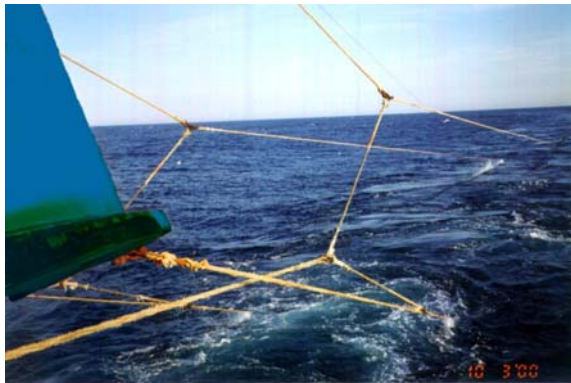


## DYNEEX 75

### .. for backstrops and sweepelines

The **DYNEEX** rope is made of Dyneema® SK75 fibre. The rope has a higher breaking strength than that of steel wire of the same thickness, but only one-sixth of the weight and is much easier to handle. The **DYNEEX** ropes are ideal to use for backstop attachments and sweepelines in pelagic fisheries. The use of **DYNEEX** started in fisheries as framelines and lacelines in big pelagic trawls and as gilsons and have in such use outperformed steel wire.

For several years pelagic trawlers have used **DYNEEX** ropes for backstrops, sweeps and bridles. The lifetime of these ropes in constant use have exceeded 2 ½ years as on board the Shetland purse seiner / pelagic trawler *mv. Altaire*.



- **Steel wires**, 3 x 31 of 26 or 28 mm dia. are often used for sweeps and bridles with a breaking load of 39 tons and 45 tons respectively.

- **DYNEEX** ropes of 26 mm dia. have the breaking load of 65,7 tons. Dynex 28 mm. has the breaking load of 73,8 tons.

- **Good fatigue life.** Both tension and bending fatigue of the **DYNEEX** ropes are excellent. This allows a safety factor comparable to wire (2-3).

Normal lifecycle is significantly longer, or 2-3 times that of other materials. Care must be taken for sharp edges, grooved fairleads and bollards. **DYNEEX** is the wire rope replacement for the future.

- **Increased safety.** Because of the low energy storage in the rope there is less risk of accidents if the rope fails. Because of light weight, the handling of the ropes make work on deck easier and reduce the handling time of fishing gear.



## DYNEX Rope Construction

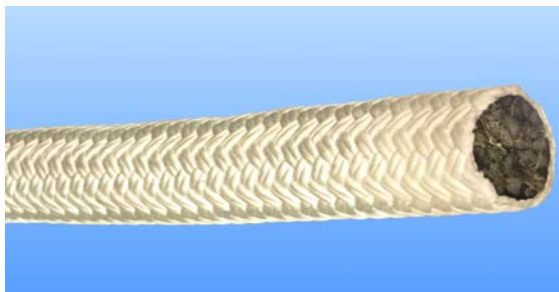
Hampidjan's DYNEX 75 ropes are made from DSM's *Dyneema*® SK75 fibres. The main focus is on the 12-strand braided ropes which have proven very popular for their roundness and smooth surface. These ropes combine good strength retention with good flexibility and dynamic properties. Termination is easy through splicing where up to 90% of linear strength is retained.



Four basic types are being offered:

- DYNEX 75
- DYNEX 75 Core Rope
- DYNEX 75 Cover Rope
- DYNEX 75 Cable Rope

For the bridles and sweeplines the coverbraided 12-strand ropes are recommended. The ropes are produced in all diameters according to table.



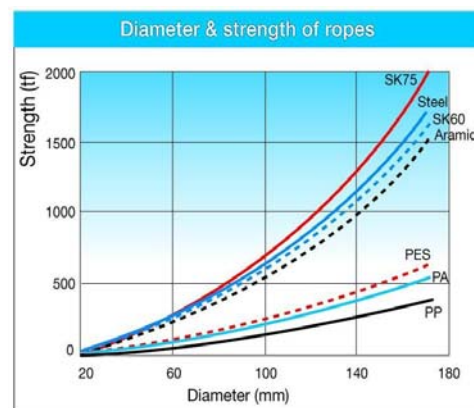
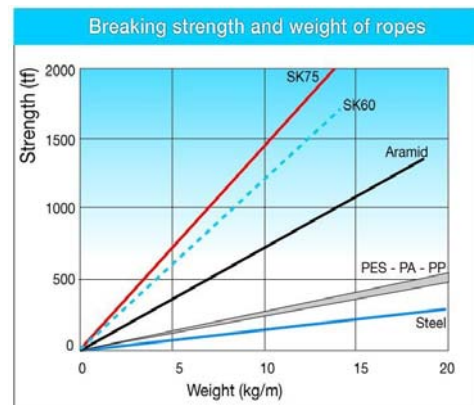
## Dyneema SK75 Fibre Properties

<b>Density</b>	0.97 g/cm <sup>3</sup>
<b>Tenacity</b>	3.5 N/tex
<b>Modulus</b>	120 N/tex
<b>Elongation</b>	3.7%
<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 75		Steel wire IWRC 3 x 31	
mm	inch	kg/100m	MBL ton	kg/100m	MBL ton
26	3.0	41	65,7	243	39
28	3.5	47	74	305	45
32	4.0	57	88	398	59
36	4.5	67	103	504	75
40	5.0	79	120	622	93
44	5.5	94	141	753	112
48	6.0	112	165	896	133
52	6.0	132	193	1051	156

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.



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