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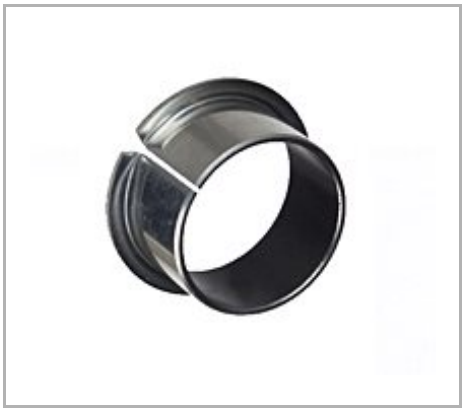
Item # 702022, TU® Steel-Backed PTFE Lined Flange Bearings - METRIC

Isostatic TU® Flange Bearings

- Standard stock products
- Self-lubricating dry sliding bearing
- A steel-backed composite material comprised of:
  - Low carbon steel backing for extremely high load capacity-.50 – 2.7mm thick
  - Sintered bronze offers optimal heat dispersion –.20 - .35 mm thickness and
  - PTFE – lead sliding surface creates a low friction coefficient and allows for a wide temperature range – thickness .2 mm
- Can be used where many liquid lubricants fail; also performs well with

+ more



Description | Specifications | Dimensions | Tolerances | Performance Data

Description

Detailed Description	18 MM I.D. x 20 MM O.D. x 12 MM Length, TU, Steel Back, PTFE & Pb Lined Composite, Flange Bearing, Metric

Specifications

Catalog Number	FM1812TU
Interchange #	BB1812DU FMB1812DU PAF 18120 P10
Unit of Measure	Each
Material	Steel-Backed PTFE Lined

Material Standard	Steel-Backed PTFE Lined
Avg Unit Weight	0.0145 lb
UPC Code	00846802071219

Dimensions

Nominal Inner Diameter	18 mm
Nominal Outer Diameter	20 mm
Nominal Length	12 mm
Flange Nominal Outer Diameter	26 mm
Flange Nominal Thickness	1 mm
Recommended Housing Bore	20.000 to 20.021 mm
Recommended Shaft Size	17.966 to 17.984 mm

Tolerances

Overall Length Tolerance	±.25 mm
Flange Diameter Tolerance	±.50 mm
Flange Thickness Tolerance	.80 to 1.00 mm

Performance Data

Load - P Max Value	36,250 lb/in²
Speed - V Max Value	1,900 ft²/min
Load at Speed - PV Max Value (P.S.I. / S.F.M.)	102,000