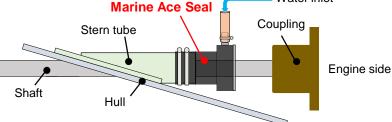
We are the leading manufacturer of stern tube shaft sealing devices worldwide with our products installed on over 30,000 ships of 100 gross tonnages or more. The Marine Ace Seal (MAS) is our newly developed waterlubricated stern seal for small vessels with direct drive systems.

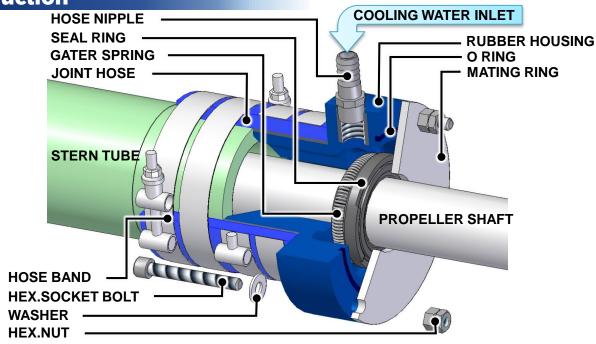


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Water inlet



## Construction



## Features and Design Outline

- Simple and robust rubber housing design
- Excellent resistance to vibration and sealing performance
- Excellent axial followability
- Excellent slurry resistance

- Propeller shaft diameter
  - : φ45~φ85(5mm incréments), 2"~3"(0.5" incréments)
- Allowable PV value: 0.3 MPa-m/sec
  - P (pressure in sealing device): Max. 0.1 MPa
  - V (shaft rotation speed)
- Cooling water temperature : 0~40 °C

## **Field Tests**

modes.

KEMEL has done MAS field tests for several small vessels with direct drive systems and had all good test results.



the data necessary to check the seal performance in multiple driving

