



EverEst™ OptiPad

The OptiPad is a very low friction bearing, made of PTFE (poly-tetrafluoroethylene) with a melted-in woven Teflon™ fabric, combining excellent properties such as a very low friction coefficient, no electro galvanic corrosion and excellent behaviour under all climate conditions, in one solid unit. This is one of the preferred bearing pads for use on all types of ship.



OptiPad – one of the most popular bearing pads

Any ship equipped with a cargo handling system such as hatch covers requires bearing pads to be installed as standard components. As a leading manufacturer of hatch covers, TTS offers the all-purpose EverEst™ OptiPad. This is one of the preferred bearing pad types and is most favoured by customers.

With its proven history of durability, the OptiPad system is tailor-made and can be installed on various types of vessel designed for carrying higher loads.

Why bearing pads?

Varying forces occur in the bearing due to sea and weather conditions as well as the cargo's load on the hatch covers. BasicPads ensure the transfer of forces from the hatch cover to the ship's hull structure. The pads must therefore allow movement between the panel and the coaming caused by the rolling and pitching of a vessel at sea.

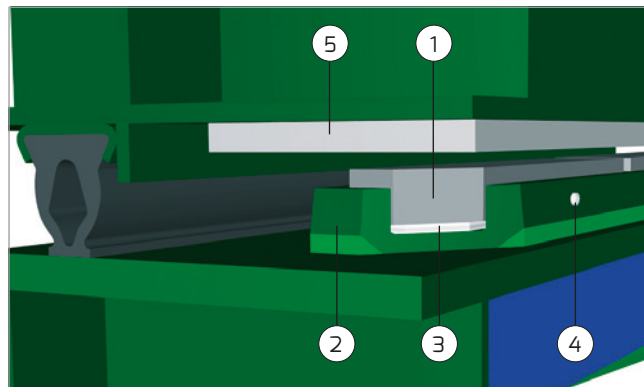
The pad moves on a stainless steel mating plate, while the hatch cover is kept in the required sealing position.

Construction

The OptiPad unit consists of the bearing pad (1), holder (2) with shims (3) in between, and mounted either:

- On the coaming with a mating plate on the hatch cover – this option is easier to install and maintain
- On the hatch cover with a mating plate on the coaming – this option renders the coaming free of obstacles.

OptiPad installed at the fore end of the hatch coaming with the transversal stopper on the left and the cleating device on the right. The tank steps in the cargo hold can be seen to the top of picture



The BasicPad unit consists of the bearing pad (1); a holder (2) with shims (3); screws (4) to secure the bearing pad in place; and a stainless steel mating plate (5).

CHARACTERISTICS

- Designed for very high loads
- Special low-friction PTFE material
- Excellent behaviour under all conditions
- Long service life
- Adjustable in height by use of shim plates
- Corrosion-neutral and self-extinguishing properties
- Available for all kinds of hatch cover and ship type
- Pad arrangements are tailor made using unified pad sizes, minimising the variety of spare parts

