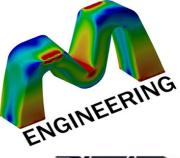


WORLD CLASS YACHTING ROPES











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





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?

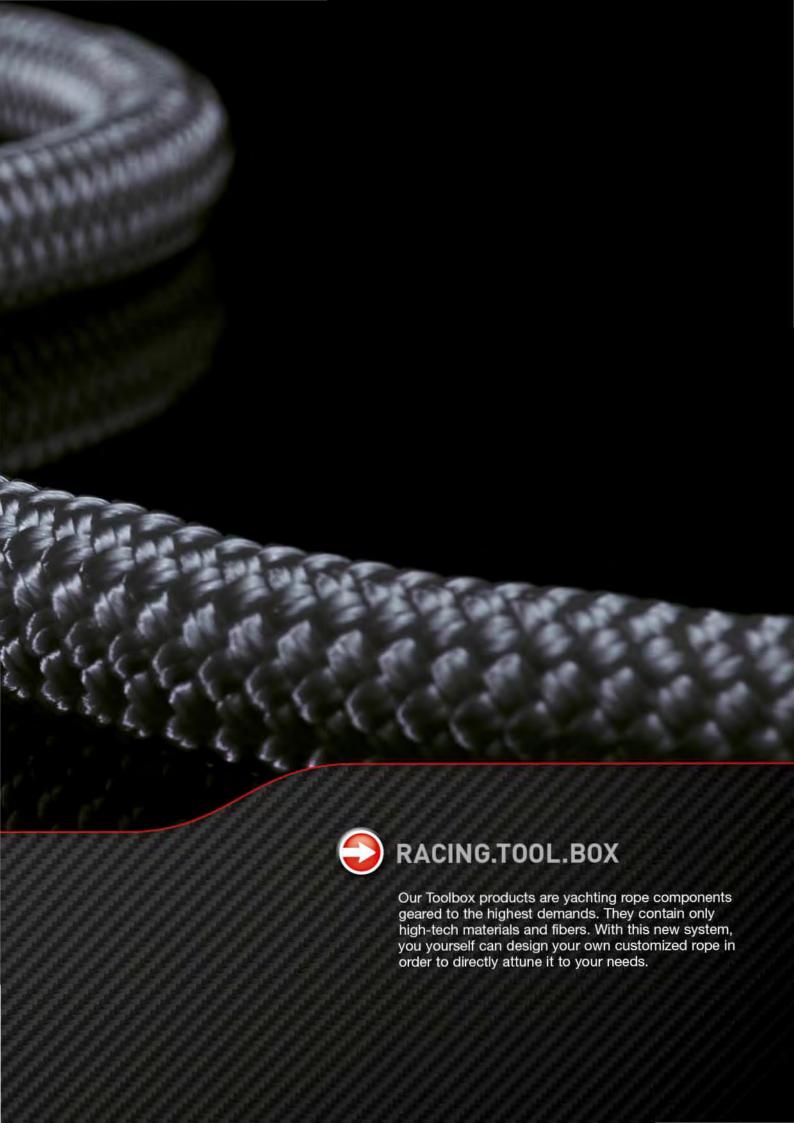
Good grip, durability, and long life.

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



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 predefined minimum value.





→ CHOOSE YOUR CORE



Ø mn	Ø mm	daN g/r		n	
	2	600	2,7		
	3	1200	5,5		
	4	2000	9,6		
	5	2900	13,9		
	6	4000	21.4		

Ocean 7000 incorporates the brandnew 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.



Ømm	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	1 3000	XG			
Dyneema*		33	23		Dyneema® SK78
	red	blue	yellow	anthracite	Also available in Dyneema® SK75 and DynaMax.

Ømm	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	
	Vectron*

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

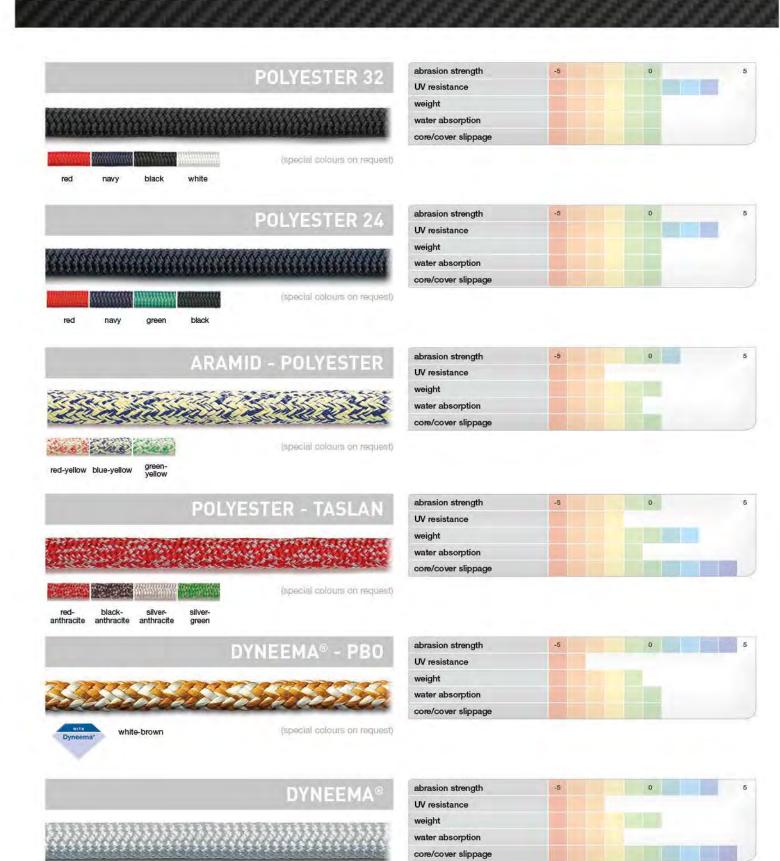
The 12-plait weave of Vectran® 3000 makes this rope very easy to splice. Other benefits of Vectran® 3000 include high breaking loads as well as high resistance to abrasion and UV.

PBO	
	TO S

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.

→ CHOOSE YOUR COVER



(special colours on request)







DISTRIBUTION

AUSTRALIA
Ronstan International Pty Ltd
19 Park Way, Braeside, Victoria 3195, Australia
Tel. +61 3 8586 2000, Fax +61 3 8586 2099
office@ronstan.com.au

CROATIA Katateh d.o.o. Julija Kiovica 21, HR-2300 Zadar Tel. +385 (0)23331-777, Fax +385 (0)23/331-398 info@katateh.hr

DENMARK Engholm A/S Solvang 40-42, DK-3450 Allerod Tel. +45 38 100222, Fax +45 38 330220 cee@engholm.dk, www.engholm.dk

ESTONIA Alter Electric Ltd., Gaasi 4, EE-11415 Tallinn, Estonia Tel. +372 6 519 686, Fax. +372 6 519 667 marine@marine.ee, www.marine.ee

Greement Import Sarl
F-44803 Saint-Herbiain
13 Rue du Chêne Lassé – BP 60284
Tel. +33 2 28 03 01 01, Fax +33 2 28 03 19 91
commande@greementImport.fr, www.greementImport.fr

OY Maritim AB Veneentekijāntie 1 P.O. Box 46, FI-00210 Helsinki Tel. +356 207 65 180, Fax +358 207 65 2943 info@maritim.fi, www.maritim.fi

GERMANY & AUSTRIA Peter Frisch GmbH Isat-Ring 11, D-80805 München Tel. +49 89 365075, Fax +49 89 365078 info@frisch.de, www.frisch.de

HUNGARY Marina Yacht Sport Kereskedelmi Kit H-1034 Budapest, Bécsi üt 118/ä. Tel. +361 322 8655, Fax +361 322 9834 office@marina.hu, www.marina.hu

ITALY Tomasoni Topsail S.p.A. IT-16035 Rapallo, Via E. Toti 59 Tel. +39 0185 200 295-7, Fax +39 0185 263 160 yela@tomasonl.com, www.tomasoni.com

JAPAN Yuukou Marine Kabushiki Gaisha 13229-17 Kitakishimacho Kasaokashi, Okayamaken, 714-0301 Japan Tel. -81 (0)665-68-2121, Fax +81 (0)0865-68-2123 colin@yuukoumarine.jp, www.yuukoumarine.jp

On Deck b.v. Leimulderdijk 478a, NL-2156 MX Weteringbrug Tel. +31 71 331 3366, Fax +31 71 331 3387 allhands@on-deck.nl, www.on-deck.nl

NEW ZEALAND Ronstan International Pty Ltd 19 Park Way, Braeside, Victoria 3195, Austra Tel. +61 3 8588 2000, Fax +61 3 8586 2099 office@ronstan.com.au

NORTH AMERICA Ronstan International Inc. 45 High Point Avenue, Sulte 2, Portsmouth, Rhode Island (RI) 02971, USA Tel. +1 401 29 30 539, Fax +1 401 29 30 538 office@ronstan.us

Flak AS
Postboks 9094, Skibasen 37, Serlandsparken,
NO 4636 Kristionsand S
Tel. +47 3805 6600, Fax +47 3814 8411
flak@flak.no, www.flak.no

SPAIN

Eromar S.L.
Escultor Llimona 11 – APDO 345, ES-08328 Alella Barcelona
Tel. +34 93 5556 004, Fax +34 93 5558 900
info@eromar.es, www.eromar.es

SWEDEN
Teufelberger AB
Postbox 53, Bolshedens Industriväg 30, SE-427 22 Bilidal
Tel. +46 31 939 100, Fax +46 31 913 207
Info@teufelberger.se, www.teufelberger.se,
www.robship.com

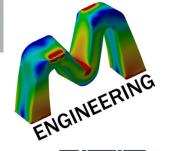
SWITZERLAND YS Trading AG Untermitil 11, CH-6302 Zug, Switzerland Tel. +41 41 760 33 39, Fax +41 41 760 33 39 info@ystrading.ch, www.ystrading.ch

TAHITI
Tahiti Yacht Accessories
PO Box 7:329, 98719 Taravao, French Polynesia
Tel. +68 (974) 1002,
tyaccessorie@yahoo.fr

TURKEY
Polimarin Ltd
Barbaros Bulvari 69a, Besiktas – Istanbul 80690
Tel. +90 212-259 27 51 – 258 21 70, Fax+90 212-260 33 89
polimarin⊛tnn.net, www.polimarin.com

Marintek A.S. Ünalan Mah. Ünalan Cad. No. 9/1, TK-34700 Üsküdar - Istanbul Tel. +90 (216) 317 1010, Fax +90 (216) 317 5656 mahmut⊛manntek.com.tr, www.marintek.com.tr

UNITED KINGDOM Harken UK Ltd Bearing House, Ampress Lane, Lymington, Hampshire, SO41 8LW Tel. +44 (1590) 68 9122, Fax +44 (1590) 61 0274 enquiries@harken.co.uk, www.harken.co.uk





KARVER sailing experience





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

TEUFELBERGER Ges.m.b.H.

Vogelweiderstraße 50 4600 Wels, Austria T+43 7242 413 0 F +43 7242 413 169 E fiberrope@teufelberger.com

www.teufelberger.com