

Micro-Tolerance Bushing

Thin-wall precision bushing for tight-clearance rotating assemblies.

Overview

A thin-wall precision bushing machined and honed to a tight internal-diameter tolerance, used in assemblies where clearance directly affects vibration and noise.

Bronze and steel variants are both run in-house depending on load and wear requirements.

Technical Specifications

Material	Phosphor Bronze or Alloy Steel
Bore Tolerance	±0.008mm
Wall Thickness	From 0.8mm
Surface Finish	Ra ≤0.4µm, honed bore

Typical Applications

- Precision gearboxes
- Rotating shaft support
- Instrument mechanisms