

STERN TUBE SEAL SYSTEM

Specialized stern tube seal system
manufacturing, supply & service



Luminar
marine

Member of  GlobalSTSS
HOLDING GROUP

Who We Are

Global STSS Holding Group brings together:



expertise



innovation



trusted
partnerships



Luminar
marine

Luminar Marine, based in Busan, South Korea, is a leading manufacturer of high-quality, classification society approved stern tube seal systems and spare parts for sizes 155–1250 mm.

- Fast ex-stock supplies of wearing parts
- Sealing rings and spare parts for all leading makers
- ABR-2 new surface modified hybrid Viton material (VGP Compliant) with very low abrasion resistance properties / Longer life expectancy
- High Nickel Chromium steel liners for all leading makes with optimum resistance to wear



Type Approvals & Certification:



ISO 9001:2015

Seal Casing

AFT seal casing

- Seal casing - Manganese Bronze
- 3 or 4 rubber seal rings are fitted between each seal casing

FWD seal casing

- Seal casing - Cast Iron
- 2 rubber seal rings are fitted

Size range

- System Type 380 ~ 900



Liner

Liner material is of high Chromium steel.

Highly resistant to wear and corrosion.

Size range

- System Type 155 ~ 1250*

Standard surface roughness

- Ra 0.1 ~ 0.3 μm^*

*Luminar marine can machine/supply liners with specially large diameter



Sealing Rings

Sealing ring material:

Surface modified hybrid Viton material.

Compatible with most EAL oils

Size range

- System Type 155 ~ 1250



ABR-2 New seal ring material

Our new seal ring material is based on an improved rubber composite. By adjusting the composition, we have created a material that is easier to process during production and offers better overall performance in use.

This new material provides:

- Higher hardness
- Better resistance to wear
- Improved flexibility (elongation)
- Lower volume expansion
- Longer lifetime in harsh operating conditions



Service Partner

OneTech Services



Delivering excellence through global service support

Exclusive Global Partnership

OneTech Services is appointed as GSTSS worldwide service station, ensuring consistent quality and unified technical standards

Comprehensive Client Support

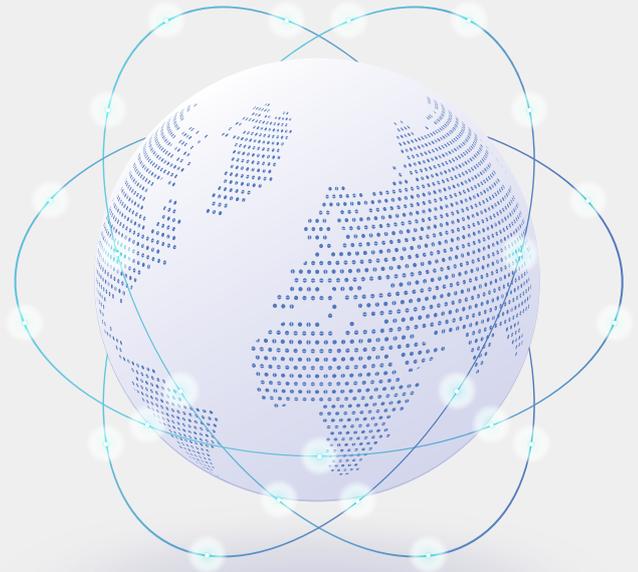
From installation to aftersales, OTS provides complete service solutions backed by proven expertise and a strong international reputation

Coordinated Global Network

Working closely with GSTSS and regional agents, OTS will manage and enhance our global service network to ensure outstanding performance



Building a global network of trusted partners



- ✔ Latest nano technology products
- ✔ Meets quality, environmental, performance and reliability standards
- ✔ Approved by the major classification societies
- ✔ Worldwide service network of company trained engineers



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