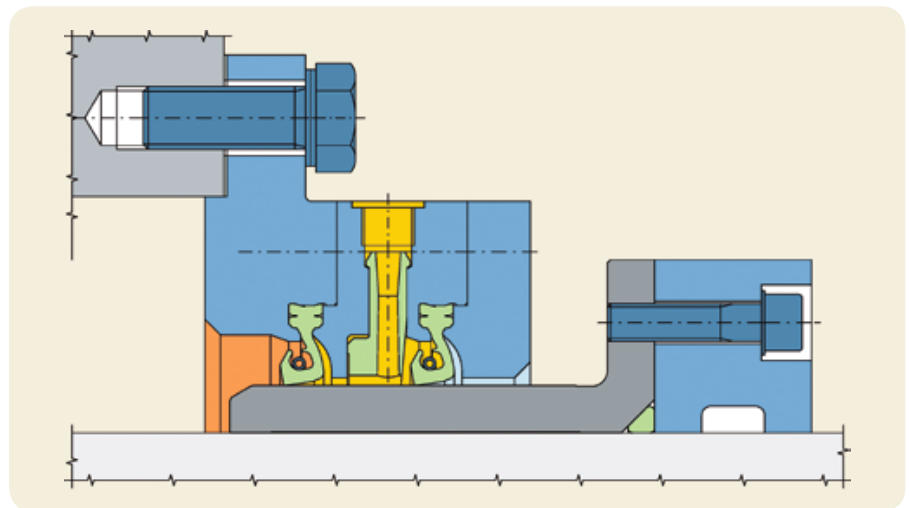


# Simplex Basic – fwd seal

## General description

- 2-ring fwd sterntube seal for standard applications
- Combinable with each aft seal
- Since 1992 thousandfold market approved
- Certified by all major classification societies



## Advantages

### Design

Market approved seals → reliable equipment covering the whole range of shaft diameters

Optimised design → no additional equipment aside from fwd oil tank

Reliable lubrication by oil circulation → increased lifetime of sealing rings and liner without external components

Customised and tailor-made → meets new building and retrofit demands

### Installation

Delivered fully assembled and tested → immediate and easy installation by the shipyard

### Operation

Easy handling → reduced risk of operating failure

Constant pressure setting by fwd seal tank → reliable operating system

### Services

Designed for in-situ overhaul as per certified and approved Simplex repair standards

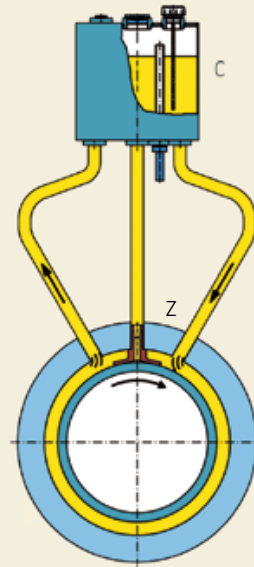
Worldwide service network and availability of spares

## Function

- A stationary housing guides the Simplex sealing rings (2 facing sterntube oil). The rotating liner is fixed to a split clamp ring.
- Sealing rings facing sterntube oil.
- Oil chamber is filled with lube oil and pressure controlled through the respective fwd seal tank (C).
- Oil circulation in the chamber is ensured by circulator (Z) and fwd seal tank (C).

### Functional principle of sterntube lubrication

C = Tank for fwd seal with level alarm  
Z = Circulation



## Configuration

Split design		Material housing		Liner coating		Bio oil durable
Liner	Housing	Cast iron	Bronze	Ceramic	Tungsten carbide	e.g. for VGP 2013
○	○	●	○	○	○	○

● Available/required   ○ Available on request

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