

## DYNEX DUX 75

### Pre-stretched braided rope with ultra high breaking strength

The Dynex Dux 75 is a new generation of ultra high performance ropes. It is far stronger than the Dynex 75 or by some 20% up to 43% in the smaller diameters. The rope is very firm and compact with smooth surface. Elongation is very low or about 3%.

The pre-stretching ensures that accurate length of rope can be measured directly without any pretension. The ropes are impregnated 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, without any visible joints, can be supplied if requested.

Diameter of rope	Weight pr. 100 metres	Minimum breaking strength		Maximum unspliced length
(mm)	(kg)	(ton)	(kN)	(m)
7	3,4	7,5	73	2.200
9	5,4	12,0	118	1.320
11	8,3	18,4	180	5.830
13	11,2	24,5	240	4.510
15	14,4	30,7	302	2.750
16	18,6	39,2	384	2.310
18	22,6	46,9	460	1.870
20	27,4	56,0	550	1.540
21	32,1	64,8	635	1.320
23	37,0	73,6	722	1.100
25	42,1	82,7	811	990
27	46,8	90,6	889	820
29	51,7	98,9	970	720
31	56,7	107,1	1.051	660
32	61,7	115,3	1.131	600
33	67,2	124,2	1.218	550
35	73,3	134,2	1.316	510
37	80,8	146,1	1.433	470
39	87,7	156,7	1.538	440
41	95,4	168,5	1.653	400
43	104,7	182,9	1.794	370
45	114,4	197,5	1.937	340
47	124,5	212,3	2.083	310
49	134,9	227,4	2.230	290
51	145,6	242,6	2.380	270

## DYNEX Rope Constructions

DYNEX 75 ropes are made from DSM's Dyneema® SK75 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 75 12-strand braided rope**
- **DYNEX DUX 75 12- strand pre-stretched rope**
- **DYNEX 75 with braided cover**
- **DYNEX 75 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.

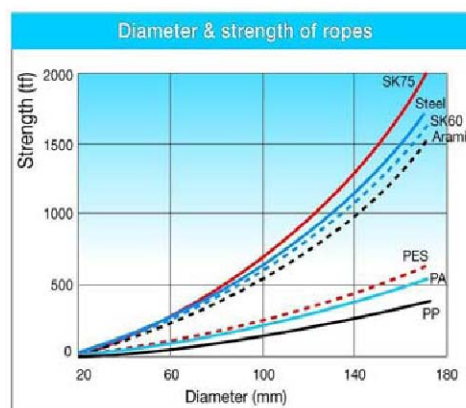
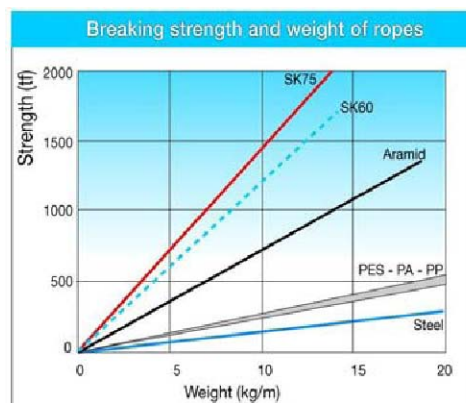
Where extra protection against abrasion is needed, the DYNEX Cable Rope is a strong candidate. The Cable Rope consists of a 12-strand rope with an extruded plastic cover.

## Dyneema SK75 Fibre Properties

Density	0.97 g/cm <sup>3</sup>
Tenacity	3.5 N/tex
Modulus	120 N/tex
Elongation	3.7%
Melting point	144-152°C
Resistance to chemicals	Excellent
UV resistance	Good
Flexibility	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

# KOHLHOFF

specialized in deck equipment

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