



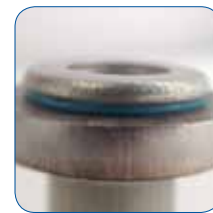
Watertight (H)DPX TUBTARA®

Round or (semi-)hexagonal shank
 Flat head with underhead seal
 Open or closed end
 Stainless steel, steel and aluminum

(H)DPX

Watertight IP 67*

New watertight solution : TUBTARA® with seal under the head



● Seal

The non-reactive peripheral seal, made of flexible organic based material, can be applied under the head of a **TUBTARA®**. It is resistant to many automotive oils, antifreeze and transmission fluids.

Most common type:

Material	Polyurethane	Reusability	yes
Colour	blue	Bead form	concave
Sealing capacity	> 150 bar	Cure method	heat cure
Temperature range	-40 +120 °C	Waterproof	IP67 *
Shore hardness	50 A range		

*only guaranteed under Dejong test conditions – certificates available

● TUBTARA® design

The underhead seal reassures an IP 67 waterproof Tubtara-sheet assembly (if correctly installed). During installation of the **TUBTARA®**, the material is gap filling, forming a robust seal between mating surfaces.

The seal thickness varies. Compared to the same part without seal, this implies a reduced grip range and increased head height. Factors like seal thickness, hole size and setting force influence head height after installation (K2). See catalogue pages for K2 reference values.

The seal can be applied

- on Tubtara’s in stainless steel, aluminium and coated steel,
- to the underhead bearing surface of a flat head **TUBTARA®** (not recommended underneath countersunk or low profile heads),
- on Tubtara’s with round or (semi-)hexagonal shank, open or closed end, from M4 till M12.

● Samples

For detailed product offer: see [pg 13](#), [pg 21](#), [pg 29](#) and [pg 35](#)
 Samples, pricing, lead times and alternative seal options available on request.

