
BalticRopes
QUALITY. INNOVATIONS. EXPERIENCE
ANNO 1991

About

SIA Magistr is one of the oldest companies in Latvia established in 1991 as a family company. Magistr is a leading producer and exporter of technical textiles well known under the brand name: *BalticRopes*

Production facilities – 9 328 m²

More than 150 product types

Export to 29 countries

Associated company – Latvian- Norwegian joint venture **RSEZ "MAGISTR-FSKEVEGN GROUP.MFG" SIA**

Since 2002

Production facilities – 9 418 m²

8 000 000 meters of ropes annually

Our equipment:

Twistechnology

Herzog

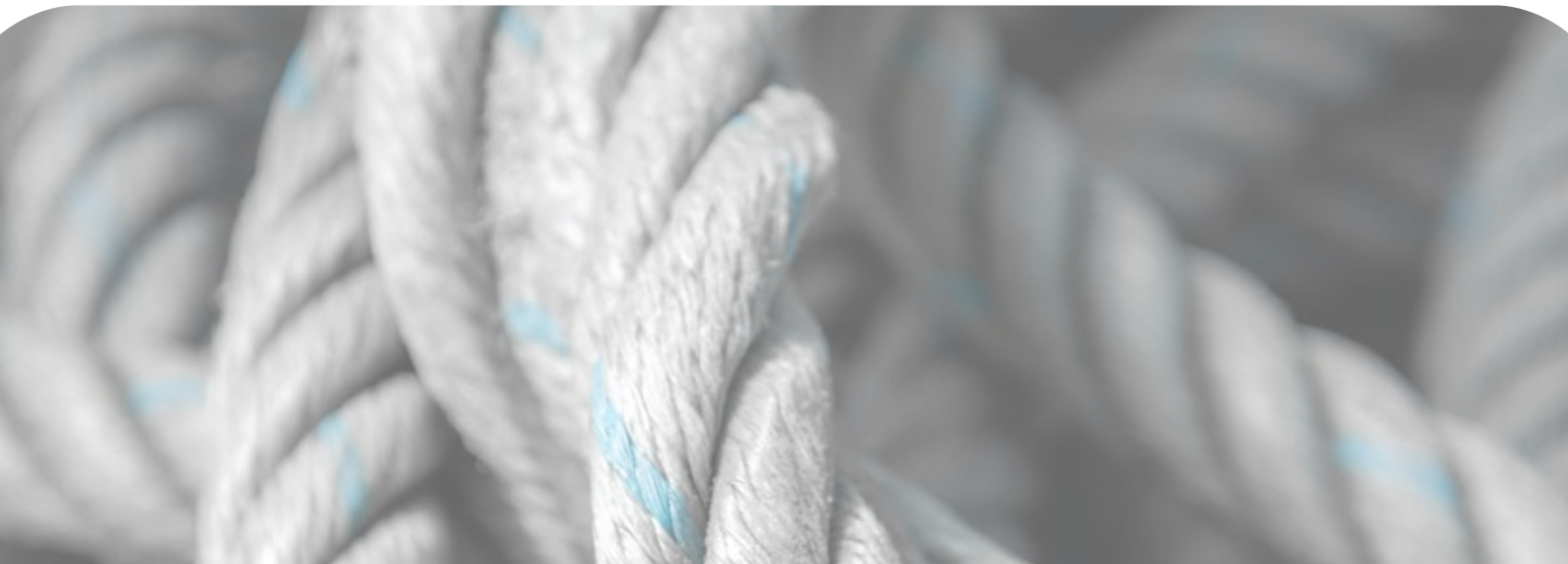
Ratera

Sima Group

Dietze & Schell

Memmingen

Roblon



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MagForce

(12-str.braided HMPE, pre-stretched and impregnated)

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
2	3	3,92
3	5	6,86
4	11	14,7
5	14	18,1
6	23	41,3
8	40	65,7
10	61	105
12	94	150
14	130	200
16	165	255
18	215	315
20	255	380
22	310	450
24	360	520
26	410	600
28	468	685
30	520	775
32	575	865
34	646	965
36	722	1070
38	801	1175
40	884	1285
44	1062	1525
48	1255	1775

MagForce Ultra

12-str.braided rope with double pre-stretching.
Due to extra pre-stretching process rope elongation is 1,5-2 times lower than standard rope.

These ropes are an excelent solution when low elongation is essential.

MagForce – High Modulus Polyethylene (HMPE) ropes are as strong size-for-size as steel wire ropes, though they are lighter, extremely flexible and easier to handle in all respects.

HMPE ropes have significantly lower coefficients of friction as well as lower stretch characteristics than traditional fiber ropes.

Main properties:
specific weight - 0,98 g/cm3 (floating)
melting temperature - 147^0
UV-resistant good resistance to chemically active habitat
Applications: offshore, mooring, towing, lifting
* more HMPE products - page 29-30

HMPE DBR

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
24	364	341
26	423	402
28	489	471
30	559	549
32	635	637
34	716	736
36	803	824
38	888	912
40	981	1010
44	1189	1140
48	1404	1380
52	1645	1610
56	1904	1920
60	2177	2190
64	2475	2520

HMPE Double Braided rope has very low stretch charactristics, excellent cut and abrasion resistance as well as floatability.
Balanced construction prevents from twisting and the rope retains its shape while using.
Core and cover is made of 100% HMPE

Main properties:
specific weight - 0,98 g/cm3 (floating)
melting temperature - 147^0
UV-resistant good resistance to chemically active habitat
Applications: navigation, mooring, winch-line

Baltic Force Line

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
24	450	315
26	560	380
28	615	450
30	700	520
32	785	615
36	990	685
40	1130	775
44	1360	1000
48	1570	1175
52	1925	1230
56	2230	1285

Baltic Force Line has double braided construction, where the rope core is protected by a non-load-bearing cover.
HMPE core is covered with Polyester jacket for even better protection of the rope.

Main properties:
elongation at half load - 3,7%
specific weight - 1,10 g/cm3 (sinking)
melting temperature - $170^0/260^0$
UV-resistance, extra abrasion resistance, exceptional breaking strength
Applications: mooring, navigation

Baltic Mix Line

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	90	75,9
14	120	103
16	155	134,4
18	210	170,6
20	250	210,8
22	305	246,2
24	350	284,4
26	400	331,5
28	450	367,8
30	510	397,2
32	550	431,5
34	610	475,6
36	650	510
38	700	554,1
40	780	608
44	950	693
48	1150	892

12-strand braided Baltic Mix Line combines excellent properties of HMPE and Pre-stretched Danline in one rope.
It has excellent abrasion resistance, high strength and light weight for significantly lower price.

Main properties:
elongation at half load - 4,4%
specific weight - 0,96 g/cm^3 (floating)
melting temperature - 147^0
UV-resistance, abrasion resistance
do not absorb water
Applications: fishery, trawl manufacture

Baltic Mix Line 2

12-strand Baltic Mix Line 2 is made using impregnated HMPE yarn and Danline yarn. Rope is pre-stretched to ensure lower elongation.

This rope is softer and easier to splice.

Baltic Danline

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
10	45,3	27
12	65,2	36,3
14	88,8	46,6
16	116	58,5
18	147	72,3
20	181	87,4
22	219	104
24	261	122,7
26	306	141,6
28	355	161,2
32	464	206
36	587	255,4
38	654	282,5
40	725	306,8

12-strand braided Baltic Danline is a bi-component rope offering strength and high degree of resistance to abrasion.
Special stretching technology increases breaking strength and reduces elongation.

Main properties:
elongation at half load - 4,5%
specific weight - 0,93 g/cm^3 (floating)
melting temperature - 150^0
do not absorb humidity
Applications: aquaculture, fishery, trawls

Baltic Winch Line

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
24	324	118
26	380	138
28	440	160
32	530	200
36	800	270
38	866	310
40	924	340
44	1100	400
48	1400	500
52	1550	590
56	1780	700
60	1930	760
64	2150	880

Baltic Winch Line has double braided construction, where the rope core is protected with abrasion resistant cover.
Braided Danline core is covered with Polyester/PP jacket for even better protection.

Main properties:
elongation at half load - 4,5%
specific weight - 1,10 g/cm3 (sinking)
melting temperature - 170^0/260^0
UV-resistance, abrasion resistance
absorb humidity
Applications: winches, fishery, trawls

Nylon DBR

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
24	358	124
26	420	145
28	488	168
30	560	193
32	637	219
36	806	277
40	995	341
44	1200	412
48	1430	490
52	1680	574
56	1950	665
60	2240	762
64	2550	867
72	3220	1100
80	3980	1350

Double braided construction protects rope from overwinding.
Ropes are produced of hight tenacity Nylon and have good resistance to drop loads and to wear.

Main properties:
specific weight - 1,14 g/cm^3 (sinking)
melting temperature - 215^0
absorb humidity
Applications: mooring, navigation

PES DBR

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
24	459	121
26	539	141
28	625	163
30	717	186
32	816	210
36	1030	264
40	1280	324
44	1540	389
48	1840	460
52	2160	537
56	2500	618
60	2870	707
64	3260	800
72	4130	1000
80	5100	1230

Braided core makes rope stable and braided cover ensures high tenacity and gives extra protection. Polyester ropes are soft and flexible when wet, have lower elongation and keep shape under load.
Ropes are made of high tenacity Polyester.

Main properties:
specific weight - 1,38 g/cm^3 (sinking)
melting temperature - 260^0
resistance to chemically active habitat
absorb humidity
Applications: mooring, navigation

Nylon Grommet

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN	Length, m
60	75	1295	12
64	100	1470	15
80	206	2300	19

Round sling plied in half with protected thimbles at both ends to prevent rope from wear. Galvanized thimbles are resistant to sea water.
Grommets are made of UV-stabilized hight tenacity Nylon of good elongation and low wear that allows to use it as a "spring" to absorb drop loads when towing ships by steel ropes.

Main properties:
specific weight - 1,14 g/cm^3 (sinking)
melting temperature - 215^0
absorb humidity
Applications: towing

MagMarine

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
48	1840	661,5
52	2160	786
56	2500	904,5
60	2870	1088
64	3260	1178
72	4130	1528
80	5100	1948

Special construction of seven braided parallel cores made of hight tenacity Polyester provides higher breaking load then standard DBR.

Main properties:
specific weight - 1,38 g/cm^3 (sinking)
melting temperature - 260^0
resistance to chemically active habitat
UV-resistance
Applications: mooring, navigation

Nylon 8-strand Squareline ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	90	34,5
14	121	47
16	160	61
18	200	75
20	250	92
22	305	112
24	360	129
26	417	149,5
28	490	173
30	560	195,5
32	640	230
36	810	288
40	1000	345
44	1210	408
48	1440	489
52	1700	575
56	1970	644
60	2260	724,5
64	2570	816,5
72	3250	1035
80	4010	1288

Ropes are produced of hight tenacity UV-stabilised Nylon and have good resistance to drop loads and to wear.

Main properties:
specific weight - 1,14 g/cm^3 (sinking)
melting temperature - 215^0
absorb humidity
Applications: mooring, navigation

PES 8-strand Squareline ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	109	28,7
14	149	38,6
16	194	49,7
18	246	62,3
20	304	76,2
22	367	91,3
24	437	107,6
26	512	126,2
28	595	145
30	683	165
32	777	187,5
36	984	235
40	1210	287,5
44	1470	345
48	1750	407,5
52	2050	475
56	2380	546,2
60	2730	625
64	3110	707,5
72	3930	885
80	4860	1083,7

Polyester ropes are mainly characterized by their good resistance to climate conditions (excellent UV-resistance). Ropes are soft and flexible when wet.

Main properties:
specific weight - 1,38 g/cm^3 (sinking)
melting temperature - 260^0
resistance to chemically active habitat
absorb humidity
Applications: mooring, navigation, fishery, water sports

PP split film 8-strand Squareline ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	65,1	21,2
14	88,6	27
16	116	33,5
18	146	42,5
20	181	53
22	219	64,3
24	260	75
26	306	89,1
28	354	100
30	407	112
32	463	132
36	586	160
40	723	200
44	875	236
48	1040	280
52	1220	335
56	1420	375
60	1630	425
64	1850	475
72	2340	600
80	2890	750

Polypropylene mooring ropes find their general application in navigation and fishery. Attractive price is combined with various application options and resistance to chemically active habitat.

Main properties:
specific weight - 0,91 g/cm^3 (floating)
melting temperature - 170^0
do not absorb water
excellent insulation properties

PP Multifilament 8-strand Squareline ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	65,1	21,2
14	88,6	27
16	116	33,5
18	146	42,5
20	181	53
22	219	64,3
24	260	75
26	306	89,1
28	354	100
30	407	112
32	463	132
36	586	160
40	723	200
44	875	236
48	1040	280
52	1220	335
56	1420	375
60	1630	425
64	1850	475
72	2340	600
80	2890	750

Polypropylene Multifilament mooring ropes find their general application in navigation and fishery.
Remain flexible and don't stiffen during life time.

Main properties:
specific weight - 0,91 g/cm^3 (floating)
melting temperature - 170^0
do not absorb water
excellent insulation properties
hight abrasion resistance

Polysteel 8-strand Squareline ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	65,2	26,9
14	88,8	36,4
16	116	47,2
18	147	59,3
20	181	72,8
22	219	87,4
24	261	104
26	306	121
28	355	139
30	408	158
32	464	179
36	587	224
40	725	274
44	877	327
48	1040	385
52	1220	448
56	1420	514
60	1630	583
64	1860	657
72	2350	820
80	2900	995

Polysteel rope is a bi-component polyolefin rope that offers strength and high degree of resistance to abrasion.

Main properties:
specific weight - 0,93 g/cm^3 (floating)
melting temperature - 150^0
do not absorb water
resistance to chemically active habitat
Applications: mooring, navigation, fishery

Silver 8-strand Squareline ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	79,6	28,6
14	108	38,5
16	142	49,8
18	179	62,3
20	221	76,3
22	268	91,2
24	319	107
26	374	125
28	434	144
30	498	164
32	566	186
36	717	233
40	885	285
44	1070	342
48	1270	404
52	1500	471
56	1730	543
60	1990	620
64	2270	701
72	2870	877
80	3540	1070

Ropes are made of hight tenacity Polyester and Polysteel.
This combination provides high tenacity and good UV-resistance, as well as, makes it resistant to abrasion and high temperatures.

Main properties:
specific weight - 1,15 g/cm^3 (sinking)
melting temperature - 260^0/150^0
absorb humidity
resistance to chemically active habitat
Applications: mooring, navigation, fishery

Nylon 12-strand braided ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	90	31,5
14	121	41
16	160	56
18	200	69
20	250	85
22	305	99
24	360	118
26	417	138
28	490	160
30	560	180
32	640	212
36	810	265
40	1000	315
44	1210	375
48	1440	450

Ropes are produced of hight tenasity UV-stabilised Nylon and have good resistance to drop loads and to wear.
12-strand costruction makes rope round, more stable and compact.

Main properties:
specific weight - 1,14 g/cm^3 (sinking)
melting temperature - 215^0
absorb humidity
Applications: mooring, navigation, fishery

PES 12-strand braided ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	109	25
14	149	32,5
16	194	42,5
18	246	54,3
20	304	67
22	367	80
24	437	95
26	512	108
28	595	125
30	683	140
32	777	160
36	984	200
40	1210	250
44	1470	300
48	1750	355

Polyester ropes are mainly characterized by their good resistance to climate conditions (excellent UV-resistance). Ropes are soft and flexible when wet.

Main properties:
specific weight - 1,38 g/cm^3 (sinking)
melting temperature - 260^0
resistance to chemically active habitat
absorb humidity
Applications: mooring, navigation, fishery, water sports

PP split film 12-strand braided ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	65,1	22,4
14	88,6	27
16	116	35,5
18	146	45,4
20	181	56
22	219	67,2
24	260	80
26	306	91,4
28	354	106
30	407	118
32	463	140
36	586	170
40	723	210
44	875	250
48	1040	300

Polypropylene mooring ropes find their general application in navigation and fishery. Attractive price is combined with various application options and resistance to chemically active habitat.

Main properties:
specific weight - 0,91 g/cm^3 (floating)
melting temperature - 170^0
do not absorb water
excellent insulation properties

Polysteel 12-strand braided ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	65,2	26,9
14	88,8	36,4
16	116	47,2
18	147	59,3
20	181	72,8
22	219	87,4
24	261	104
26	306	121
28	355	139
30	408	158
32	464	179
36	587	224
40	725	274
44	877	327
48	1040	385

Mixed polyolefin ropes offer strength and high degree of resistance to abrasion. 12-strand costruction provides a good rope structure for mooring lines.

Main properties:
specific weight - 0,93 g/cm^3 (floating)
melting temperature - 150^0
do not absorb water
resistance to chemically active habitat
Applications: mooring, navigation, fishery

Silver 12-strand braided ropes

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kN
12	79,6	28,6
14	108	38,5
16	142	49,8
18	179	62,3
20	221	76,3
22	268	91,2
24	319	107
26	374	125
28	434	144
30	498	164
32	566	186
36	717	233
40	885	285
44	1070	342
48	1270	404

Ropes are made of hight tenacity Polyester and Polysteel.
This combination provides high tenacity and good UV-resistance as well as, makes it resistant to abrasion and high temperatures.

Main properties:
specific weight - 1,15 g/cm^3 (sinking)
melting temperature - 260^0/150^0
absorb humidity
resistance to chemically active habitat
Applications: mooring, navigation, fishery

Floated Ropes

Polysteel double braided ropes with floats inside.
Different Different float sizes and types are available upon buoyancy request.
Possible with HMPE core for extreme conditions.

Crab Lines

Danline 3-strand main line with spliced tails for crab pot installation.
We offer splicing of tails of any lengths at any requested distance on the rope.
Crab line length is up to 5000m. Packed in boxes or big bags for easy transportation and handling.

Crab line length is up to 5000m. Packed in boxes or big bags for easy transportation and handling.
Most common diameters 20mm, 22mm

Lead Ropes

Twisted and braided lead ropes made of Polysteel or Polyester.
Meter weight is adjusted according to customer's specification.

Nylon twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
4	9,8	3,75	3
6	22,2	8	6,9
8	39,5	14	12,2
10	61,7	21,2	19
12	88,8	30	28
14	121	40	35,5
16	158	50	47,5
18	200	63	56
20	247	80	71
22	299	95	85
24	355	112	100
26	417	125	118
28	484	150	132
30	555	170	150
32	632	190	170
36	800	236	212
40	987	300	265

Ropes are produced of hight tenasity UV-stabilised Nylon and have good resistance to drop loads and to wear.

Main properties:
specific weight - 1,14 g/cm^3 (sinking)
melting temperature - 215^0
absorb humidity
Applications: anchoring, navigation, fishery

PES twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
4	12,1	2,8	2,5
6	27,3	6	5,6
8	48,5	10,6	9,5
10	75,8	16	15
12	109	22,4	21,2
14	149	30	28
16	194	40	35,5
18	246	50	45
20	303	60	56
22	367	71	67
24	437	85	80
26	512	100	90
28	594	118	106
30	682	132	118
32	776	150	132
36	982	190	170
40	1210	236	212

Polyester ropes are mainly characterized by their good resistance to climate conditions (excellent UV-resistance). Ropes are soft and flexible when wet.

Main properties:
specific weight - 1,38 g/cm^3 (sinking)
melting temperature - 260^0
resistance to chemically active habitat
absorb humidity
Applications: anchoring, navigation, fishery, water sports

PP split film twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
4	7,2	2,8	2,2
6	16,3	6	5
8	28,9	10	8,9
10	45,2	15	14
12	65,1	21,2	19
14	88,6	28	26,5
16	116	37,5	33,5
18	146	45	45
20	181	56	53
22	219	67	60
24	260	80	71
26	306	90	80
28	354	106	95
30	407	118	106
32	463	132	125
36	586	170	150
40	723	200	180

Polypropylene ropes find their general application in navigation, fishery, construciton and agriculture.
Attractive price is combined with various application options and resistance to chemically active habitat.

Main properties:
specific weight - 0,91 g/cm^3 (floating)
melting temperature - 170^0
do not absorb water
excellent insulation properties

PP multifilament twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
4	7,2	3,1	2,5
6	16,3	6,7	5,7
8	28,9	11,8	10,2
10	45,2	17	16
12	65,1	25	22,4
14	88,6	33,5	30
16	116	42,5	37,5
18	146	53	47,5
20	181	63	60
22	219	75	71
24	260	90	80
26	306	106	95
28	354	118	106
30	407	132	125
32	463	150	140
36	586	190	170
40	723	236	212

Polypropylene ropes find their general application in navigation, fishery, construciton and agriculture.
Remain flexible and don't stiffen during life time.

Main properties:
specific weight - 0,91 g/cm^3 (floating)
melting temperature - 170^0
do not absorb water
excellent insulation properties
resistance to chemically active habitat

Polysteel twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
6	16,3	6,7	6,08
8	29	11,7	10,5
10	45,3	18	16,2
12	65,2	25,4	22,9
14	88,8	34	30,6
16	116	43,5	39,2
18	147	54,5	49,1
20	181	66,2	59,6
22	219	79,1	71,2
24	261	92,8	83,5
26	306	107	96,3
28	355	123	111
30	408	140	126
32	464	157	141
36	587	194	175
40	725	234	211
44	877	277	

Mixed polyolefin ropes offer strength and high degree of resistance to abrasion.
Mostly used in navigation, fishery, aquaculture.

Recycled eco-friendly rope available upon request

Main properties:
specific weight - 0,93 g/cm^3 (floating)
melting temperature - 150^0
do not absorb water, resistance to chemically active habitat

Silver twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
6	19,9	7,5	6,82
8	35,4	13,2	12
10	55,3	20,2	18,4
12	79,6	28,6	26,1
14	108	38,5	35,1
16	142	49,8	45,5
18	179	62,3	56,9
20	221	76,3	69,7
22	268	91,2	83,3
24	319	107	97,7
26	374	125	114,3
28	434	144	132
30	498	164	150
32	566	186	170
36	717	233	214
40	885	285	262

Ropes are made of hight tenacity Polyester and Polysteel.
This combination provides high tenacity and good UV-resistance, as well as, makes it resistant to abrasion and high temperatures.

Main properties:
specific weight - 1,15 g/cm^3 (sinking)
melting temperature - 260^0/150^0
absorb humidity, resistance to chemically active habitat
Applications: navigation, fishery

Polyethylene twisted ropes (Anchor lines)

∅ mm	Nominal weight, g/m	3-strand Minimal breaking load, MBL, kN	4-strand Minimal breaking load, MBL, kN
6	18	4,1	
8	32,1	7,11	
10	50,1	10,9	9,8
12	72,1	15,5	14
14	98,2	20,9	18,8
16	128	27	24,3
18	162	33,8	30,4
20	200	41,3	37,2
22	242	49,8	44,8
24	289	58,8	52,9
26	339		61,6
28	393		71,3
30	461		81,3
32	513		91,8
36	649		115
40	802		141

HDPE ropes stay flexible and do not shrink when wet.
Ropes are widely used in engeneering construction, large object strapping, outdoor reinforcement, aquaculture, net-fishing and sport.

Main properties:
specific weight - 0,94 g/cm^3 (floating)
melting temperature - 130^0
abrasion resistance
UV-resistant

Nylon / PES / Polysteel twisted & cabled yarns

PES sewing threads

Construction den / twists per 1 m	Minimal breaking load, MBL,kN	Minimal elongation at break, %
dtex 550/S460x3Z240	0,12	17
dtex 1100/S400x3Z250	0,23	16
dtex 1670/S425x3Z225	0,33	22

Nylon sewing threads

Construction den / twists per 1 m	Minimal breaking load, MBL,kN	Minimal elongation at break, %
dtex 940/S500x3Z250	0,2	22
dtex 1440/S425x3Z220	0,33	30

Polysteel yarn – from den 3 000 up to den 64 000

Nylon Fishing twines

Product code	Construction den / twists per 1 m	Minimal breaking load, MBL,kN	Minimal elongation at break, %
210/4	den 840/S500x3Z250	0,21	26
210/6	den 1260/S425x3Z220	0,32	28
210/8	den 1680/S400x3Z210	0,41	30
210/10	den 2100/S380x3Z195	0,51	33
210/12	den 2520/S360x3Z185	0,6	33
210/14	den 2940/S350x3Z180	0,69	33
210/16	den 3360/S300x3Z160	0,78	34
210/18	den 3780/S275x3Z145	0,89	34
210/20	den 4200/S250x3Z130	0,98	34
210/24	den 5040/S240x3Z125	1,22	34
210/32	den 6720/S220x3Z115	1,62	35
210/48	den 10080/S180x3Z95	2,36	36
210/60	den 12600/S170x3Z85	2,94	36
210/64	den 13440/S170x3Z85	3,04	36
210/80	den 16800/S150x3Z75	3,58	36

*other constructions upon request

Fishing twines are made of high tenacity UV-stabilized Nylon yarn and are mainly used in fishery for nets and fishing gear.

Main properties:
standard package: 1,7 kg
paper tube dimensions: 25x31x220mm
maximal package dia: 125mm
winding type: precision winding

Snoods

Polyester snoods with hooks are used for long-line fishing.
On customer's request snoods can be produced with plain ends, with loops or knotted ends.

Mounting of hooks and impregnation process performed at our factory.
Standard length of snood: 56-64 cm

Braided twines with/ without core

Materials: Nylon, Polyester, Kevlar, PP multifilament, PP split film, Polysteel, Polyethylene

Constructions: 8-strand, 16-strand, 24-strand, 32-strand, 48-strand

MagStatica

48-strand braided, with core

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
8,5	51,5	24
10	67	30,5
10,5	72,8	33
11	75	35
12	95	41
14	130	44
16	160	54

Along with other Nylon rope characteristics, static rope (Type A) has low extension and energy absorbtion.

* possible with reflex tracer

Yachting ropes

MagSuper Yacht

24 strand, braided HMPE core, HMPE cover.

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
8	39	6200
10	60	8000
12	88	11200
14	110	15500
16	145	19500
18	184	25000
20	240	31000

HMPE Double Braided rope has very low stretch charactristics, excellent cut and abrasion resistance as well as floatability.
This is a premium rope where exceptional strength is requiered. Easy to splice.
Core and cover is made of 100% HMPE

Main properties:
specific weight - 0,98 g/cm^3 (floating)
melting temperature - 147^0
UV-resistant, good resistance to chemically active habitat
Applications: navigation, mooring, winch-line

MagUltra

16/24 strand, braided HMPE core, PES/PES spun cover.

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
2	3	260
3	7	400
4	12	805
5	18	1050
6	26	1600
8	39	2905
10	70	4940
12	98	7260
14	135	9200
16	176	11620

Light weight and low stretch makes this rope ideal for cruiser yachtsmen. Abrasion resistant cover makes MagUltra suitable for stoppers. Universal rope for guys, up/down-hauls, reefing lones, vang and cunningham.
Low elongation, chemically resistant, various tracers
* this product is also available in "Strong" and "Light" options (with higher or lower MBL).

MagForceLine

24-strand pre-stretched, braided impregnated HMPE core, PES cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
6	23	1500
8	40	4200
10	58,5	6700
12	76,6	8700
14	113	10800
16	158	16500
18	200	24500
20	240	31500

Rope with a very hight breaking load and low stretch. Perfect solution for every hight performance yacht.
Ideal rope for both sheets and halyards. Easy to splice.

MagPerformance

24-strand, braided Kevlar core, PES/PES spun cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
6	27	1160
8	45	2040
10	76	3650
12	97	4690
14	134	5805
16	190	6990

This rope is perfect halyard due to its moderate stretch and good handling in the jammers.
Universal rope for guys, up/down hauls, vang, reefing lines and cunningham.

MagVectra

16/24-strand, braided Vectran core, PES/PES spun cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
4	12	740
5	19	980
6	25	1300
8	55	2200
10	72	3800
12	106	5500
14	141	7200
16	182	9000

Low stretch under high breaking loads, non-sliding cover. Right choice for racing yachts.
Good use for halyards and backstays. Suitable rope for guys, up/down hauls, vang, reefing lines and cunningham.

MagSuperX

8,16,24,32-strand, braided PES core, PES cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
6	25	850
8	44	1300
10	69	2100
12	96	3050
14	131	3800
16	186	4690

Perfect handling and flxibility charactristics.
Good durability and longevity.
Suits for genoa, main sheets and selftailing winch-system.
* possible with reflex tracer

MagWind

32-strand, braided PES core, PES cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
6	29	1050
8	49	1800
10	68	2600
12	101	3600
14	145	4800
16	190	5300

Perfect quality/price ratio makes MagWind an excellent all round rope suitable for cruising boats. The short pitch Polyester cover provides excellent abrasion resistance and greater longevity.
MagWind is highly resistant when used for stoppers and winches. Also suitable for halyards, genoa and spinnaker.

MagSofty

24-strand, braided PES core, PES spun cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
6	25	550
8	42	800
10	65	1300
12	88	2100
14	117	2600
16	175	3600

Very flexible and durable construction.
Suits for winches with a smooth drum surface.

MagNautic

8,16,24-strand, PP multi with/without core

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
3	4,3	145
4	7,1	325
5	10,5	380
6	14	685
8	27	1180
10	43	1785

Soft, very light, easy to handle, also used as light weather sheet.
Suitable for water ski rope, floats.
* possible with reflex tracer

MagFlag

8-strand, PP multi core, PES/PES spun cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
4	9	205
5	12,7	320
6	17	350
8	29	675
10	48	1054
12	70	1510

MagFlag is a multi-purpose, very soft, light and flexible rope.
Perfect rope for flag halyard. Easy to handle.

DBR MagDock Nylon

24-strand, braided Nylon core, Nylon cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
8	38	1600
10	71	2500
12	95	3300
14	116	4350
16	159	5500
18	180	7000
20	201	8500

A perfect mooring and anchoring rope for yachts and for all kinds of water transport. Very flexible sinking rope with good elongation characteristics, abrasion resistance and excellent breaking load.

DBR MagDock PES

24-strand, braided PES core, PES cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
8	43	1480
10	74	2200
12	95	3050
14	122	4100
16	173	4900
18	230	6000
20	259	7000

A perfect mooring and anchoring rope for yachts and for all kinds of water transport. Sinking rope with lifetime flexibility, balanced elongation characteristics, good abrasion resistance and hight breaking load.

DBR MagDock PP multi

24-strand, braided PP multi core, PP multi cover

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg
8	26	1100
10	43	1790
12	62	2250
14	85	3400
16	110	4200
18	123	5100
20	160	5900

A perfect mooring and anchoring rope for yachts and for all kinds of water transport. Floating rope with lifetime flexibility, balanced elongation characteristics, good abrasion resistance and hight breaking load.

DBR MagDock ropes are available ready spliced with extra leather protection

MagForce Lifting Sling

∅ mm	*loop length, m	**kN
16	0,150	34,7
18	0,155	45,4
20	0,160	53,0
22	0,165	63,3
24	0,170	72,9
28	0,185	93,1

*** minimum internal length of loop, m**
**** working load limit, kN(WLL) -** Safety factor 7

X-Line

12-strand HMPE

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg	Spliced lengths available
5	14	1670	15,2m (50 ft)*
6	23	3780	
8	38	6030	30,5m (100 ft)*
9	52	7870	
10	62	9720	
12	94	14850	
14	130	19800	
16	165	24750	

Elongation at break: ~ 2,4%
Chemical resistant
Do not absorb water
Floating
UV-resistant

X-Line is designed as a winch rope to be installed on any off-road winches. Rope is recommended as wire rope replacement .
HMPE 12-strand pre-stretched and heat-treated construction offers very low stretch.
Special coating improves abrasion resistance and protects from dirt, sand and oil.

Product description: rope with spliced metal thimble, colored hook and sliding protection sleeve at one end; a drum connection and protection tube - at other end.
*custom lengths available on request

Soft Shackle HMPE

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg	Spliced lengths available
5	14	1670	80mm, 120mm, 150mm, 200mm*
6	23	3780	
8	38	6030	
9	52	7870	
10	62	9720	
12	94	14850	
14	130	19800	
16	165	24750	

Factory spliced HMPE Soft Shackles offer outstanding strength and incredible light weight, which makes them a perfect replacement for the conventional steel shackles. Made from 100% HMPE fiber.
Soft Shackle is a multi-purpose tool with many application options. Shackles are adjustable, soft and don't damage surface around it.
It is a perfect choise for wrapping tubes of buggies, roll cages and bumpers.
HMPE Shackles are the most secure way to attach recovery rope (snatch ropes or slings) to a closed-loop anchor point on your vehicle.
*custom sizes available on request

X-Line

8-strand Nylon

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg	Spliced lengths available
22	305	9891	6m, 8m, 10m, 12m, 14m, 16m, 20m*
28	490	15296	
32	640	20394	
44	1210	36199	
48	1440	43338	
56	1970	57104	
64	2570	72400	
72	3250	91774	

Elongation at break: ~ 25%
Abrasion resistance
UV-resistant
Sinking

X-Line Nylon is designed as a recovery rope for use with trucks, tractors, excavators and other heavy equipment. 8-strand braided construction offers high degree of stretch, which makes recovery extremely effective.
This towing rope provides a recovery solution with reduced stress to vehicle components.
*custom lengths available on request

X-Line

3-strand Polysteel

∅ mm	Nominal weight, g/m	Minimal breaking load, MBL, kg	Spliced lengths available
14	89	3120	4m, 6m, 8m*
16	116	4000	
18	147	5000	
20	181	6075	

Elongation at break: ~ 9%
Chemical resistant
UV-resistant
Floating

X-Line Polysteel is used as a tow rope to rescue stuck or disabled average sized family or other passenger cars. 3-strand cosntruction offers reasonable 9% stretch, which makes recovery effective and safe. Polysteel rope does not store energy under load and makes no snap backs. This product is fitted with metal hooks with safety latch that can prevent it from falling off the car and makes it easier to take off or put on.
*custom sizes available on request

Polypropylene 3-strand Sling

Standard lifting sling:	
Length, m	5,5
Dia, mm	22
SWL, kg	1700
Safety Factor (SF)	4:1
Breaking load, kN	70
Number of loops	2
Loop length, cm	25-30

Custom lengths and diameters available on request

Traditionally used in ports for loading/unloading works and for lifting and moving timber in packages.
On customer's request slings can be made in other constructions (round slings) and produced of other materials. Diameter of sling to be chosen individually depending on the required safety factor.

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