



Technical Features

XX Interface, VBX® O-Ring, Air Assist

Applications

Machine Tool Spindles

Industries

All

VBXX-MTAA TECHNICAL DATA

A two part compound labyrinth seal consisting of a rotor, stator and air assist purge to protect against heavy coolant flows, high pressures and humidity ingress on machine tool spindles in extreme environments.

Standard Material: Bearing Bronze

Movement: Axial- 0.13 mm [0.005 in.] | Radial- 0.20 mm [0.008 in.]

Temperature (Elastomers): Stator Gasket: Nitrile- -37°C [-35°F] – 121°C [250°F] VBX O-Ring: FKM- -26°C [-15°F] – 204°C [400°F] Rotor Drive Rings: FKM- -26°C [-15°F] – 204°C [400°F]

Pressure: 0.34 bar [5 psi]

Shaft Size: 15.88 mm [0.625 in.] – 152.40 mm [6 in.] Consult engineering for shaft sizes above 152.40 mm [6 in.]

Standard Press Fit: 0.03 mm [0.001 in.] diametric

Standard Overall Length: 20.96 mm [0.825 in.]

* Consult Inpro/Seal engineering for operating conditions outside limits shown above