

## DYNE<sup>TM</sup>X 60

### Weight & strength of 12-strand braided ropes

The ropes are impregnated with Duracoat to improve abrasion resistance and endurance. Lengths may be supplied to customer request. Limitations to maximum, unspliced continuous lengths are shown in table. Longer ropes can be supplied in overbraided versions.

Diameter of rope (mm)	Weight pr. 100 metres (kg)	Minimum breaking strength		Maximum unspliced length (m)
		(ton)	(kN)	
4	1.1	1,6	16,0	6,500
6	2.3	3,4	32,6	3,200
8	3.8	5,4	52,4	2,000
10	6.1	8,6	84,3	1,200
12	9.3	13,3	128,9	5,300
14	12.5	17,4	171,4	4,100
16	16.0	21,9	215,4	2,500
18	20.7	28,0	274,4	2,100
20	25.2	33,5	328,9	1,700
22	30.5	40,0	392,6	1,400
24	35.6	46,2	453,9	1,200
26	41.0	52,6	515,6	1,000
28	46.5	59,0	579,5	900
30	51.5	64,7	634,7	750
32	56.7	70,6	693,0	660
34	62.0	76,6	750,6	600
36	67.2	82,3	807,7	550
38	73.0	88,7	870,3	500
40	79.3	95,8	940,0	470
42	87.2	104,6	1026,5	430
44	94.3	112,6	1104,2	400
46	102.2	121,4	1190,4	370
48	111.9	132,0	1295,3	340
50	121.9	143,0	1402,6	310
52	132.2	154,2	1512,0	290
54	142.7	165,5	1623,5	270
56	153.6	177,0	1737,0	250
58	164.8	188,8	1852,2	230
60	176.4	200,8	1970,2	210
62	188.3	213,1	2091,0	200
64	200.7	225,8	2214,6	190
66	213.4	238,6	2340,9	180
68	226.5	251,8	2469,6	170
70	240.0	265,1	2600,9	160
72	254.0	278,7	2734,5	150
74	268.3	292,6	2870,4	140
76	283.0	306,7	3008,6	130
78	298.0	321,0	3149,0	120
80	313.5	335,5	3291,4	110
82	329.4	350,2	3435,8	105
84	345.7	365,2	3582,2	100

## DYNEX Rope Constructions

Hampidjan's DYNEX 60 ropes are made from DSM's *Dyneema*<sup>®</sup> SK60 fibres. The main focus is on the 12-strand braided ropes which have proven very popular for their roundness and smooth surface. These ropes combine good strength retention with good flexibility and dynamic properties. Termination is easy through splicing where up to 90% of linear strength is retained.



Three basic types are being offered:

- DYNEX 60 12-strand braided rope
- DYNEX 60 with braided cover
- DYNEX 60 Cable Rope

The 12-strand ropes are also available with partial braided cover when required. The ropes are produced in all diameters according to table.

For rugged environments and when stiffer or longer, unspliced ropes are required, the DYNEX rope with a braided cover is an alternative. Ropes made of several parallel braided ropes in the core are easily spliced. The ropes are produced in diameters up to 250 mm.

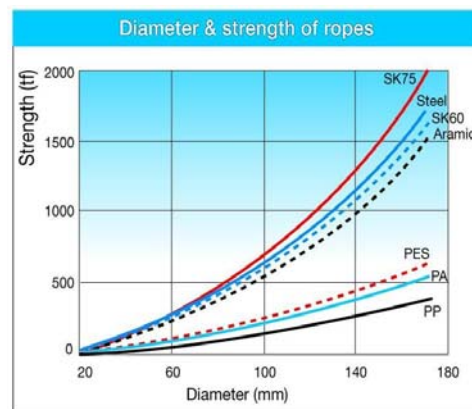
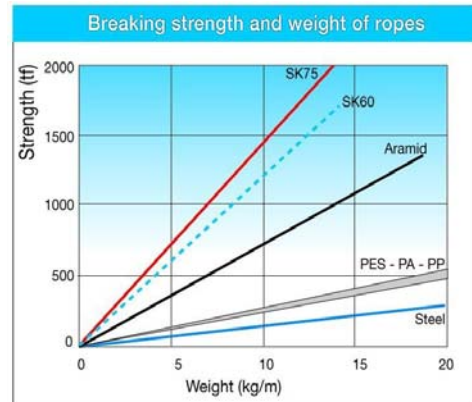
Where extra protection against abrasion is needed, the DYNEX Cable Rope is a strong candidate. The Cable Rope consists of a 12-strand rope with an extruded plastic cover.

## Dyneema SK60 Fibre Properties

<b>Density</b>	0.97 g/cm <sup>3</sup>
<b>Tenacity</b>	2.7 N/tex
<b>Modulus</b>	91 N/tex
<b>Elongation</b>	3.5%
<b>Melting point</b>	144-152°C
<b>Resistance to chemicals</b>	Excellent
<b>UV resistance</b>	Good
<b>Flexibility</b>	Good

## DYNEX Rope Properties

DYNEX ropes exceed the strength of steel wire ropes of same diameter while floating on water. They have low elongation and are extremely flexible, yielding easy handling in all respects.



Tested in accordance  
with OCIMF  
specifications

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