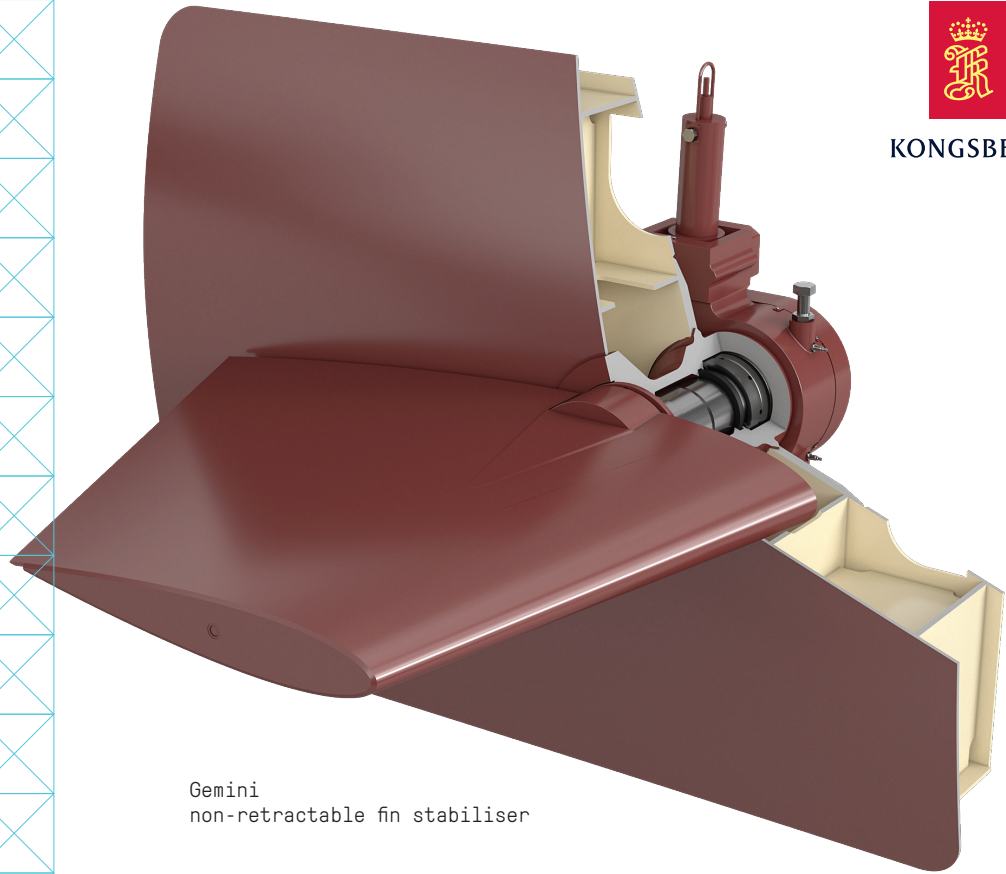


# GEMINI NON-RETRACTABLE FIN STABILISER



KONGSBERG



Gemini  
non-retractable fin stabiliser

## KONGSBERG STABILISERS

# The baseline for Military and Commercial vessel stabilisation

KONGSBERG have a long and demonstrable history of serving an extensive number of vessels with stabilisers. The Gemini system sets the optimal operational benchmark, providing the operator with a stable platform, and the ship builder with a complete modular unit for ease of installation; whilst complying with the most stringent regulatory, military and contractual requirements.

This simple system is renowned for its reliability, whilst providing the following benefits to the vessel:

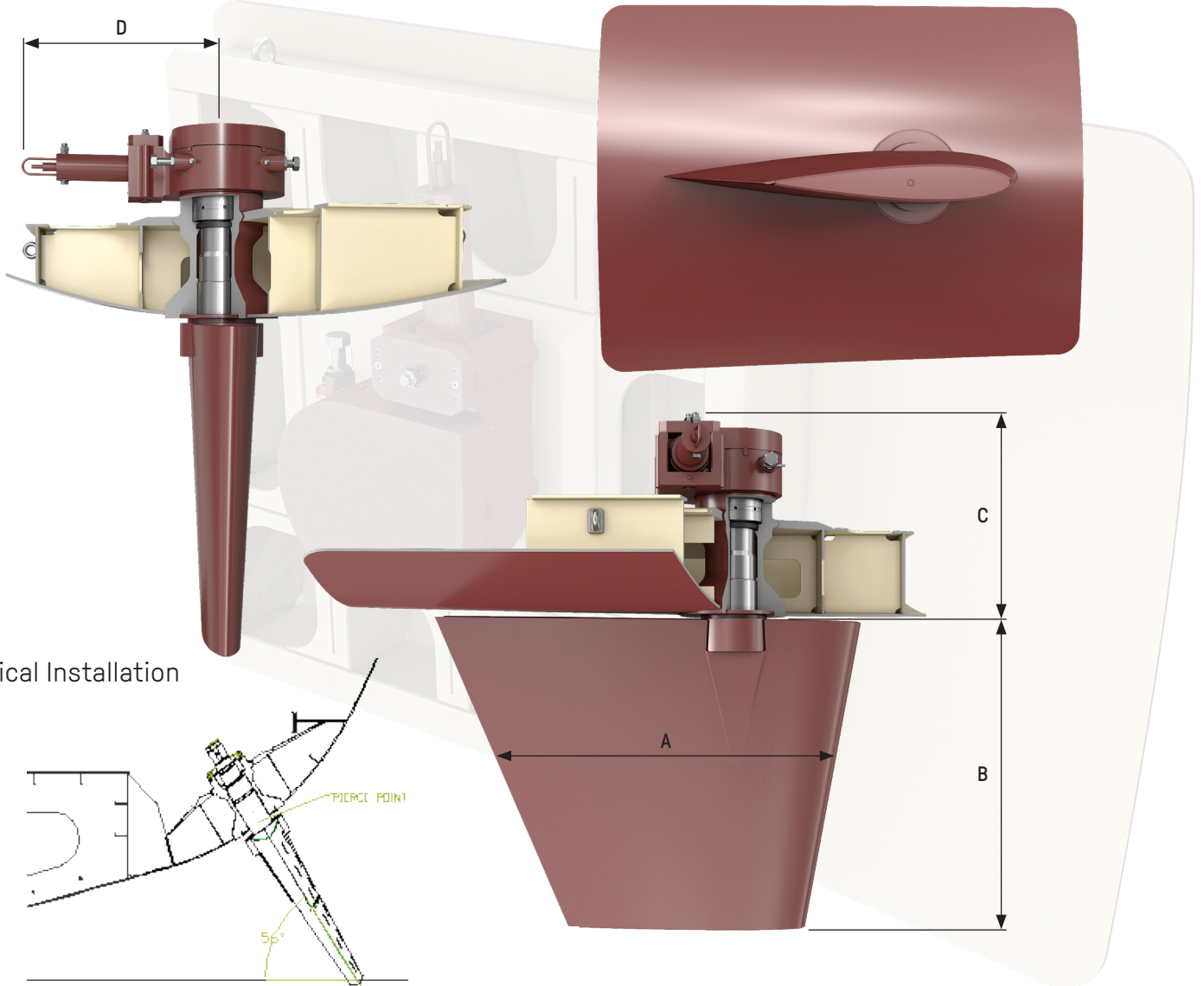
- Improved local control and redundancy features.
- A compact and rugged design.
- Configurable to operator's requirements.

The Gemini Stabiliser Base Plate is designed to integrate with the Hull Form and Overall Vessel Structure, making installation simple and fully supported by KONGSBERG from Initial Vessel Concept through to Sea Trials and beyond.

The one-piece fin and shaft design is supported in grease lubricated bearings and comes supplied as a complete system. It has a single Electro-Hydraulic Power Unit and Integrated Controls System. Emergency Locking and centring is achieved manually.

- Baseplate tailored to suit Ship Hull Form and defined design configuration
- Ease of installation
- Meets defined Military Standards for Noise, Shock and Vibration
- Proven Reliability
- Robust Bearing and Sealing Technology
- PLC based Control System
- Touch Sensitive Controls
- Ease of Controls Integration to Ship Command & Control System
- Control System tuned to defined ship parameters
- KONGSBERG Worldwide support network

## Sectioned view



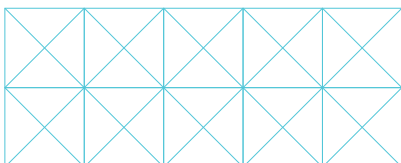
## TECHNICAL DATA

MODEL	MAX. FIN AREA (m <sup>2</sup> )	TYPICAL DIMENSIONS (mm)				WEIGHT (kg)*
		A**	B**	C	D	
20	2.0	1420	1410	900	950	6000
	2.3	1570	1450	900	950	6400
	2.6	1300	2000	900	950	6800
30	3.0	1685	1780	1050	1100	9720
	3.2	1800	1780	1050	1100	10250
	4.0	2250	1780	1050	1100	11860
	4.3	2450	1780	1050	1100	12180

### Notes

\* All estimated weights are per shipset and dependant on agreed scope of supply such as extent of baseplate and hull thickness.

\*\* Dimensions are based on typical fin aspect ratios. Other sizes can be achieved to meet the hull lines



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