

3-slået P.P. tov / P.P. rope 3-strand

Art. No.	Dia. mm	Breaking load kg	WLL* kg	Weight per 220 metr./ kg
02-1011003	3	160	-	1,1
02-1011004	4	280	-	1,6
02-1011005	5	450	-	2,4
02-1011006	6	550	-	3,7
02-1011008	8	960	123	6,6
02-1011010	10	1.425	183	10,0
02-1011012	12	2.030	261	14,5
02-1011014	14	2.790	359	20,0
02-1011016	16	3.500	450	25,5
02-1011018	18	4.450	572	32,5
02-1011020	20	5.370	690	39,5
02-1011022	22	6.500	836	48,5
02-1011024	24	7.600	977	57,0
02-1011026	26	8.450	1.086	67,0
02-1011028	28	10.100	1.299	78,0
02-1011032	32	12.800	1.646	101
02-1011036	36	16.100	2.070	129
02-1011040	40	19.400	2.494	158
02-1011044	44	23.400	3.009	194
02-1011048	48	27.200	3.497	229



3-slået Polypropylene er fremstillet af splitfiber, som har en vægtfylde på 0,91 - hvilket betyder at linen flyder i vand. Linen benævnes oft som P.P. tovværk, tåler kemikalier samt UV-bestråling. Linen har en moderat styrke, og kan anvendes til de fleste formål. Kræver man større brudstyrke og slidstyrke skal man anvende nylon eller polyester tovværk. EN 1346

3-strand P.P.-Film Rope, all-purpose line, available in many different diameters. UV-resistant Polypropylene Split-fibre, floats on water. It does not rot, resistant against chemicals. If you need a rope with higher breaking load, and greater wear resistant we advise you to use nylon or polyester rope.

* Den anførte WLL er baseret på EN-normen, hvor WLL udgør 90% af brudlasten og en sikkerhedsfaktor på 7:1 * The WLL is based on EN-norm, where WLL is 90% of breaking load and a safety factor on 7:1

3-slået nylon / Nylon rope white 3-strand

Art. No.	Dia. mm	Breaking load kg	WLL* kg	Weight per 220 metr./ kg
02-2021004	4	350	-	2,5
02-2021006	6	750	-	5,2
02-2021008	8	1.350	174	9,2
02-2021010	10	2.080	267	14,3
02-2021012	12	3.000	386	20,6
02-2021014	14	4.100	527	28,0
02-2021016	16	5.300	681	36,5
02-2021018	18	6.700	861	46
02-2021020	20	8.300	1.067	57
02-2021022	22	10.000	1.286	69
02-2021024	24	12.000	1.543	82
02-2021026	26	14.000	1.800	97
02-2021028	28	15.800	2.031	112
02-2021030	30	17.800	2.289	128
02-2021032	32	20.000	2.571	146
02-2021036	36	24.800	3.189	184
02-2021040	40	30.000	3.857	228
02-2021044	44	35.800	4.603	276
02-2021048	48	42.000	5.400	330



3-slået nylon tovværk. Stor slid- og brudstyrke, blød silkefiber, let splejsbar, UV-stabiliseret. Specifikt vægt: 1,14 kg/m³ (synker i vand). Dimensioner: 4-48 mm. Fås også som flettet trosser fra 32 mm og op til 96 mm.

Classical rope for mooring, it's high elasticity and 3-strand twist make it easy to splice, extremely tensile and resistant to abrasion. 100% Polyamide according to DIN 83330/EN696, heat set, white colour 4-48 mm in stranded. Working stretch > 20% - very easy to splice - extremely tensile and abrasion resistant - heat set.

* Den anførte WLL er baseret på EN-normen, hvor WLL udgør 90% af brudlasten og en sikkerhedsfaktor på 7:1 * The WLL is based on EN-norm, where WLL is 90% of breaking load and a safety factor on 7:1

3-slået Hempex / Hempex 3-strand

Art. No.	Dia. mm	Breaking load kp	Weight per 220 metr./ kg
02-5053104	4	165	1,54
02-5053106	6	355	3,32
02-5053108	8	595	6,16
02-5053110	10	900	9,46
02-5053112	12	1.340	13,86
02-5053114	14	1.740	17,82
02-5053116	16	2.180	22,80
02-5053118	18	2.730	28,60
02-5053120	20	3.420	35,20
02-5053122	22	4.100	41,80
02-5053124	24	4.830	50,60
02-5053126	26	5.640	59,40
02-5053128	28	6.470	68,20
02-5053130	30	7.300	77,00
02-5053132	32	8.300	88,00
02-5053136	36	10.400	112,20
02-5053140	40	12.900	138,60
02-5053144	44	15.600	169,40
02-5053148	48	18.500	200,20



3-slået polyhamp - syntetisk hampetovværk som ikke rådner. Ligner ægte hampetov, men med de fordele at linen flyder i vand og ikke rådner. Brudstyrken er noget højere end normal hampetov, og forlængelsen er mindre. Tåler høje belastninger og bibeholder dimensionen og karaktererne. Textureret P.P.-fiber, UV-stabiliseret, flyder i vand og er let at splejse.

Colours depend on monitor settings. 3-strand, Poly-Hemp, hemp coloured. Appearance like hemp, however it is softer and has greater weather resistance, carries heavier loads while quality stays the same. Spun Polypropylene, UV-resistant. Floats on water

Der tages forbehold for trykfejl og udgåede varer / Specifications and products are subject to change

3-slået Manillatov / Manilla 3-strand

Art. No.	Dia. mm	Min. breaking load kg	Weight (kg) pr. 220/meters
02-5054006	6	360	5,28
02-5054008	8	540	10,56
02-5054010	10	700	14,96
02-5054012	12	1.025	23,10
02-5054014	14	1.400	30,80
02-5054016	16	2.000	41,80
02-5054018	18	2.400	48,40
02-5054020	20	3.200	60,50
02-5054022	22	3.800	77,60
02-5054024	24	4.500	88,00
02-5054026	26	5.300	103,40
02-5054028	28	6.000	117,04
02-5054032	32	7.800	154,00
02-5054036	36	8.700	195,80

Tekniske specifikationer:

Materiale: Manilla naturfibre.
 Konstruktion: 3-slået.
 Farve: Brun (natur).
 Brudforlængelse: Ca. 16%.
 Vægtfylde: Ca. 1,48 g/cm³.
 100% natur tovværk.
 Vandoptagelse: 30%


Technical specifications:

Material: Manilla natural fibre.
 Construction: 3-strand.
 Colour: Brown (natural-coloured).
 Elongation at break: Approx. 16%.
 Specific gravity: Approx. 1,48 g/cm³.
 Water absorption: 30%.

Krydsflettet nylon hvid / Cross braided nylon

Art. No.	Dia. mm	Metr. per reel	Breaking load kg
02-2022002	2	100	130
02-2022102	2	300	130
02-2022003	3	100	180
02-2022103	3	300	180
02-2022004	4	100	330
02-2022104	4	300	330
02-2022005	5	100	400
02-2022105	5	300	400
02-2022006	6	100	480
02-2022106	6	300	480
02-2022208	8	220	900
02-2022210	10	220	1.400
02-2022212	12	220	1.800



Poly kordel / Poly kordel

Art. No.	Type	Length per coil	Dia. mm	Breaking load kg
02-5052001	200	400 mtr.	ø 3,5	170
02-5052002	300	600 mtr.	ø 2,5	130
02-5052003	450	900 mtr.	ø 2,0	90
02-5052004	600	1.200 mtr.	ø 1,5	65
02-5052006	900	1.800 mtr.	ø 1,0	45



Sisal kordel / Sisal fibre

Art. No.	Type	Length per coil	Dia. mm	Breaking load kg
02-5056001	2-450	820 mtr.	ø 2,5	90
02-5056002	2-625	1.140 mtr.	ø 2,0	65
02-5056003	2-900	1.640 mtr.	ø 1,6	45
02-5056004	3-300	360 mtr.	ø 4,5	170
02-5056005	3-450	540 mtr.	ø 3,5	130



Specifications and products are subject to change / Der tages forbehold for trykfejl og udgåede varer

DYNEEMA ropes

Strength and power the ultimate Dyneema ropes

Dyneema ropes are made from Dyneema® fibres produced by DSM in Holland. Dyneema® is one of the strongest fibres in the world. The ropes have excellent properties with regard to strength, weight, UV-stability (day light), safety, abrasion, tension fatigue, bending fatigue.

Dyneema ropes are the most compact ropes in the world made from Dyneema® fibres.

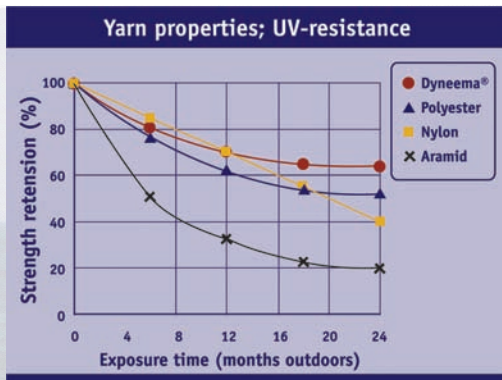
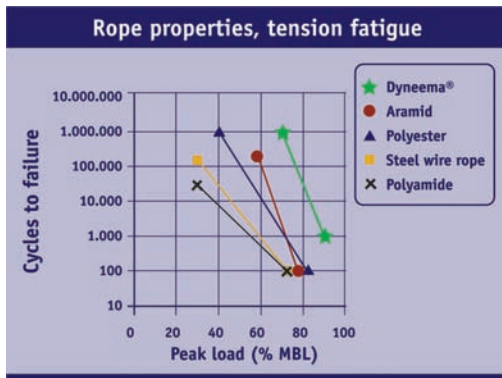
Dyneema ropes are produced in Denmark on state of the art machinery, to ensure the best obtainable quality.

Dyneema ropes are coated with a unique coating that ensures shape stability and increased abrasion resistance for longer workinglife. Dyneema ropes are heat-set under tension to ensure maximum strength, durability and uniformity.

The Dyneema® fibre. Properties

Strength

Dyneema® is more than ten times stronger than steel per unit of weight. DYNEEMA ropes are produced from Dyneema® fibres type SK75.



Tension-tension fatigue

Dyneema® can sustain a very large number of peak loads (loads close to the breaking strength). This gives a long life and a high safeworking load. While steel-wire can take 6500 loads at 50% of the maximum breaking load Dyneema ropes can take 10 million cycles at the same load level. Dyneema ropes are therefore an excellent material for dynamic applications.

Safety

Dyneema® has a very low elongation (2-3% at break). It stores little energy and therefore has little backlash – even at hundreds of tonnes of load. Using Dyneema® the amount of stored energy is much lower vis à vis nylon or steel wire ropes. This is a very important safety-feature.

UV-stability

Dyneema® has a better stability to sunlight than other relevant fibres. After two years of exposure 80% of the strength is retained.

Resistance to chemical substances

Dyneema® is resistant to chemical substances and will not be affected by oil, acids or other substances.

Abrasion

Dyneema® has an excellent abrasion resistance compared with other synthetic fibres (five times better than polyester). Special care has to be taken, however, in order to ensure that it moves over clean nonrust surfaces etc. Sharp edges etc. should be avoided.

Bending-bending fatigue

Dyneema® has good bending properties. However, it is recommended to bend over diameters of at least five times the diameter of the rope.

Art. No.	Diameter mm	Breaking load tonnes	Runnage m/kg	Max. length app. metres	Max. length app. Ft.	Weight/100m kg
02-5061006	06	4.0	50.0	2200	7217,8	2.0
02-5061008	08	8.1	28.5	2200	7217,8	4.0
02-5061010	10	10.9	20.4	2200	7217,8	5.0
02-5061012	12	17.8	11.6	2200	7217,8	9.0
02-5061014	14	21.7	8.6	2000	6561,7	12.0
02-5061016	16	26.1	6.9	1800	5905,5	14.0
02-5061018	18	35.8	5.2	1180	3937,0	19.0
02-5061020	20	40.8	4.6	1000	3608,9	22.0
02-5061022	22	50.5	3.8	900	3280,8	26.0
02-5061024	24	60.0	2.9	680	2231,0	34.0
02-5061026	26	65.0	2.8	620	2034,1	36.0
02-5061028	28	71.0	2.4	510	1706,0	40.0
02-5061030	30	77.8	2.3	500	1640,4	43.0
02-5061032	32	87.2	2.1	450	1525,6	48.0
02-5061034	34	97.2	2.0	410	1410,8	49.0
02-5061036	36	106.7	1.6	360	1148,3	60.0
02-5061038	38	132.8	1.4	300	984,3	68.0
02-5061040	40	145.0	1.3	275	935,0	73.0
02-5061042	42	155.0	1.2	249	853,0	83.0
02-5061044	44	170.0	1.0	210	656,2	100.0

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Fortøjningstrosser

CERTEX DANMARK A/S tilbyder en lang række forskellige fortøjningstrosser. Dels som standard udførelser samt fremstillet efter kundens ønsker.

Kontakt os for yderligere information.

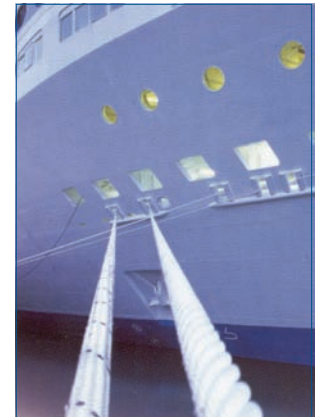


Mooring ropes

CERTEX DANMARK A/S is offering many different kind of mooring ropes. Standard variation and customer made variation.

Contact us for further information.

Different kinds of standard ropes:
8-Strand braided Polysteel rope, with high abrasion resistance.
6- strand Atlas Mooring rope – to answer the needs for stronger mooring ropes, designed for use as winch-mounted-lines – Ferries – heavier vessels.
DYNEEMA - High modulus Polyethylene (HMPE) highest strength per weight ratio.



Himan P.P. reb / Himan P.P. Rope

Lysstabiliseret.

Materiale: Modificerede polypropylen filamenter.

- Vægtfylde: 0,91
- Forlængelse: 15%
- Vandoptagelse: 0%
- Smeltepunkt: 160°C
- Farve: 3-slået: Grøn m. blå nister
8-slået: Isblå m. blå nister
- 4-44 mm: 3-slået.
- 24-96 mm: 8-slået.

UV stabilized.

Material: Modifying polypropylene filaments.

- Gravity: 0,91
- Elongation: 15%
- Water absorption: 0%
- Melting point: 329 F/160°C
- Colour: 3-strand: Green with blue traces
8-strand: Iceblue with blue traces
- 4-44 mm: 3-strand.
- 24-96 mm: 8-braided.



Art. No.	Breaking load kp	Dia. mm	Circ. in	Weight coil kg/220 m
02-2015024	9.800	24	3	57,0
02-2015026	11.400	26	3 1/4	68,0
02-2015028	12.700	28	3 1/2	78,0
02-2015032	15.900	32	4	101,0
02-2015036	19.600	36	4 1/2	129,0
02-2015040	25.700	40	5	158,0
02-2015044	31.800	44	5 1/2	194,0
02-2015048	36.600	48	6	229,0
02-2015052	42.100	52	6 1/2	268,0
02-2015056	48.700	56	7	312,0
02-2015060	54.500	60	7 1/2	359,0
02-2015064	61.500	64	8	407,0
02-2015068	69.600	68	8 1/2	461,0
02-2015072	77.200	72	9	515,0
02-2015080	95.000	80	10	638,0
02-2015088	115.000	88	11	772,0
02-2015096	135.000	96	12	917,0

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