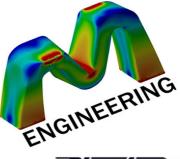


WORLD CLASS YACHTING ROPES











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





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?

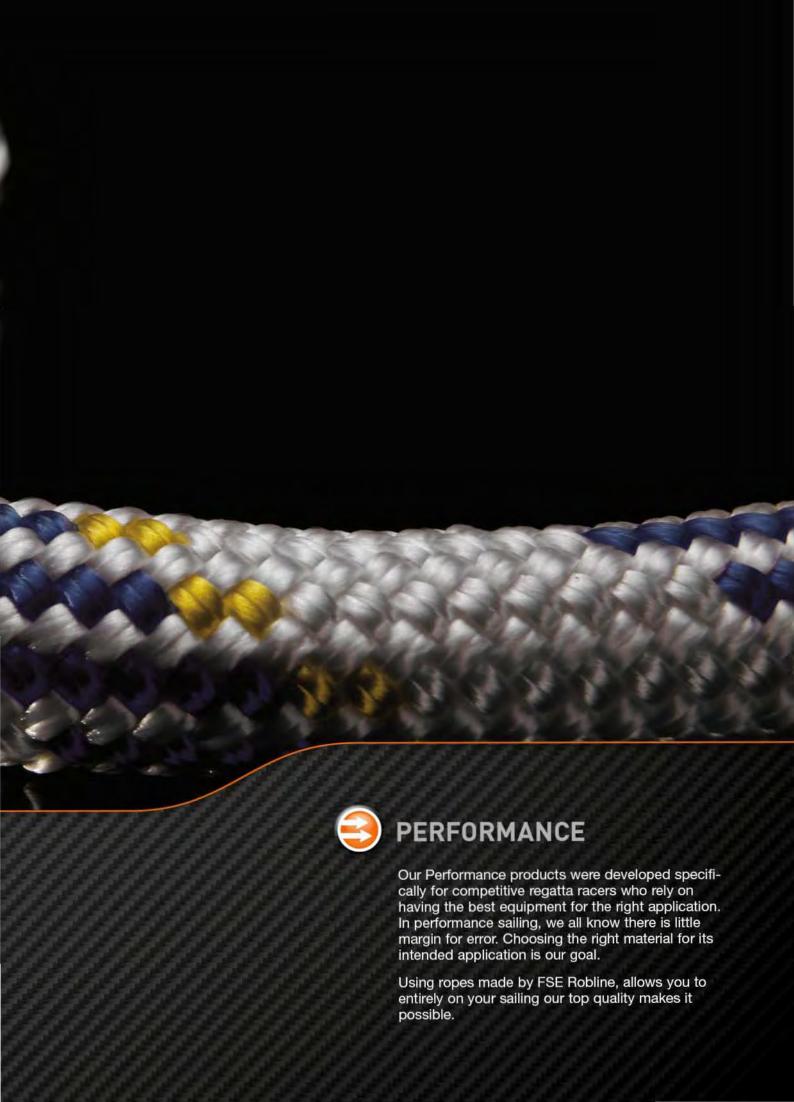
That signs of wear appear gradually and not abruptly; low weight, and grip to the very end.

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







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



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.

HIGHLIGHTS

- HIGHEST BREAKING LOAD
- REDUCED ABRASION



Ø mm	m	daN	g/m	red-orange- grey	green- neongreen- 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



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

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.



Ømm	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



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.

HIGHLIGHTS

EXCELLENT GRIP

HIGH ABRASION RESISTANCE











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 ⊘ 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



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.



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 intermediates

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.



6 200 1000 23 9229 9235 924 8 200 1600 40 9230 9236 924 10 200 2600 62 9231 9237 924 12 150 3800 87 9232 9238 924	Ø mm	m	daN	g/m	white-red	white-green	white-navy
8 200 1600 40 9230 9236 924 10 200 2600 62 9231 9237 924 12 150 3800 87 9232 9238 924	4	200	400	10	9228	9234	9240
10 200 2600 62 9231 9237 924 12 150 3800 87 9232 9238 924	6	200	1000	23	9229	9235	9241
12 150 3800 87 9232 9238 924	8	200	1600	40	9230	9236	9242
	10	200	2600	62	9231	9237	9243
14 100 4900 118 9233 9239 924	12	150	3800	87	9232	9238	9244
	14	100	4900	118	9233	9239	9245

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



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,

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

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.

HIGHLIGHTS

HIGHEST BREAKING LOAD AT LOW WEIGHT

 UV-RESTISTANCE THROUGH INNOVATIVE IMPREGNATION

VECT	RAN® 300	TRIM CROSS TRIM OVER
		Assotrary*

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.

STRONGER THAN STEEL SHAKLE



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.









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

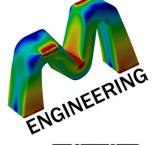
SWITZERLAND YS Trading AG Untermitil 11, CH-6302 Zug, Switzerland Tel. +41 41 760 33 39, Fax +41 41 760 33 39 info@ystrading.ch, www.ystrading.ch

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









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

www.teufelberger.com

Vogelweiderstraße 50

4600 Wels, Austria

T+43 7242 413 0 F +43 7242 413 169

TEUFELBERGER Ges.m.b.H.

E fiberrope@teufelberger.com