

EMERGENCY TOWING SYSTEM

Complete Emergency Towing systems for vessels 20-50.000 DWT and over 50.000 DWT.

These kits are in full compliance with resolution MSC.35(63) of the 1994 SOLAS convention and the amendments in MSC.256(84).

The system consists of light buoy attached to highly visible yellow messenger line. The messenger line is connected to the main towing line. The main towing line has large eyes in each end with thick and durable eye protection sleeve.

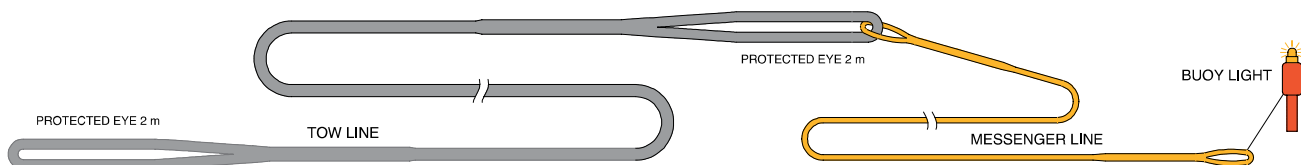
All ropes are Dynlce 75 made from Dyneema® and each part of the system is floating.

The ETS system is stored in heavy duty polyethylene container with strong top cover which is easily and securely closed with rubber straps. The container is prepared for easy bolting on deck.

The systems ropes are tested and certified by DNV and approved according to SOLAS regulations.



The system numbers 2000 and 4000 represent the MBL required breaking strength of the towline in kN according to SOLAS convention.



Nylex ropes are made from Polyamide and the ropes are impregnated with Duracoat to improve abrasion and endurance.

Dynlce SK75 ropes are made from DSM Dyneema® and the ropes are impregnated with Duracoat to improve abrasion and endurance.

Dynlce ropes are floating which makes handling and transfer between vessels easier

EMERGENCY TOWING SYSTEM

Dynlce ETS

System size		500 kN	1000 kN	2000 kN	4000 kN
Vessel size			< 20.000 DWT	20.000 - 50.000 DWT	> 50.000 DWT
Floating light	Color	Orange	Orange	Orange	Orange
	Type	Self activating	Self activating	Self activating	Self activating
Messenger line	Color	Yellow	Yellow	Yellow	Yellow
	Rope type	Dynlce 75	Dynlce 75	Dynlce 75	Dynlce 75
	Material	Dyneema®SK75	Dyneema®SK75	Dyneema®SK75	Dyneema®SK75
	Diameter	8 mm	10 mm	16 mm	16 mm
	Length	122 m	122 m	122 m	122 m
	Density	Floating 0,96 g/cm3	Floating 0,96 g/cm3	Floating 0,96 g/cm3	Floating 0,96 g/cm3
	Elongation at 75% of MBL	2.3%	2.3%	2.3%	2.3%
	Breaking strength spliced	6,0 ton	9,6 ton	24,4 ton	24,4 ton
Main towing line	Color	Gray	Gray	Gray	Gray
	Rope type	Dynlce 75	Dynlce 75	Dynlce 75	Dynlce 75
	Material	Dyneema®SK75	Dyneema®SK75	Dyneema®SK75	Dyneema®SK75
	Diameter	24 mm	40 mm	58 mm	84 mm
	Length	76 m	76 m	76 m	92 m
	Density	Floating 0,96 g/cm3	Floating 0,96 g/cm3	Floating 0,96 g/cm3	Floating 0,96 g/cm3
	Elongation at 75% of MBL	2.3%	2.3%	2.3%	2.3%
	Breaking strength spliced	52 ton	102 ton	204 ton	408 ton
Container	Color	Off-white	Blue	Blue	Off-white
	Dimensions L x W x H	91 x 71 x 68 cm	124 x 104 x 75 cm	124 x 104 x 75 cm	147 x 117 x 88 cm
	Lid	Yes	Yes	Yes	Yes
Total weight		73 kg	164 kg	255 kg	495 kg

Nylex ETS

System size		500 kN	1000 kN	2000 kN	4000 kN
Vessel size			< 20.000 DWT	20.000 - 50.000 DWT	> 50.000 DWT
Floating light	Color	Orange	Orange	Orange	Orange
	Type	Self activating	Self activating	Self activating	Self activating
Messenger line	Color	Yellow	Yellow	Yellow	Yellow
	Rope type	Kraftex	Kraftex	Kraftex	Kraftex
	Material	Polysteel	Polysteel	Polysteel	Polysteel
	Diameter	18 mm	20 mm	28 mm	28 mm
	Length	122 m	122 m	122 m	122 m
	Density	Floating 0,92 g/cm3	Floating 0,92 g/cm3	Floating 0,92 g/cm3	Floating 0,92 g/cm3
	Elongation at 75% of MBL	12%	12%	12%	12%
	Breaking strength spliced	5,5 ton	9,0 ton	15,5 ton	15,5 ton
Main towing line	Color	White	White	White	White
	Rope type	Nylex	Nylex	Nylex	Nylex
	Material	Nylon	Nylon	Nylon	Nylon
	Diameter	52 mm	74 mm	106 mm	150 mm
	Length	76 m	76 m	76 m	92 m
	Density	Sinking 1,14 g/cm3	Sinking 1,14 g/cm3	Sinking 1,14 g/cm3	Sinking 1,14 g/cm3
	Elongation at 75% of MBL	25%	25%	25%	25%
	Breaking strength spliced	51 ton	102 ton	204 ton	408 ton
Container	Color	Blue	Off-white	Off-white	Off-white
	Dimensions L x W x H	124 x 104 x 75 cm	147 x 117 x 88 cm	199 x 117 x 88 cm	240 x 117 x 120 cm
	Lid	Yes	Yes	Yes	Yes
Total weight		180 kg	510 kg	895 kg	1.468 kg