and national regattas.



CROSS  
OVER

## DINGHY STAR PRO



Our top-of-the-line dinghy rope – developed and produced without compromises

This product was developed without compromises, contains only the very best raw materials, and lives up to the latest manufacturing standards. Our aim was to take our dinghy ropes to another level, something we have definitely accomplished in the form of Dinghy Star Pro. By using Dyneema® SK90 fibers in the core, we obtained extremely high breaking load values in the core, combined with zero

Ø mm	m	daN	g/m	white-brown
4	100	800	11	2667
5	100	1300	16	2668
6	100	1900	23	2669



## HIGHLIGHTS

- HIGHEST BREAKING LOAD
- REDUCED ABRASION

creep – simply perfect! Its cover made of PBO/Dyneema® SK75 makes Dinghy Star Pro extremely resistant to abrasion and UV. The grippiness of the PBO used for the cover makes this rope grippier, further improving its functionality, especially when it is used as spi halyard. Dinghy Star Pro is a must-have for every regatta racer.

CROSS  
OVER

## DINGHY STAR

NEW  
PRODUCT

The high-tech line for discerning regatta racers

Dinghy Star's core is composed of Dyneema® SK78 fibers. Its cover consists of a unique Dyneema® SK75/Technora/XLF mix that produces particularly homogenous characteristics.

Ø mm	m	daN	g/m	blue	yellow	red
4	100	600	9,5	3490	3493	3496
5	100	1100	15	3491	3494	3497
6	100	1650	22	3492	3495	3498
8	100	3300	39	3500	3501	3499



Its unprecedented combination of various raw materials makes Dinghy Star an exceptional product, whether as spi sheet or as halyard.

CROSS  
OVER

## DINGHY VECTRAN®



Ø mm	m	daN	g/m	neon-orange	neon-green	red	navy
2	100	180	3	2976	2975	2977	2978
3	100	450	8	2980	2979	2981	2982
4	100	800	13	2984	2983	2985	2986
6	100	1800	28	2988	2987	2989	2990



Top performance for ambitious sailors

Its Polyester cover makes Dinghy Vectran® extremely abrasion-resistant. Double protection is provided for its Vectran® core: together with the cover, the special impregnation developed by FSE Robline

protects the core against harmful UV radiation and abrasion and ensures good adhesion between core and cover. Thanks to the coating, it is also possible to strip the cover without incurring any risks.





Ø mm	m	daN	g/m	anthracite
2	200	600	2,7	2853
3	200	1200	5,5	2854
4	200	2000	9,6	2855
5	200	2900	13,9	2856
6	200	4000	21,4	2857

## HIGHLIGHTS

- MINIMUM CREEP
- HIGHEST STRENGTH
- HIGHEST BREAKING LOAD

### Single braid of Dyneema® SK90

The use of Dyneema® SK90 is what sets this top-notch product apart. As a result of the impregnation specifically developed by FSE Robline, abrasion and UV radiation do not pose problems for Ocean 7000. The rope's other advantages include most of all its enormous breaking loads in combination with its low weight, and the minimized creep of Dyneema® SK 90 raw material.



Ø mm	m	daN	g/m	red	green	blue
6	200	1100	20	2345	2353	2349
8	200	1900	33	2346	2354	2350
9	200	2400	39	2347	2355	2351
10	200	2900	48	2348	2356	2352

### Racing Sheet PRO for more stability in cleats

Racing Sheet Pro is the outcome of FSE Robline's continued development efforts. Made of a mix of impregnated Dyneema® and XLF, the core provides even greater stability in the cleats and allows sail-

lors to use Racing Sheet Pro even in its stripped state. The cover made of a Polyamide/Dyneema® weave makes this sheet abrasion resistant and gives it good grip and excellent stretch performance.



Ø mm	m	daN	g/m	blue	grey	red
4	200	500	7	7889	7891	2388
5	200	700	12	7894	7896	2389
6	200	1100	18	7899	7901	2390
7	200	1400	24	8686	8688	2391
8	200	1900	31	7904	7906	2392
9	200	2400	38	7909	7911	2393
10	200	2900	48	7914	7916	2394

### A fantastic sheet for all dinghy classes

Racing Sheet is the sheet of choice of Olympic gold medalists, World and European champions. Developed in partnerships with several top sailing pros, Racing Sheet combines all features required of high-performance ropes.

Racing Sheet consists of a hollow weave made of a special type of Polyamide and Dyneema® SK75. This combination gives the sheet excellent abrasion resistance and fantastic stretch values coupled with great grip - even when the sheet is wet.













## 8-PLAITED DINGHY PRO



The successor of 8-Plaited Dinghy

8-Plaited Dinghy Pro is the result of continued development efforts. This becomes particularly noticeable in this rope's exceptional grip which makes it easier to control. In addition, 8-Plaited Dinghy Pro offers better stability in the cleats. The proven benefits of 8-Plaited Dinghy such as compactness, dimensional stability, and minimal absorption of water were of course maintained.

## 8-PLAITED DINGHY



The jack of all trades – a pre-stretched Polyester rope for a variety of uses

8-Plaited Dinghy is used in tackles and tackle blocks. However,

## DINGHY CONTROL



Lightweight for Dinghies

Dinghy Control is made up of a braided Polyester cover and a Dyneema® SK78 core featuring FSE Robline's impregnation.

## DINGHY LIGHT



The lightweight among dinghy sheets

Dinghy Light is a rope made of an 8-plait XLF core and a 32-plait cover. It is used wherever low water absorption is crucial, making it

Ø mm	m	daN	g/m	red-grey	blue-grey	black-grey
4	100	390	14,7	2838	2839	2840
5	100	560	20,2	2841	2842	2843
6	100	820	31,1	2844	2845	2846



## HIGHLIGHTS

EXCELLENT GRIP

- HIGH ABRASION RESISTANCE
- MINIMUM WATER ABSORPTION

Ø mm	m	daN	g/m	red-silver	black-silver	blue-silver	white-silver
4	100	390	13	9661	9664	9662	9663
5	100	560	21	9666	9669	9667	9668
6	100	820	30	9671	9674	9672	9673



it can also be used as a leech line. Its main benefits are its compactness, dimensional stability, and minimal water absorption.

Ø mm	m	daN	g/m	white-orange	white-purple	white-red	white-blue	white-green	white-yellow
1,7	100	150	2	9445	9446	2124	2129	2134	2139
3	100	450	7	8117	8120	2125	2130	2135	2140
4	100	700	11	8121	8122	2126	2131	2136	2141
5	100	1200	16	8123	8124	2127	2132	2137	2142
6	100	1650	23	8125	8126	2128	2133	2138	2143

Ø 1,7-4mm

Ø 5-6mm



This high quality design makes it suitable for use in the stripped state and a great rope for regatta racing. A compelling combination!

Ø mm	m	daN	g/m	black-yellow	red-yellow	red-yellow
4	100	250	8	9694	9688	9691
6	100	500	16,4	9695	9689	9692
8	100	850	29	9696	9690	9693



particularly well suited for use as a lightweight spinnaker sheet.



## DINGHY SHEET

SCHOT  
SHEET  
ECOUTEPolyester /  
Polyamide 16 Polyester

Ø mm	m	daN	g/m	red-anthracite	black-anthracite
6	200	425	19	2970	2971
7	200	600	32	9032	2972
8	200	750	40	2973	2974



This kink-free sheet is the choice of Olympic champions

Dinghy Sheet combines all the characteristics one could possibly want in a sheet. It does not kink, provides excellent grip, and has a

compact and round shape. What is more, its Polyester/Polyamide cover ensures enhanced abrasion resistance.

NEXT  
GENERATION

## TAPERED SHEET 3000

FALL  
HALYARD  
FALD SCHOT  
SHEET  
ECOUTEWITH  
Dyneema®Polyester  
Soft 10 Polyester 16 Dyneema®  
SK78

Ø mm	m	daN	g/m	red	blue	green
7	200	1200	30	2100	2104	2102
9	200	1600	48	2101	2105	2103



Double taperable Dyneema® sheet

Tapered Dyneema® features two high quality Polyester covers and an impregnated Dyneema® SK78 core. This design enables double tapering of the sheet and makes it the ideal rope for a variety of applications. Its 16-plait soft Polyester cover makes Tapered Dyneema® soft

and grippy. Its second cover guarantees abrasion resistance and compactness. The impregnation of the Dyneema® SK78 core provides additional protection against abrasion.

## SATURN

FALL  
HALYARD  
FALD

Polyester 3

Ø mm	m	daN	g/m	white
4	200	450	13	1158
5	200	680	19	1689
6	200	1000	27	1692
8	200	1300	46	1139
10	200	2350	70	1696



The classic for dinghies

A laid 3-strand PES rope, this classic can be found aboard a great number of dinghies and keel boats. Saturn is mostly used as

halyard. Splicing it to a wire rope foresheet is easy.

## ALBATROS

TRIMM  
TRIM TRIM SCHOT  
SHEET  
ECOUTE

XLF 16

Ø mm	m	daN	g/m	red-blue	yellow-red
6	200	350	14	3014	3077
8	200	650	24	3080	3081
10	200	900	38	3110	3109



Buoyant light-wind sheet

Albatros consists of an XLF 8-plait weave and stands for floatability, lightness, and signal colors. It is used mainly as a light-wind sheet

or safety rope. Albatros is floatable, and its round shape makes it easy to handle.





## WHY TAPERED ROPES?

**Like all of FSE Robline's other products, our range of „tapered ropes“ stands out due to their top performing characteristics.**

These include, for example, ultimate abrasion resistance, extra low stretch, and the use of high quality raw and finished materials obtained from select suppliers. For the new season, we

have upgraded our entire product portfolio by relying on novel materials. This translates into improved handling and an attractive design.



SK78





## OVERVIEW TAPERED ROPES

Field of application	Article-No.	Material	Length			Diameter			Colour
Opti Main Sheet 7 m	7818	PES	1,5	2,5	3	6,5	9	6,5	navy/silver
Opti Main Sheet 7 m	7408	XLf	1,5	2,5	3	6,5	9	6,5	red/silver
Spi-Sheet 11 m (420)	7583	PES/Dyneema® SK78	3,1	4,8	3,1	4	6	4	green/silver
Spi-Sheet 18 m (470)	7584	PES/Dyneema® SK78	4,5	9	4,5	4	6	4	red/silver
Cat Sheet 16 m	7457	PES	10	6		9,5	6,5		navy/silver
Spi-Sheet 18 m (H-Boat)	7466	PES/Dyneema® SK78	7,5	10,5		5	8		green/silver
Spi-Sheet 18 m (H-Boat)	7474	PES/Dyneema® SK78	7,5	10,5		5	8		red/silver
Spi-Sheet 20 m (Dragon)	7472	PES/Dyneema® SK78	7	13		5,2	8,3		green/silver
Spi-Sheet 20 m (Dragon)	7471	PES/Dyneema® SK78	7	13		5,2	8,3		red/silver
Spi-Sheet endless	7483	PES/Dyneema® SK78	10	13	10	6	9	6	navy/silver
Generic Tapered Sheet 20 m	8135	PES/Dyneema® SK78	10	10		4	6		green/silver
Generic Tapered Sheet 20 m	8139	PES/Dyneema® SK78	10	10		4	6		red/silver
Generic Tapered Sheet 24 m	8136	PES/Dyneema® SK78	12	12		6	9		green/silver
Generic Tapered Sheet 24 m	8140	PES/Dyneema® SK78	12	12		6	9		red/silver
Generic Tapered Sheet 30 m	7541	PES/Dyneema® SK78	15	15		10	7		green/silver
Generic Tapered Sheet 30 m	7542	PES/Dyneema® SK78	15	15		10	7		red/silver
Generic Tapered Sheet 36 m	8138	PES/Dyneema® SK78	18	18		8	12		green/silver
Generic Tapered Sheet 36 m	8158	PES/Dyneema® SK78	18	18		8	12		red/silver

Using our machine-tapered ropes gives you the winning edge:

- professional machine-tapering with even transitions
- reduced weight of the yachting ropes
- strength where it matters
- improved handling
- smaller rope diameters generate less friction in blocks/halyard pulleys, minimizing the required physical effort
- less rope chaos on board

**These benefits might just make the difference for you to claim victory! So there are plenty of reasons why you should never set sail without tapered ropes made by FSE Robline.**

## Design

Mix of Dyneema® SK78 with PA/PES yarn for high loads, low stretch, and excellent grip.







## → ERICH RÜHRNÖSSL

**Currently, I work as:**  
Head of Research & Development at FSE Robline

**My favorite hobbies and pastimes are:**  
running, skiing

**How did you get into sailing?**  
Through friends.

**What do you like most about sailing?**  
Living on the water, the freedom.

**Which is your favorite FSE Robline product?**  
Everything from the Racing range.

**What is important to you when it comes to Cruising ropes?**  
Their handling.

**What was your best sailing experience?**  
One day aboard the Y3K.

**In 20 years, I will:**  
maybe have my own boat.





## DOCK LINE & ANCHOR LINES

Yachting ropes made by FSE Robline are being used all around the globe, and for several good reasons. In the case of mooring and anchor lines, special attention is paid to abrasion resistance, stretch and spliceability. There is no doubt that all these properties are perfectly combined in our FSE Robline products.





TESTMAßSTAB  
DUCK LINE  
FORTBAUUNG

## NEWPORT



PLA 16

Eco-XLF

Ø mm	m	daN	g/m	white
10	200	1600	51	2858
12	150	2200	73	2859
14	150	3000	96	2860
16	150	4000	124	2861

**ORGANIC™**  
INNOVATIVE ROPES

A world first - revolutionary mooring ropes of renewable raw materials!

At FSE Robline, environmental awareness is far more than mere lip service – rather, it is something we wholeheartedly embrace. By using a mix of various raw materials, FSE Robline succeeded in making an environmentally friendly and at the same time technically perfect mooring rope.

Depending on the rope's diameter, Newport consists either of a 24-plait (10 mm) or a 32-plait (12, 14, and 16 mm) weave made of PLA yarn. PLA yarn is made of corn. Newport is a mooring rope that lives up to the highest technical and quality standards.

### ORGANIC™ Innovative, sustainable Ropes by FSE Robline – the clever choice

- ✓ FSE Robline launches the first-ever eco-friendly technical ropes for the marine market
- ✓ Environmentally friendly
- ✓ Produced from renewable resources
- ✓ Fully biodegradable and compostable



ANKERLEINE  
ANCHORING  
ANKRING

TESTMAßSTAB  
DOCK LINE  
FORTBAUUNG

## PORTOFINO



Polyester 12

Ø mm	m	daN	g/m	white	black
10	200	2500	65	2834	3486
12	150	3100	85	2835	3487
14	150	3700	110	2836	3488
16	150	4500	140	2837	3489



The mooring rope offering highest abrasion resistance

In view of its great success, FSE Robline's portfolio now includes Portofino in a greater variety of diameters. This mooring line offers extremely high abrasion resistance and excellent stretch values. It is also highly resistant to friction, and - thanks to its high quality workmanship - it remains flexible in use.

## HIGHLIGHTS

- HIGHEST ABRASION RESISTANCE
- PERFECT STRAIN VALUES





Ø mm	m	daN	g/m	anthracite	black
10	200	2400	69	3129	3164
12	150	3000	98	3130	3165
14	100	4200	128	3138	3167
16	150	4900	165	3163	3168



Excellent stretch values ensure your peace of mind on board

Riva.flex is the latest top-notch development in FSE Robline's range of mooring ropes. By using premium quality materials for its core and cover, we achieved unparalleled stretch and abrasion characteristics

that ensure your peace of mind on board. The rope's cutting-edge double weave consists of a Polyester core and cover. Riva.flex is easy to splice, resistant to UV and thus very durable.



Ø mm	m	daN	g/m	white-black	navy	black
8	200	1400	42	1032	9033	9045
10	200	2000	69	1123	9034	9046
12	150	2800	97	1862	9035	9047
14	100	3900	127	1863	9036	9048
16	150	4500	163	1906	9037	9049
18	100	5500	196	1129	9038	9050
20	100	6600	260	1130	9039	9051
24*	200	10000	384	7946	9041	9053
28*	120	13500	455	7948	9043	9055
32*	165	15600	610	7949	9044	9056

\* coil



Kink-free mooring rope for lovers of beauty

Rio comes in a variety of diameters and colors and excels due to its immense resistance to abrasion and its exceptional grip. Rio also impresses with its high breaking loads, UV resistance, and good spliceability.

## HIGHLIGHTS

- HIGH BREAKING LOAD
- HIGH ABRASION RESISTANCE



Ø mm	m	daN	g/m	gold-white	black-white	silver
10	150	1600	51	9705	9706	2872
12	150	2200	73	9588	9589	2873
14	150	3000	98	9590	9591	2874
16	150	4000	124	9592	9593	2875
18	150	4800	155	9707	9708	2876

10 mm with 24-plait cover

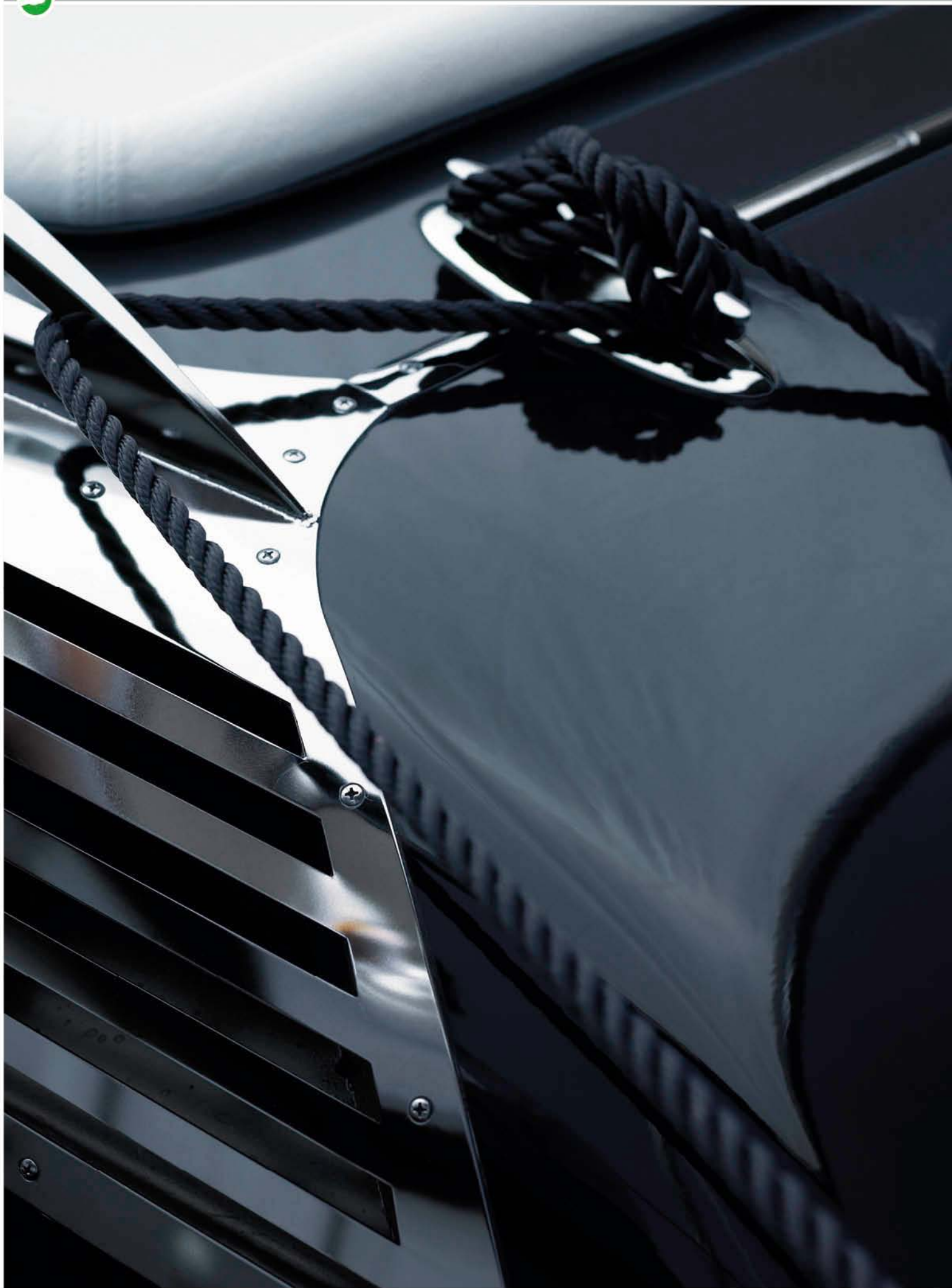


Highest quality and excellent stretch characteristics

Monte Carlo is the perfect match for boaters looking for modern design paired with top functionality. Excellent grip, high breaking

loads, UV resistance, and best spliceability are only a few of its many advantages.







## RAPALLO

 ANKERLEINE  
ANCHORING  
ANKRING

 TESTMAßER  
DOCK LINE  
FORTBÜHUNG


Polyester 3

Ø mm	m	daN	g/m	white	navy
6	200	750	24	1052	7364
8	200	1200	43	1655	7365
10	200	1950	68	1054	7366
12	150	2700	94	1860	7367
14	100	3900	133	8470	8469
16	70	4600	163	8472	8471
18	70	5700	212	8582	8458
20	100	7000	244	1673	7371
24*	100	10200	351	1675	7540
28*	250	13500	490	7940	7934
32*	125	15300	620	7942	7936
36n*	200	21000	820	7943	7937
40n*	150	26000	997	7944	7938

\* coil

The classic among mooring ropes offering high abrasion resistance

Made of Polyester, the laid 3-strand Rapallo boasts excellent stretch characteristics, high abrasion resistance, and highest UV resistance. Unsurprisingly, it has become one of the all-time classics among mooring and anchor ropes over the years.

## HIGHLIGHTS

- HIGH ABRASION RESISTANCE
- HIGHEST UV-RESISTANCE

## CORMORAN

 TESTMAßER  
DOCK LINE  
FORTBÜHUNG


XLF 3

Ø mm	m	daN	g/m	navy	black	white
6	200	500	17	9065	9073	3169
8	200	900	29	9066	9074	3028
10	200	1300	43	9067	9075	3049
12	150	1800	59	9068	9076	3270
14	100	2300	80	9069	9077	3273
16	70	3000	106	9070	9078	1905
18	70	3500	136	9071	9079	8581
20	100	4000	148	9072	9080	3190

Floatable, twisted mooring rope with high elasticity

Offering excellent value for money, Cormoran is mainly suited as mooring rope for beginners. Made of XLF, this twisted 3-strand

mooring rope is dirt-repellent, extremely lightweight, floatable, and does not absorb water.

## PALERMO

 ANKERLEINE  
ANCHORING  
ANKRING

 TESTMAßER  
DOCK LINE  
FORTBÜHUNG


Polyamide 3

Ø mm	m	daN	g/m	white
10	200	2200	58	0041
12	150	3000	83	0271
14	100	4000	111	0277
16	150	5000	138	0122
18	100	6500	183	0125

Mooring rope featuring high breaking loads and excellent stretch performance

Made of twisted 3-strand Polyamide, Palermo combines high breaking loads and good stretch performance.

This rope is great to handle, easy to splice, and versatile in use.





## → ALEXANDER KUBIZEK

**Currently, I work as:**  
Business Unit Manager at FSE Robline

**My favorite hobbies and pastimes are:**  
spending time with my family, running, cooking, and skiing

**How did you get into sailing?**  
Because of my job. I had always been an enthusiastic „sailboarder“ (windsurfer), and my job challenged me to take up sailboating, as well.

**What do you like most about sailing?**  
The elements – the water – the wind – the waves, and that in combination with speed

**What makes FSE Robline ropes so special?**

All the brainwork that goes into them, the great attention to detail and the immense meticulousness our development people apply to each of our new products.

**Which is your favorite FSE Robline product?** Dinghy Star Pro – a true zero-compromise product

**What is important to you when it comes to Ready Made products?**

To make the everyday lives of marine shop staff easier. It goes without saying that quality, functionality, and appearance must be top. But the idea behind Ready Made is really a systematic approach that allows shop owners to net higher sales and profits with less stocks

and a greater inventory turnover.

**What was your best sailing experience?**  
My first trips on the Kosatka

**What are the three things that you would take with you to a deserted island?**  
My family, a sailboat, and my running shoes :)

**In 20 years, I will be:**  
a better sailor than today :)

**Which is your favorite product from FSE Robline's Ready Made range?**  
That would be our 3S Sirius with Soft Shackle because it is an independent and highly functional product.





## READY MADE PRODUCTS

Ready made products make your life easier. Ready for use, self-explanatory, and, above all, without requiring additional, time-consuming customization - these are the convincing advantages of FSE Robline's ready made products. Pioneers in this segment, FSE Robline's ready made products excel, just like the rest of our huge portfolio of products, through their high quality and impeccable workmanship.





SCHOT  
SHEET  
ECOUTE

## 3S SIRIUS 300

with soft shackle



Ø mm	m	daN	g/m	for boat- lengths	white-navy	white-red
10	18	1450	71	29-33 feet	2379	2382
12	22	2000	103	34-42 feet	2380	2383
14	30	2650	140	43-50 feet	2381	2384



### Technical Data

Excellent abrasion resistance due to the woven 32-plait sheathing and low stretch are its hallmark characteristics. Premium-quality PES fibers are used in the core, aptly rounding off the perfect general picture.

FALL  
HALYARD  
FALD

## 3S SIRIUS 500

with shackle



Ø mm	m	daN	g/m	for boat- lengths	red	navy	silver
8	30	1800	49	<28 feet	2259	2267	2385
10	35	2600	71	29-33 feet	2260	2268	2386
12	40	3600	103	34-42 feet	2261	2269	2387



### Technical Data

Sirius 500 consists of a highly abrasion-resistant 32-plait Polyester sheathing and an 8-plait core. The core dependent splice allows optimum utilization of the breaking loads.

FALL  
HALYARD  
FALD

## 3S SIRIUS 300

with swivel



Ø mm	m	daN	g/m	for boat- lengths	white-red	white-navy	white- green
8	30	1800	49	<28 feet	2300	2307	2304
10	35	2600	71	29-33 feet	2301	2308	2305
12	40	3600	103	34-42 feet	2302	2309	2306



### Technical Data

Excellent abrasion resistance due to the woven 32-plait sheathing and low stretch are its hallmark characteristics. Premium-quality PES fibers are used in the core, aptly rounding off the perfect general picture.

FALL  
HALYARD  
FALD

## 3S GLOBE 1000

with shackle



Ø mm	m	daN	g/m	for boat- lengths	white-navy	white-red	white- green
8	30	2250	41	<30 feet	2271	2270	2272
10	35	3400	58	31-38 feet	2274	2273	2275
12	40	4600	86	39-45 feet	9258	9259	9260



### Technical Data

The woven 24-plait Polyester cover of Globe 1000 rests on a soft intermediate sheath made of staple fibers. The cover and intermediate sheath protect the Dyneema® SK75 core against abrasion and facilitate the splicing of Globe 1000.









## THE ANSWER TO ALL YOUR QUESTIONS!

Ready made products make everyone's life easier. FSE Robline's ready made products mean they are ready for use by your customers. All products have been made with an eye splice, thimble or suitable tackle.

You'll find all packages are labelled so that identifying the right product for a specific application is easy.

The products of these 4 pages have following advantages:

- » Ready for use
- » Self-explanatory
- » No additional time-consuming work
- » No short length left

### RAPALLO



Ø mm	m	Eyesplice (mm)	Art.Nr	Art.Nr
10	4	250mm	9718	9722
10	6	250mm	8351	7690
10	10	250mm	8350	
12	4	250mm	9719	9723
12	6	250mm	8353	7607
12	10	250mm	8352	7608
14	4	350mm	9720	9724
14	6	350mm	8355	7463
14	10	350mm	8354	7609
16	4	350mm	9721	9725
16	6	350mm	8357	7465
16	10	350mm	8356	7464



Ø mm	m	Thimble	Art.Nr	Art.Nr
8	40	plastic	5171	
10	2,5	plastic	8343	8702
10	4	plastic	8344	8701
10	40	plastic	5172	
12	2,5	plastic	8345	7602
12	4	plastic	8346	7605
12	40	plastic	5173	
14	2,5	plastic	8347	7604
14	4	plastic	8348	7601
14	40	plastic	5174	
16	4	plastic	8349	7606
16	40	plastic	5175	

### RAPALLO



Ø mm	m	Thimble	Art.Nr
8	20	stainless	1657
8	30	stainless	1658
10	20	stainless	1660
10	30	stainless	1661
12	30	stainless	1663
14	30	stainless	1668

### CORMORAN



Ø mm	m	Eyesplice (mm)	Art.Nr
10	10	250mm	9333
12	6	250mm	7970
14	6	350mm	7968



Ø mm	m	Eyesplice (mm)	Art.Nr
12	4	plastic	7971
14	4	plastic	7969





## ORGANIC™ TWISTED FENDER LINE



Ø mm	m	Eyesplice (mm)	Art.Nr
6	1,5	40mm	□ 2866
6	2	40mm	□ 2867

## RIO

## ORGANIC™ BRAIDED FENDER LINE



Ø mm	m	Eyesplice (mm)	Art.Nr
6	1,5	40mm	□ 2868
6	2	40mm	□ 2869



Ø mm	m	Eyesplice (mm)	Art.Nr
8	5	200mm	■ 1184
10	6	250mm	■ 1189
10	10	250mm	■ 9533
12	7	250mm	■ 1372
12	10	250mm	■ 1185
12*	10	250mm	■ 9827
14	10	350mm	■ 1186
14*	10	350mm	■ 9829
16	10	350mm	■ 1392
10	6	250mm	■ 8708
12	6	250mm	■ 8707
14	7	350mm	■ 8706
16	8	350mm	■ 8705

\* With chafing protection

## TWISTED FENDER LINE



Ø mm	m	Eyesplice (mm)	Art.Nr	Art.Nr
6	1,5	40mm	□ 9322	■ 9324
6	2	40mm	□ 9323	■ 9325
8	1,5	40mm	□ 9326	■ 9328
8	2	40mm	□ 9327	■ 9329
10	2	40mm	□ 9330	■ 9331

## RIO

## BRAIDED FENDER LINE



Ø mm	m	Eyesplice (mm)	Art.Nr	Art.Nr
6	1,5	40mm	□ 9744	■ 9748
6	2	40mm	□ 9745	■ 9749
8	1,5	40mm	□ 9746	■ 9750
8	2	40mm	□ 9747	■ 9751



Ø mm	m	Thimble	Art.Nr
10	30	stainless	■ 1367
12	20	stainless	■ 1376
12	30	stainless	■ 1377
14	30	stainless	■ 1128





ANKERLINE  
ANCHORING  
ANKRING

## BUOY MOORING LINE

Buoy  
Mooring

Stainless  
Steel Thimble,  
galvanized  
Thimble

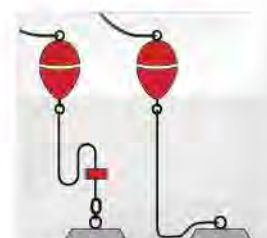


### Attachment system for mooring ropes

The technical features of the Buoy Mooring Line give it a decisive edge over conventional anchor chains. Provided with a special coa-

Ø mm	m	daN	g/m	Buoy Mooring Line	Nirosta Thimble	Galvanizes Thimble
20*	110	3700	350	1800	5087	5178
24*	110	5300	434	7709	5227	5228
32*	110	9000	594	7153	5176	-

\* coil



ting, Buoy Mooring Line is unsusceptible to algae and mollusk growth.

ANKERLINE  
ANCHORING  
ANKRING

## BONIFACIO WINCH



### Anchoring without a bow roller - all-out innovation

Developed for use with anchor winches, Bonifacio Winch features a leaden core that runs along the entire length of the rope. This design permits horizontal dragging of the anchor, enhances its retention power, and also dampens the boat's movements. Its spliced-in stainless-steel thimble permits quick fastening of the anchor. Delivered in a practical storage bucket, it is easy to stow aboard

Ø mm	m	daN	g/m	white
12	50	1600	240	8465
14	50	2000	350	8466
16	50	2400	378	8524
12	30	1600	240	8464
14	30	2000	350	8562

your vessel. When making Bonifacio Winch, great importance was attached to the use of premium quality materials for both cover and intermediate cover. PES fibers keep the Polyurethane-coated core from slipping out. This way, the rope is protected against corrosion, and the environment is protected, as well.

ANKERLINE  
ANCHORING  
ANKRING

## POSEIDON



Ø mm	m	daN	white
10	50	1700	2661
12	50	1900	8526
14	50	2600	8527
16	50	3700	8528

Additional lengths:

10 mm - 30 m, 12 mm - 30 m, 14 mm - 30 m, 16 mm - 40 m

### Leaded anchor rope meeting highest demands

In the case of Poseidon, lead inserts are integrated into the core over one third of its total length, making it easier to drag the anchor horizontally and to enhance its retention power. In addition, the rope becomes easier to lift. Poseidon is delivered in a bag with a spliced-

in stainless steel thimble. A high quality PES cover made of a 16-plait weave as well as an intermediate cover also consisting of PES keep the lead insert from slipping out from the rope. A Polyurethane coating affords additional protection on the insert.



Ø mm	m	daN	black
12	6	2430	7363
14	6	2900	1798
16	6	4100	1799

### Mooring rope with shock absorption

The brilliantly integrated shock absorption system of Extension Mooring is what makes this Polyamide mooring rope so unique. The integrated shock absorber gives Extension Mooring excellent

Ø mm	m	daN	g/m	black / black	navy / silver	red / silver
12	6	2700	67	2917	2886	2877
14	6	3200	96	2918	2887	2878
16	6	4400	119	2919	2888	2879



### Innovative mooring rope with shock absorber

Miami combines high abrasion resistance and good stretch characteristics and a shock absorber. Made of premium quality 12-plait Polyester, the rope was provided with an integrated, heavy-duty rub-

Ø mm	m	black	red-black
9	1	7811	-
9	1,5	9713	9715
9	3	7700	9585
9	5	7698	9587

### Security without scratching and dents

Wire Lock's backbone is a 7x19 stainless steel wire around which a 32-plait PES cover is braided that prevents abrasion and protects

## EXTENSION MOORING

SHOCK ABSORBER  
DOCK LINE  
FOR DUNING



stretch characteristics and makes it the ideal permanent mooring solution in harbors.

## MIAMI

SHOCK ABSORBER  
DOCK LINE  
FOR DUNING



ber shock absorber, thus ensuring optimum shock absorption characteristics. The integrated eye splice readies Miami for instant use.

## WIRE LOCK



the core from UV radiation. The eyes are protected by a rubber sleeve.





**ALLROUND ROPES**

## → DIETER FELLHOFER

**Currently, I work:**  
in sales and marketing at FSE Robline

**My favorite hobbies and pastimes are:**  
sports, spending time with my family, or just relaxing listening to good music or reading an interesting book.

**How did you get into sailing?**  
My father was a windsurfer of the first hour and got me on a board at an early age. Later on, I also took up sailing.

**What do you like most about sailing?**  
It's perfect for getting away from the everyday, and it allows you to experience nature with all its beauties and forces.

**Why have you chosen FSE Robline ropes?**  
Simply because I know how much effort we put into our products and their continued improvement!

**Which is your favorite FSE Robline product?** Racing Sheet Pro – an innovative fiber mix that combines ultimate performance with perfect grip!

**What is important to you when it comes to Allround Ropes?**  
Even though they are „only“ our bread and butter products, they must function reliably, at all times, and everywhere!

**Which is your favorite product in the Allround Ropes category?** The Floating Security Line – because of its colorful design :)

**What was your best sailing experience?**  
Sailing in the Aegean Sea, in strong winds, and yet under sunny and blue skies.

**What are the three things that you would take with you to a deserted island?**  
All I know is what I wouldn't bring ... but if I had to choose, I would say an iPod, dextrose tablets, and of course a return ticket!

**In 20 years, I will:** with grey hair and at 65 years, feel exactly as young as today!

**I would like to spend a day with this celebrity:**  
The man who said „Imagination is more important than knowledge“, Albert Einstein



Ø mm	8	10
m	200	200
daN	700	900
g/m	21	33
yellow-red	3015	3016

## FLOATING SECURITY LINE



XLF

Easy to spot security rope made of XLF

Floating Security Line is made of a 16-plait XLF hollow weave. This makes it buoyant and easy to splice. Signal colors make it easy to see.

Ø mm	2	2,5	3	4	5	6
m	400	280	200	200	200	200
daN	100	150	220	370	500	600
g/m	2	5	6	10	17	22
white	7770	7769	1013	1016	1019	1022

## POLYESTER 16



All-purpose rope with good resistance to abrasion and stretch values. 16-plait PES cover. Twisted and, from diameters of 4 mm, 8-plait core.

Ø mm	1	2	3	4	5	6	8	10
m	600	400	200	200	200	200	200	200
daN	40	90	180	310	450	550	950	1500
g/m	1	2	4	7	13	19	37	54
white	7771	7772	1126	1110	1736	1021	1024	1025
20m	-	-	3120*	3122*	-	-	-	-
50m	-	-	3121*	3123*	-	-	-	-

\* plastic card

## POLYESTER 8



Low-stretch, grippy 8-plait all-purpose Polyester rope.

Ø mm	1	1,5	2	2,5	3	4	5	6	8
m	600	500	400	280	250	250	250	100	200
daN	40	60	80	120	180	310	510	740	1210
g/m	1	1	2	3	5	7	12	18	33
white	7762	7761	7764	7763	7765	7766	7767	0138	0018

## POLYAMIDE 8



Durable 8-plait all-purpose Polyamide rope.

Ø mm	3	4	5	6	8	10
m	500	500	200	200	200	200
daN	100	200	320	450	650	1100
g/m	3	5,4	9	16	27	40
white	3001	3002	3004	3008	3009	3010
20m	3091*	3097*	-	-	-	-
50m	3090*	3092*	-	-	-	-

\* plastic card

## XLF 8



Buoyant 8-plait all-purpose XLF rope with high elasticity.

Ø mm	3	3,5	4	4,5	5
m	200	100	100	100	100
daN	210	290	310	400	450
g/m	5,7	8,8	10,3	12	13
white	7760	0034	0035	0036	0037

## POLYAMIDE 16-START



Specifically developed as an engine starter rope. Characterized by high abrasion resistance and minimal stretch. Featuring a 16-plait PA cover and an 8-plait PA core.





**SAILMAKER**

## → **PETER "KRULL" ANDERSSON**

**Currently, I work as:**  
Product Manager for the Marine business

**My favorite hobbies and pastimes are:**  
Well that's an easy one, Sailing

**How did you get into sailing?**  
We always had a sailing boat in the family, so a natural step.

**What do you like most about sailing?**  
The time before a big event, to get the boat with crew up to level.

**Why have you chosen FSE Robline ropes?**  
I got some free samples a long time ago and learned about the quality in the ropes.

**Which is your favorite product in the Sailmakers category?**  
GFL

**What was your best sailing experience?**  
Winning the World championships and cruising with my family.

**What are the three things that you would take with you to a deserted island?**  
A Boat, Lots of Snus, A Book

**In 20 years, I will:**  
Still keep on racing but with my son.

**I would like to spend a day with this celebrity:**  
Jessica Rabbit



Ø mm	8	11	14
m	200	200	200
daN	3000	5900	8800
g/m	55	105	155
white	3502	3503	3504

### Code Zero line for sailmakers

CZL is one of FSE Robline's recent developments, tailored specifically to the needs of sailmakers. In combination with an intermediate cover, its impregnated Vectran® core achieves unique torsional

Ø mm	8	10	11	14
m	200	200	200	200
daN	4000	6000	8500	13500
g/m	58	83	100	160
white	2106	2662	2107	2108

### Torsionally rigid line for sailmakers

GFL is used mainly as luff line for genaker and Code Zero sails and exhibits its qualities, especially its excellent torsional characteristics, also on large-sized yachts. Its compact 32-plait PES cover makes GFL resistant to abrasion and UV and prevents any core/cover slip-

Ø mm	3	4	4,5	5	6	7	8
m	200	200	200	200	200	200	200
daN	150	220	280	350	450	650	1000
g/m	7	10	15	18	25	36	49
white	1402	1403	1404	1405	1406	1733	1734

### Compact profile line for your luff

This is a highly compact and abrasion-resistant profile line featuring a smooth cover which consists of 16-plait PES of a very small lay

Ø mm	5	6	7	8	10
m	200	200	200	200	200
daN	400	650	950	1300	1800
g/m	11	15	24	32	49
white	6009	6010	6011	6012	6013

### Premium quality line with low creep

Polynite is a laid 3-strand rope made of high quality XLF. Polynite

Ø mm	3	4	5	6	7	8	10
m	250	200	100	100	200	100	100
daN	28	56	60	66	88	111	166
g/m	6	13	17	25	37	45	81
white-red	7738	7739	5159	5160	3340	5161	5162
black	9081	9082	5058	9083	2935	9084	9085
blue*	3350	3352	3355	3356	-	3357	-
yellow*	3359	3351	-	-	-	-	-
red*	3348	3353	3354	-	-	-	-

\* only available on 100m spools.



NEW  
PRODUCT

### CZL - CODE ZERO LINE



Polyester 24

Polyester

Vectran®

rigidity. Its 24-plait Polyester cover provides excellent protection against UV and abrasion. CZL was developed specifically in cooperation with distinguished sailmakers.

### GFL - GENAKER FURLER LINE



Polyester 32

XLF-Manor®

Vectran®

page. For the core, we rely on a 12-plait Vectran® fiber for lowest stretch, and the additional impregnation provides protection against UV and abrasion.

### PROFILE-LINE



Polyester 16

Polyester

length. The core is made of 8-plait PES.

### POLYNITE



XLF 3

exhibits low creep and is therefore perfectly suited as leech line.

### SHOCK CORD



Polyester

Rubber

### Rubber line for high demands

The cover of the rubber line is made of highly abrasion-resistant Polyester, while its core consists of premium quality rubber. This combination makes the line compact, stable, and durable.





## TRIMLINE ORION 500



Proven PES trim line

In Trimline Orion 500, you will encounter premium quality Polyester

Ø mm	m	daN	g/m	white-red
2	250	60	2	7747
3	200	150	5	7753
4	125	300	10	7759
5	100	440	16	1783
6	100	550	24	1784

in both cover and core, which translates into high resistance to abrasion and UV.

## LEECH LINE 3000



Low-stretch leech line

Leech Line 3000 performs at its best mostly when used as leech line or for clam cleats. Its Polyester cover lends to Leech Line 3000

Ø mm	m	daN	g/m	white-yellow-red
1,7	200	100	2,4	6006
2,5	200	200	4,8	6007
3	200	300	6,6	1666
4	200	500	10,7	1050
5	200	750	17,8	1633
6	200	1000	25	1051

immense dimensional stability, and its Aramide core ensures lowest stretch.

## COLOURED TRIM & LEECH LINES



### POLYESTER COLOUR

Polyester trim line or flag line.

Consisting of 8-plait PES, this product is highly UV resistant, and exhibits low stretch and high abrasion resistance.

Ø mm	m	daN	g/m	red	blue	green	black
3	200	150	4	0022	0023	0024	0025
4	200	280	7	0027	0028	0029	0030
5	200	450	13	0201	0203	0204	0106
6	200	550	16	-	-	-	0032



### MINI-SPOOLS POLYESTER COLOUR

For use as flag line or trim line

Low stretch, highly resistant to abrasion and UV, consists of 8-plait PES.

Ø mm	m	daN	g/m	red	blue	green	black	assorted colours
3	20	150	4	0179	0182	0128	0185	0164



### MINI-SPOOLS ORION 500

High quality Polyester all-purpose rope.

This product features a 16-plait cover combined with a yarn, both made of high quality Polyester.

Ø mm	m	daN	g/m	red	blue	black	assorted colours
2	30	70	3	1296	1297	9086	9088
3	15	150	6	1306	1307	9087	9089

Ø mm	m	daN	g/m	red	blue	black	assorted colours
2			8129	8130	8131	8132	8133
3			8160	8159	8161	8162	8134



### MINI-SPOOLS GLOBE 5000

Dyneema® line on a minispool for various applications.

12-plait cover with Dyneema® SK 75 core.

Ø mm	m	daN	g/m	red
1,7	10	130	2	2670



Ø mm	m	daN	g/m	traditional
3	15	120	5	5319

### MINI-SPOOLS CLASSIC-TEX

An eyecatcher: the classic look of Classic-Tex.  
Twisted 3-strand XLF line.



Ø mm	m	daN	g/m	white
1	50	25	1	3281
2	40	50	2	3117
3	15	100	3	3095
4	10	200	5	7119

### MINI-SPOOLS XLF

High-grip allround line for a variety of applications.  
8-plait line made of XLF.



Ø mm	m	anthracite
2	25	9710
3	15	9711
4	10	9712

### MINI-SPOOLS OCEAN 3000 XG

Dyneema® SK78



## TAGLINGSGARN

Ø mm	m	white
1	50	4091

### STRONGER THAN STEEL WHIPPING TWINE

Innovative whipping twine made of  
Dyneema® SK75

Dyneema® whipping twine excels mostly due to its high breaking loads and smooth surface. It is easy to handle and requires no additional waxing.



Ø mm	m	red	blue	green	black	brown	assorted colours
0,8	80	9680	9678	9679	9677	9685	0109

### WAXED WHIPPING TWINE

Whipping twine - particularly easy to handle

FSE Robline's waxed whipping twine made of colored Polyester is particularly easy to handle and impresses users with the high quality of the twisted PES twine.



Ø mm	m	white
0,5	100	9635
0,8	80	9676
1	46	9640
1,5	32	9681

### WAXED WHIPPING TWINE

Braided whipping twine with a high wax content

From a diameter of 0.5 mm, this waxed whipping twine is braided into an 8-plait weave. Therefore, it will not unwind. The new wax formula makes the whipping twine particularly easy to use.



Ø mm	m	white	navy	brown
0,8	80	9716	9843	9687

### WAXED WHIPPING TWINE & NEEDLE

Waxed polyester twine and sailmaker needle.  
Available in cartons of 10 units each.







## → HENRIC JACOBSSON

**Currently, I work as:**  
Managing Director at TEUFELBERGER AB

**My favorite hobbies and pastimes are:**  
Skiing

**How did you get into sailing?**  
By my father who was a sailor

**What do you like most about sailing?**  
Compete

**Why have you chosen FSE Robline ropes?**  
Fantastic quality

**What is important to you when it comes to Traditional ropes?**  
Appearance and quality

**Which is your favorite FSE Robline product?** Admiral 7000

**Which is your favorite product in the Traditional Ropes category?** Spunflex

**What was your best sailing experience?**  
First time at world championship in optimist dinghy 1980

**What are the three things that you would take with you to a deserted island?**  
Book, fishing net and my family

**In 20 years, I will:**  
Spend more time in the Austrian mountains

**I would like to spend a day with this celebrity:** Usain Bolt





## TRADITIONAL ROPES & ACCESSORIES

It is the first impression that counts. With generations of design and development, FSE Robline's range of Traditional products has a classic look and feel. Our experience will deliver a product that has high abrasion resistance and reliable performance over a long period of time.





SCHOT  
SHEET  
ECOUTE

## CLASSIC 5000

NEXT  
GENERATION



WITH  
Dyneema®

Polyester 32

Polyester  
Soft

Dyneema®  
SK75

DYN

Ø mm	m	daN	g/m	traditional
10	200	4200	52	2663
12	150	5700	85	2664
14	100	7400	119	2665
16	100	9200	147	2666



### A compelling combination

Dyneema® Classic is our answer to the demand for traditionally styled high-tech ropes. Its 32-plait cover of high quality Polyester protects the Dyneema® core from UV and abrasion. This design ensures optimum grip, high breaking forces, and great ease of splicing. Thanks to its traditional appearance, the multifunctional Dyneema® Classic is ideally suited for use on traditional vessels.

## HIGHLIGHTS

- HIGH BREAKING LOAD
- EXCELLENT ELONGATION PROPERTIES
- ALMOST ZERO COVER CORE FRICTION

SCHOT  
SHEET  
ECOUTE

## DOUBLE BRAIDED CLASSIC



PES

Polyester 32

Polyester

Ø mm	m	daN	g/m	traditional
10	200	2600	71	2361
12	150	3600	103	2362
14	100	4800	140	2363
16	100	6500	178	2364



### A traditional rope with a long life span

Based on the long-standing and proven Sirius design, Double Braided Classic excels due to its ideal grip and high abrasion resistance. The 32-plait weave of this traditional line consists of a com-

bination of Polyester staple fibers and Polyester multifilaments and ensures the product's long service life.

SCHOT  
SHEET  
ECOUTE

## CLASSIC-TEX



XLF 3

Ø mm	m	daN	traditional
3	400	120	5310
4	200	165	5311
6	200	355	5312
8	200	595	5313
10	200	900	5314
12	150	1340	5315
14	100	1740	5316
16	150	2180	5317
30	100	5700	5318



### A new edition of this all-time classic

Made of XLF, Classic-Tex looks like a traditional rope, but behaves like a state-of-the-art yachting rope. Its benefits include a long service life, low stretch, and zero water absorption. Classic-Tex is used

as sheet, in tackles, as multi-purpose rope, and for decorative purposes.







SCHOT  
SHEET  
ECOUTE

## SPUNFLEX



XLF 3

Symbiosis between traditional look and cutting-edge tech

Spunflex bridges the gap between modern yachting ropes and traditional appearance. XLF fibers make Spunflex long-living, abrasion-resistant, low-stretch, and resistant to water absorption. It is suited for use as a multi-function rope or for decorative purposes.

Ø mm	m	daN	g/m	traditional
6	220	550	17	7170
8	220	960	29	7171
10	220	1430	45	7172
12	220	2030	74	7173
14	220	2790	94	7100
16*	220	3500	124	7046
18*	220	4500	142	7047
20*	220	5500	184	7174
22*	220	6700	219	7175
24*	220	7500	254	7176
26*	220	8900	320	7177
28*	220	10100	347	7048
32*	220	11000	446	7178

## ACCESSORIES

## BOWMAN HARNESS

For the pros, by the pros

Our experience in the sports climbing segment gives us the expertise necessary to develop the ideal climbing harness in terms of comfort and safety. A broad back pad and wide leg loops ensure perfect fit and provide unprecedented comfort while up on the mast. Its low weight ensures great freedom of motion, and its special construction guarantees a perfect fit, even when worn on top of oilskins. Holders for the fid, to open the shackle, and loops to fasten any required implements provide for unparalleled ease of handling. The Bowman Harness has been certified to EN 12277 by the German Technical Inspectorate (TÜV) and is available in 2 sizes.

	Size L	Size XL
	75-93 cm	88-107 cm
Art.Nr.	2870	2871



## SAFETY NET, SAFETY LINE



**Order No:**  
Line 100 m Ø 7 mm: 5090  
Net 210m Ø 2 mm: 8382  
Net 70m Ø 2 mm: 5091

**Attention:** Line and net have to be ordered separately.

## SPLICING SET

WITH STAINLESS STEEL HOOKS



**Order No:** 5097  
Ø mm: 6 / 8 / 10 / 12 / 14

## HEATCUTTING DEVICE



**Order No:**  
Knife: 5023  
Cutting Device: 5022



# TEUFELBERGER GROUP

## THE DEVELOPMENT IN 220 YEARS



## 5 LOCATIONS



Wels headquarters, AUT  
strapping, baler twines,  
fiber ropes



Wels Wire Rope, AUT  
wire ropes



St. Aegyd Wire Rope, AUT  
wire ropes

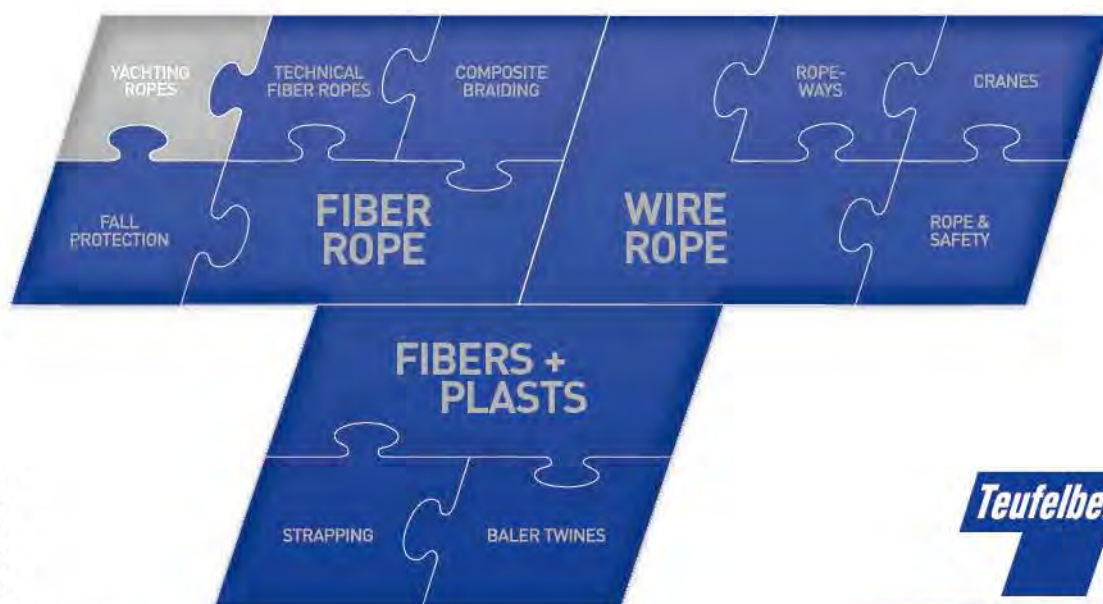


Veseli, CZ  
fiber ropes



Fall River, USA  
fiber ropes

## TEUFELBERGER GROUP'S THREE DIVISIONS



[www.teufelberger.com](http://www.teufelberger.com)



TOGETHER IN MOTION





## KINDS OF FIBERS

### MONOFILAMENTS

A few comparably thick fibers ( $\varnothing$  0,3 mm) are fed parallel into the braiding process.

**FSE Robline products:** Floating Security Line

### MULTIFILAMENTS

Many very thin fibers (0,001 mm) are used as a bundle during the braiding process. This construction is the most widely used kind of construction in yachting ropes.

**FSE Robline products:** Globe 5000, Orion 300/500

### TEXTURED FIBERS

The fibers do not lie parallel in the bundle but along more or less random paths. Therefore the fibre bundle has a comparably rough surface.

**FSE Robline products:** Racing Sheet

## RAW MATERIALS IN DETAIL

### DYNEEMA® / SPECTRA®



The raw material for Dyneema® is Polyethylene which is changed on a molecular basis and in addition is stretched in one direction. These stretched molecule chains increase the breaking load and decrease the elongation. Therefore Dyneema® has the lowest stretch at break of all synthetic fibers. Dyneema® / Spectra® has a very low specific weight and is therefore buoyant. The only disadvantage is that it creeps. This means the fiber will show a permanent elongation under load. Dyneema® and Spectra® are used as core material in high-tech ropes. The core will carry the load whereas the cover is just used for abrasion and light protection. Therefore the cover can easily be removed from the rope ends without reducing the breaking loads. Dyneema® also has a good abrasion resistance and resistance against sunlight. Dyneema® / Spectra® is the most widely used high-tech fiber in yachting ropes and can be used for all value-added products: sheets, halyards and trim lines.

**FSE Robline products:** Ocean 3000 XG, Admiral 7000/5000/3000, Globe 5000/3000/1000, Dinghy Control, Tapered Sheet 3000, Ocean Dyneema®

### LIQUID CRYSTAL POLYMER (LCP, VECTRAN®)

LCP's are very complicated and modified chains of Polyester. Vectran® is a brand name of Hoechst Celanese from the USA. Vectran® is very expensive and therefore only used in high-tech lines. A very low elongation is combined with extremely high breaking loads. On the other hand the UV-resistance is not very high. It also shows a very high temperature resistance and is not very sensitive against bending over sharp edges. The big advantage though of Vectran® is the absence of creep. Vectran® is an absolute high-tech fiber and mainly used for competition. The low UV-resistance makes a cover necessary that also can not be removed for weight reduction.

**FSE Robline products:** Admiral Vectran®, Vectran® 3000, GFL, ...

### PBO (Polybenzoxazoles, Crystal Polymer)

PBO is a high-tech fibre. It is produced by Toyoba in Japan. It combines extreme breaking loads, high temperature resistance and very low elongation. However, the disadvantage is the low resistance against sunlight. Therefore PBO can only be used with a cover of Polyester. PBO-fibers are used in halyards for racing and as backstays, also for Code-Zero-application.

**FSE Robline products:** Admiral PBO

OVERVIEW	POLYPROPYLENE (PP) = XLF	POLYESTER (PET)	POLYAMIDE (PA)
Raw material	XLF Multifilament	PET	PA6 / PA66
Strength (daN/mm²)	56	110	81
Specific weight (g/cm³)	0,91	1,4	1,14
Water intake (%)	0	0,5	3
Sun resistance	well	very good	average
Elongation (%)	20 - 25	10 - 16	20 - 25
Abrasion resistance	sufficient	very well	very good
Creep	at high loads	nearly not measurable	low good
Melting temperature (C°)	160	250	250



## ARAMIDE

Aramid fibers have an extremely high breaking load and show almost no elongation. On the other hand they are sensitive against sunlight, against bending over sharp edges and against abrasion. Aramide only plays a minor role in yachting ropes. The fiber is produced by DuPont (Kevlar®) and Akzo (Twaron®). In the field of yachting Aramide fibers are mainly used in places where high temperature resistance is essential, for example on winches. They are very suitable for winches but should not be used on stoppers due to their low resistance against bending over sharp edges.

**FSE Robline products:** Ocean Dyneema®, Leech Line 3000, ...

## POLYESTER (PET)

PES has good breaking loads and a low elongation. There are both chemical and physical characteristic advantages like e.g. resistance against seawater, good abrasion resistance (in dry conditions as well as in wet conditions) and also good resistance against sunlight making PET to the most widely used material in yachting ropes. It is used as a material in the core for halyards and sheets as well as for docking and anchoring lines. In the high-tech range Polyester is used as material for the cover. The excellent characteristics of Polyester speak for it self. As Polyester sinks it can also be used for anchoring lines. For high-tech ropes it is used as a material for the cover (protection against UV-radiation) for simple it is also used in the core.

**FSE Robline products:** Orion 300, Sirius 500, Rio, Rapallo, ...

## POLYAMIDE (PA)

Polyamide has a high breaking load as well as high elongation. The abrasion resistance of PA is better in wet conditions than in dry conditions because it tends to take up water (up to 7%). Kept in wet conditions for too long the material can become stiff. Another disadvantage compared to Polyester is the comparably lower resistance against UV-radiation in the sunlight. Therefore PA is increasingly being replaced by Polyester. Polyamide is still widely used for docking and mooring lines and for universal applications.

**FSE Robline products:** Palermo, ...

## POLYPROPYLENE (PP) = XLF

Polypropylene is only used for simple applications due to its limited technical characteristics. PP is very light and is even buoyant. Abrasion resistance and temperature resistance are sufficient. It is typically used for simple docking and mooring lines or for universal applications.

**FSE Robline products:** Albatros, Cormoran, ...

## PLA YARN

The PLA Yarn are fiber made from Poly Lactic Acid e.g. corn. There is no difference of the technical aspects to regular synthetic fibers, PLA fiber products look and feel just like regular synthetic fiber. Lactic acid is made out of natural sugar resources, which are in turn made by photosynthesis out of CO<sub>2</sub> in plants. They are biodegradable under a specific industrial process. The material can be regarded as "CO<sub>2</sub>-neutral" and therefore renewable.

## ECO-XLF

This yarn type is entirely environmentally friendly and decomposes under industrial circumstances. A chemical reaction breaks up the carbon/carbon bonds, causing a reduction in molecular weight. A chemical reaction breaks the carbon-carbon bonds in material leading to a lowering of the molecular weight. The degradation process is initiated at the time the yarn is extruded so the yarn will totally degrade and disappear in a short timescale. The degradation will leave nothing more than water, Carbon Dioxide and a very small amount of Biomass. They are biodegradable under industrial circumstances.

DYNEEMA® / SPECTRA®	ARAMIDE	LIQUID CRISTAL POLYMER	PBO
VHMPE	Aramid	LCP	PBO
345	250	280	574
0,97	1,45	1,41	1,54
0	3	0	0,5 - 2,0
very good	limited	limited	low
3,5	3,5	3,5	2,5 - 3,5
very good	very well	good	good
at high loads	nearly not measurable	not measurable	nearly not measurable
140	450	330	non





FSE ROBLINE

# SUPPORT



CAPT. MIKE R. WILSON  
Boat Captain S/Y Saudade (G-4493, M198)



PIERRE LÉBOUCHER & VINCENT GAROS  
470



S/Y SAUDADE  
SUPER MAXI CLASS



BEN MOON



TEAM RONSTAN



BERTRAND DELESNE  
Mini Transat





YBK - KESSEMIC  
(CREW- UND RACE MANAGER)  
WALLY CLASS  
*Hopman (Brille) Hesse*



MS PETER STEINACHER  
& ROMAN HAGAR  
EXTREM 40 CLASS  
*Peter Steinacher*



HARVIN FRISCH / 420  
*Harvin Frisch*



MIKE MARTIN & MORGAN LARSON  
*Mike Martin*



MS PETER STEINACHER  
& ROMAN HAGAR



MAC DONALD BEADLY  
SAILING



PETER ANDERSSON  
*Peter Andersson*



