

NEPTUNE RETRACTABLE-FIN STABILISER

- Fin Unit:**
 - Minimum moving parts
 - Composite fin shaft bearing
 - Triple main seal
 - Minimum space envelope with small hull aperture
 - Load sensing hydraulics, minimising power requirement
 - Low noise hydraulic system
- Fin:**
 - One piece construction
 - Optional tip fence
 - Comparable performance to flapped fins
- Power Unit:**
 - Package unit including all components for ease of installation



KONGSBERG STABILISER

For a range of commercial and naval applications

Kongsberg Maritime produce a wide range of stabilisers. The Neptune retractable stabiliser demonstrates a unique approach, which relies on a high performance design and proven engineering to provide a high standard of reliability and maintainability.

This new evolution in design builds on the great success of the original Neptune product and offers improved overall capability with optimum performance and low cost of ownership.

Controls

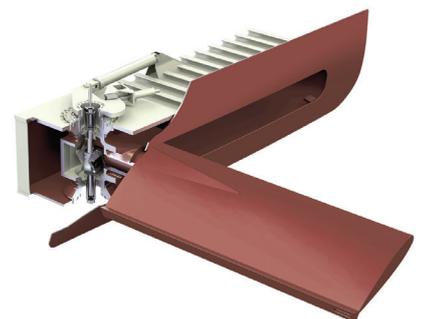
The PLC based control system offers robust and reliable state of the art technology with simple operating interfaces and extremely comprehensive maintenance and diagnostic information through touch screens. With touch screen control positions at the bridge, engine control room and local to the fins, the system offers considerable operational features and facilities for interfacing with other ship systems.

Main features of the control system are:

- PLC based.
- Improved local control and redundancy features.
- A compact and rugged design.
- EMC approved components.
- Configurable to operator's requirements.

Benefits

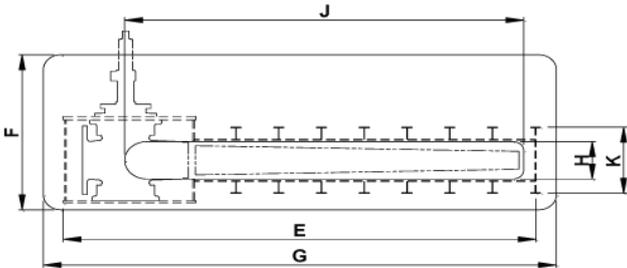
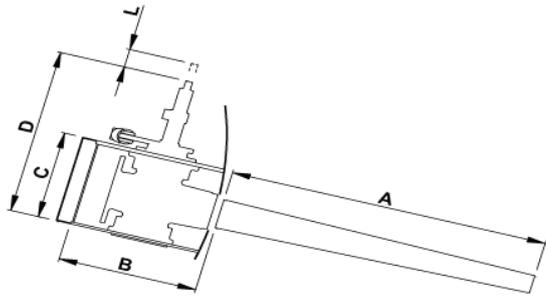
- Low cost of ownership due to one-piece fin and improved maintenance afloat.
- Greater stabiliser performance due to high lift fin design.
- Ease of integration with ship's alarm and monitoring systems.



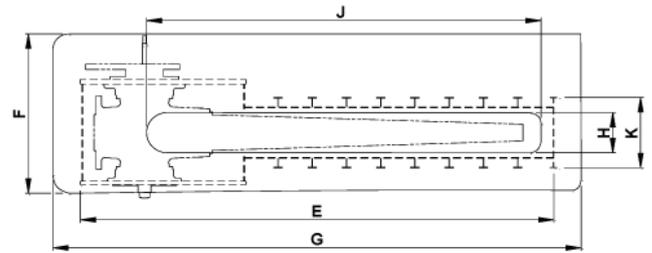
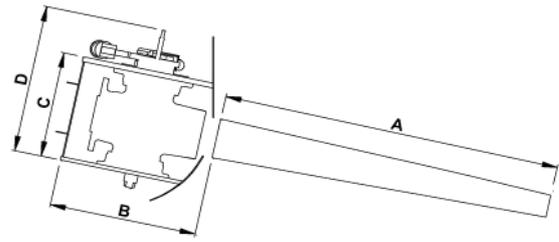
FEATURES

- Innovative tilt ram arrangements enabling cylinder and seal maintenance without dry docking.
- Optional fin locking mechanism for greater security.
- Combined hydraulic and lubrication oil system.
- Compatibility with Biodegradable oils.
- Optimised design provides low weight solutions.

Sectioned view of the Neptune 200 and 300 stabiliser

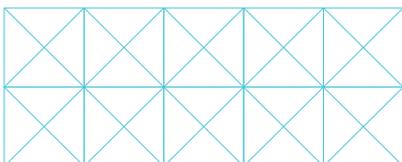


Sectioned view of the Neptune 400, 500 and 600 stabiliser



KEY SPECIFICATIONS

MODEL	FIN AREA (M2)	SIZES (METRES)										APPROX WEIGHT /SHIP SET (TONNES)	
		A	B MIN	C	D	E MIN	F	G MIN	H	J	K		L
200	5.45	3.3				5.36		5.96		4.36			44
	6.12	3.71				5.77		6.37		4.77			46.5
	6.8	4.12	2	1.435	2.605	6.18	2.4	6.78	0.62	5.18	1.02	0.39	49
	7.48	4.54				6.6		7.2		5.6			52
300	7	3.74				6.11		6.71		4.95			67.5
	7.87	4.21				6.58		7.18		5.42			70.9
	8.74	4.67	2.3	1.62	2.945	7.04	2.8	7.64	0.7	5.88	1.176	0.45	74.3
	9.62	5.15				7.5		8.1		6.35			78.1
400	9.42	4.34				7.08		7.68		5.66			90
	10.6	4.88				7.62		8.22		6.2			94
	11.77	5.42	2.495	1.87	2.86	8.16	3.1	8.76	0.8	6.74	1.37		98.5
	12.95	5.97				8.71		9.31		7.29			102.5
500	12.5	5				8.08		8.68		6.49			127
	14.06	5.62				8.7		9.3		7.11			133.5
	15.63	6.25	2.88	2.15	3.29	9.33	3.52	9.93	0.91	7.74	1.47		137.5
	17.19	6.88				9.96		10.56		8.37			142
600	16.24	5.7				9.21		9.81		7.85			190.3
	18.27	6.41				9.91		10.51		8.56			196.9
	20.3	7.12	3.175	2.42	3.68	10.61	3.95	11.21	1.03	9.27	1.62		202.4
	22.33	7.84				11.35		11.95		9.99			209.0



Kongsberg Maritime
P.O.Box 483, NO-3601
Kongsberg, Norway

Switchboard: +47 815 73 700
Global support 24/7: +47 33 03 24 07
E-mail sales: km.sales@km.kongsberg.com
E-mail support: km.support@km.kongsberg.com