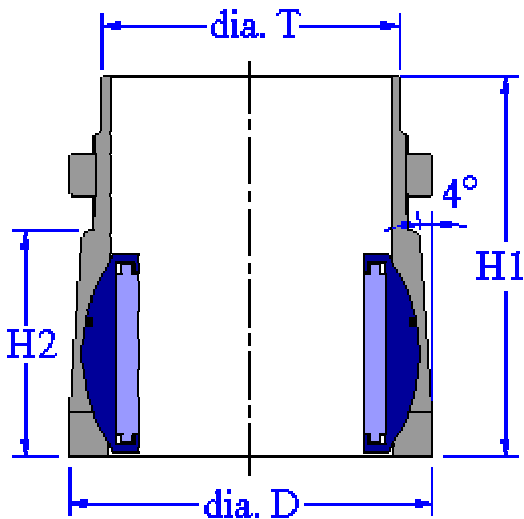


Conical self-aligning lower roller bearings type 5BT000



The table below shows all key dimensions of the 5BT000 series conical self-aligning bottom roller bearings. The measurement T is the corresponding outside diameter for the rudder tube when mounted over the outer housing.

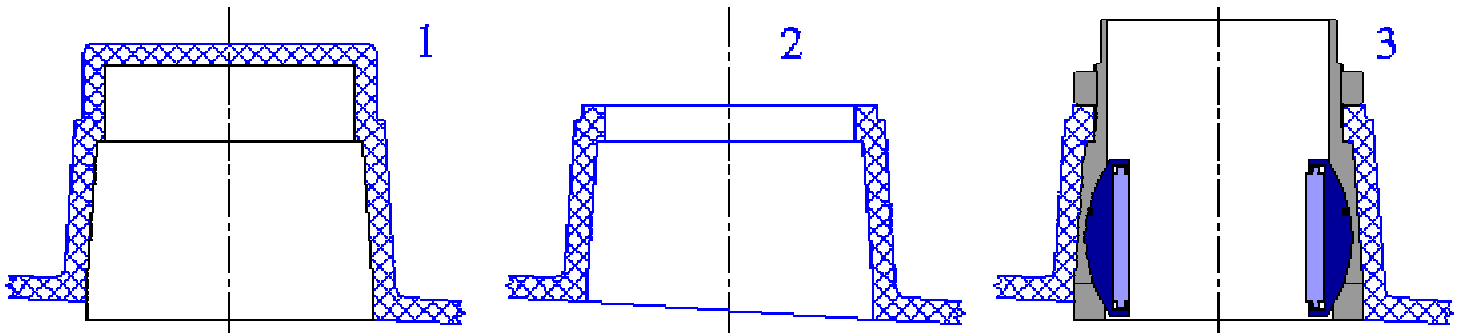
Click on the pictures for a detailed view.



PART NO.	RUDDER SHAFT dia.	BODY dia. "D"	TUBE "T"	HEIGHT "H1" / "H2"	WEIGHT	WORKING LOAD (max)
	40 mm	99 mm	80 mm	135 mm / 80 mm	1 kg	2100 kg
5BT050	50 mm	99 mm	80 mm	135 mm / 80 mm	1 kg	2450 kg
5BT060	60 mm	129 mm	110 mm	135 mm / 80 mm	1,4 kg	2800 kg
5BT070	70 mm	129 mm	110 mm	135 mm / 80 mm	1,4 kg	4300 kg
5BT080	80 mm	129 mm	110 mm	135 mm / 80 mm	1,4 kg	4700 kg
5BT090	90 mm	159 mm	140 mm	135 mm / 80 mm	2 kg	5300 kg
		159 mm	140 mm	135 mm / 80 mm	2 kg	5600 kg

The applications for the 5BT000 series bearing:

The 5BT000 series bearings are specially designed for production yachts. This bearing type combines a very simple installation with a very smooth operation under all circumstances as the bearing will always be aligned to the rudder shaft. The bearing consists of an aluminium outer housing with an inside sphere turned out. A one piece delrin ball with rollers is located in the sphere.



This bearing is not intended to be glassed into the hull. The production yard will get an aluminium part with the outer shape of the bearing, the so-called master, and put this on the mould of the hull. After the production of the hull, the conical master will be pulled out leaving a conical negative form. The top will have to be sawed off, and the bearing can be installed. This can be done in a very late stage of the production process, just before the rudder shaft has to be installed. The outside surface of the bearing and the conical hole in the hull will have to be cleaned thoroughly. The outside of the bearing will get a film of sealant and pushed into the conical hole. The nut will be mounted and tightened, so the bearing will be strongly fixed inside the hole. The rudder shaft can be mounted with the appropriate sealing system. This bearing has to be sealed with a neoprene gaiter directly on the top of the bearing, or when the CWL is less than 100 mm below the top of the bearing, an extra tube will have to be fitted. (see the picture below)

