

DYNICE

YACHTING ROPES 2019

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HAMPIÐJAN GROUP
www.hampidjan.com



HAMPIÐJAN
—a worldwide network

DYNICE YACHTING

Hampidjan's Dynice and Dynice Dux ropes have frequently been used on some of the highest profile yachts in the world.

From the Americas Cup, TP 52 MedCup and Volvo Ocean race yachts to the new breed of super yachts.

Hampidjan ropes have given outstanding performance and have become the number one choice among rigging professionals throughout the yachting industry.

In the spring of 1934, in the middle of the Great Depression, thirteen individuals gathered a small fortune to start up an industrial venture in Reykjavik, to manufacture fishing nets, ropes and fishing long lines for the local fishing fleet. The founders named their new company HAMPIDJAN.

COMPANY PROFILE

Since then Hampidjan has become the world leader in making and servicing quality fishing gear for trawlers and purse seiners. We operate several fishing gear entities around the world with a central manufacturing facility producing ropes, netting and trawls in Lithuania.

In the last two decades we have extended our market lead to the offshore and oil industry by developing new ground-breaking products and innovative solutions with multiple variations of our DYNICE high performance ropes, also in high demand for various commercial, leisure, yachting, mooring, military and rescue activities.



The Hampidjan Group headquarters are located at the waterfront of the main harbor of Reykjavik Iceland in a new 6.500 m² building.



The main production facility is Hampidjan Baltic in Lithuania. The production range is from filaments to the most advanced tailor made fishing gear available as well as high performance ropes. The production equipment is state of the art and on floor area of 21.500 m²



Hampidjan is ISO 9001 certified for quality assurance, ISO 14001 certified for environmental issues and OHSAS 18001 certified for health and safety of the employees. Certification is from DNV – Det Norske Veritas.

[photo: www.clairematches.com]

Dynlce Perma - the new DM 20 Ultra Low Creep fibre from Dyneema®



Diameter	mm	3	4	5	6	7	8	9	10	11	12	14	16	18	20	22	24	26	28	32	36	40	44	48
Weight	kg/100m	0.58	1.10	1.61	2.30	3.06	3.8	5.1	6.1	7.6	9.3	12.5	16.0	20.7	25.2	30.5	35.6	41.0	46.5	56.7	67.2	79.3	94.3	111.9
Linear strength *	ton	0.9	1.9	2.7	3.9	5.1	6.2	8.3	9.9	12.3	15.2	20.2	25.4	32.5	38.9	46.4	53.6	60.9	68.5	81.9	95.5	111.2	130.6	153.1
Spliced strength	ton	0.8	1.7	2.4	3.5	4.6	5.6	7.4	8.9	11.1	13.7	18.2	22.9	29.2	35.0	41.7	48.3	54.9	61.6	73.7	85.9	100.1	117.5	137.8

*Direct breaking strength according ISO 2307 / EN919

Larger diameters on request.

Dynlce Perma is made with the new multifilament DM 20 which is based on the revolutionary Dyneema® Max technology. This fiber withstands creep nearly completely and outperforms the creep resistant Dyneema SK78

as under 20% load at 20°C the permanent elongation in this new type is below 0,5% over period of 25 years.
It can therefore be used for static loads in stays.



Dynlce 78 Ultrabend



Diameter	mm	3	4	5	6	7	8	9	10	11	12	14	16	18	20	22	24	26	28	32	36	40	44	48
Weight	kg/100m	0.59	1.12	1.64	2.35	3.12	3.9	5.2	6.2	7.8	9.5	12.8	16.3	21.1	25.7	31.1	36.3	41.8	47.4	57.8	68.5	80.9	96.2	114.1
Linear strength *	ton	0.9	1.7	2.5	3.7	4.8	5.9	7.8	9.3	11.6	14.3	19.1	23.9	30.6	36.6	43.7	50.5	57.4	64.5	77.2	89.9	104.7	123.0	144.3
Spliced strength	ton	0.8	1.6	2.3	3.3	4.3	5.3	7.0	8.4	10.5	12.9	17.1	21.5	27.5	33.0	39.3	45.5	51.7	58.0	69.4	80.9	94.3	110.7	129.8

*Direct breaking strength according ISO 2307 / EN919

Larger diameters on request.

The Dynlce Ultrabend 78 is based on the new bending fatigue resistant fibre Dyneema® XBO with same low creep properties as SK78. The bending fatigue tolerance is up to 5 times

higher than for Dynlce 78 and therefore very suitable for running rigging which have to tolerate lot of bending under high load and high temperature.



Dynlce Dux



Diameter	mm	5	6	7	8	9	10	11	12	13	14	15	16	18	20	21	23	25	27	31	33	37	41	45
Weight	kg/100m	2.27	3.28	3.75	4.92	5.40	6.8	8.3	9.7	11.2	13.6	14.4	18.6	22.6	27.4	32.1	37.0	42.1	46.8	56.7	67.2	80.8	95.4	114.4
Linear strength *	ton	4.8	6.8	7.5	9.9	10.9	13.5	16.6	18.8	22.4	27.3	28.8	37.2	45.1	54.7	64.2	73.6	82.7	90.6	107.1	124.2	146.1	168.5	197.5
Spliced strength	ton	4.3	6.1	6.7	8.9	9.8	12.2	14.9	16.9	20.2	24.6	25.9	33.5	40.6	49.2	57.8	66.2	74.4	81.5	96.4	111.7	131.5	151.7	177.8

*Direct breaking strength according ISO 2307 / EN919

Larger diameters on request.

The 'Dux' name is derived from Latin and means the top of the class. This heat set rope outperforms other Dyneema 75, 78 and 90 ropes as its strength is far higher.

All constructional elongation has been removed in the production process and stretch is extremely low.



Dynlce Color Selection



Win Win (photo: www.clairerematches.com)



Dynlce Furling Cable



An excellent high torsion head sail cable for smaller and medium sized yachts.

Apart from the high torque the breaking strength is high as the strength member is made of heatset and stretched Dynlce based on Dyneema®SK75.

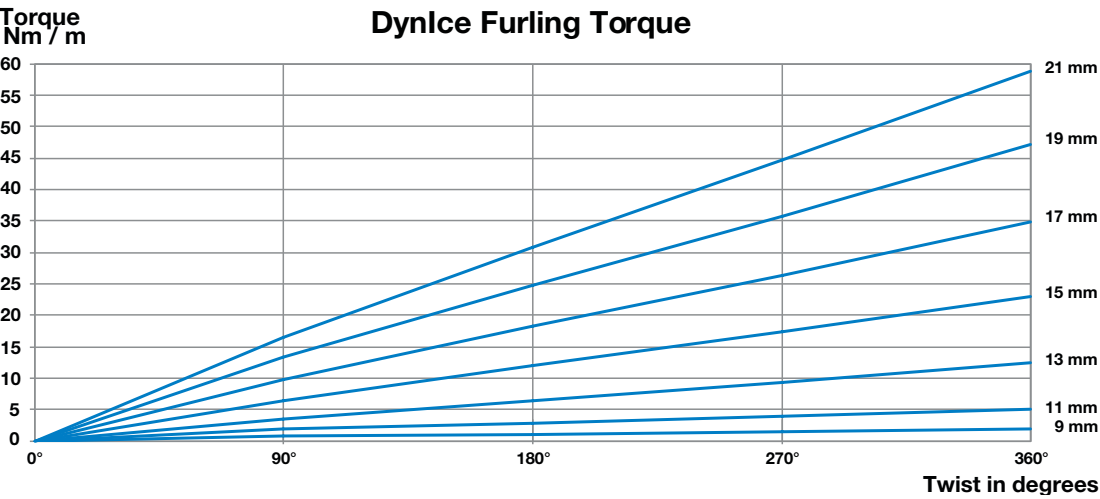
This cable has been designed to be used with cone terminals and offers excellent performance and value.

Accurate fixed lengths with the customer preferred thimbles are made on request and will ensure highest possible breaking strength.

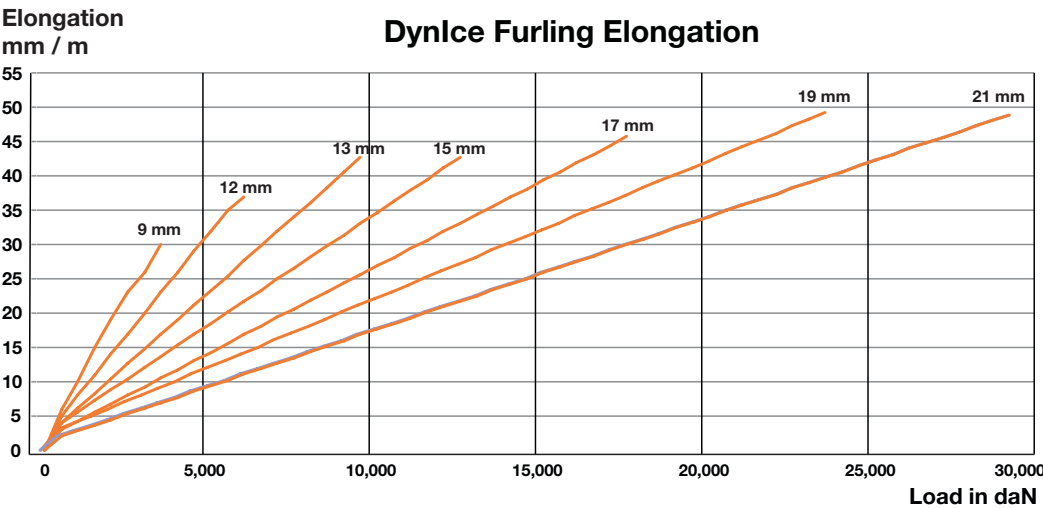
The manufacturing technique for making Dynlce Furling Cable is protected by two separate patent pending methods.



Diameter	mm	7	9	11	13	15	17	19	21
Weight	kg/100m	3.5	5.8	8.7	12.2	16.2	20.9	26.1	31.9
Linear strength *	ton	1.6	3.6	6.1	9.7	12.6	17.7	24.0	29.3
Spliced strength	ton	1.5	3.3	5.5	8.7	11.4	15.9	21.6	26.4



The torque is measured by twisting perpendicularly a length of 1000 mm and measuring the resistance in Nm. For example is the torque of 15 mm 23 Nm. As 1 N is equivalent to roundly 0,1 kg a 23 N is 2,3 kg. Imagine holding a stick which is 1 m long and on the end are the 2,3 kg hanging. That is the force needed to twist the Dynlce Furling cable one full twist and that is quite high force.



The elongation in mm for each diameter is similar as the top end of the line represents the full elongation of 1000 until it breaks. One m of 15 mm at 5000 daN (roundly 4,9 metric tons) will elongate by some 18 mm. If the length of the furling line is 7 m the total elongation is at that load only 7 x 18 = 126 mm plus some setting in end terminations.

Standing rigging



Dynlce Dux

This rope has been used for standing with very good results on over 300 boats. This is a lower cost, high strength option for standing rigging. Creep can be avoided by making sure that the working load is kept under 20% of the breaking strength.

The Dynlce Dux is heat set rope so it is very compact. The heat setting process will eliminate the danger of initial constructional elongation.

Dynlce Perma

Made from the new ultra low creep fiber DM20 from Dyneema. This fiber is designed for use in applications where the rope is under constant load for long periods.

Testing have shown that ropes made from this fiber should only see a maximum of 0,5% elongation in 25 years under constant load.

Custom made for high precision lengths

Both options can easily be spliced to length at location and used partly covered or uncovered. The Dyneema fiber has a very good tolerance to UV.

constructional elongation in DM20 and elongation from splices in DM20 and Dynlce Dux.

We also offer to have the ropes spliced and preloaded at our factory to take out any initial elongation due to

These ropes can then be cover-braided with a very tough Dynlce cover for added UV and abrasion protection.

