

PSS swivel joint shaft ø 100 mm stern tube ø 179 mm

Réf : **JTPSS100179**

The PSS Type B mechanical seal provides shaft line sealing through a contact face system between a rotating stainless steel rotor and a fixed carbon stator. Designed for propeller shafts with diameters from 100 to 150 mm , it compensates for axial movements caused by propeller thrust as well as shaft line vibrations.

Classic delivery

Public price TTC
N.C.

CARACTERISTICS

PSS SWIVEL JOINT SHAFT Ø 100 MM STERN TUBE Ø 179 MM
Réf. **JTPSS100179**

- Stern tube diameter : 179 mm

Dangerous material : non
Weight :

SPECIFICATION

The **PSS Type B mechanical seal** is an sealing solution designed for marine propulsion systems equipped with a shaft line. Its operation is based on the contact between a **Nitronic 50 stainless steel rotor**, driven by the propeller shaft, and a fixed **resin-impregnated graphite carbon stator**.

Its design maintains consistent sealing performance while absorbing axial movements, vibrations, and certain misalignments occurring during shaft line operation.

The PSS Type B is designed for propeller shafts from **100 to 150 mm in diameter**. It features a reinforced flexible bellows providing the connection to the stern tube, as well as O-rings positioned inside the rotor to prevent direct friction on the shaft.

Main features

- Mechanical seal with flat contact faces between a stainless steel rotor and carbon stator.
- Suitable for propeller shafts from 100 to 150 mm in diameter.
- Rotor manufactured from Nitronic 50 stainless steel.
- Stator made from resin-impregnated graphite carbon.
- Reinforced flexible bellows providing the connection to the stern tube.
- Compensation of axial movements in the shaft line.
- Suitable for marine propulsion applications requiring reliable sealing performance.