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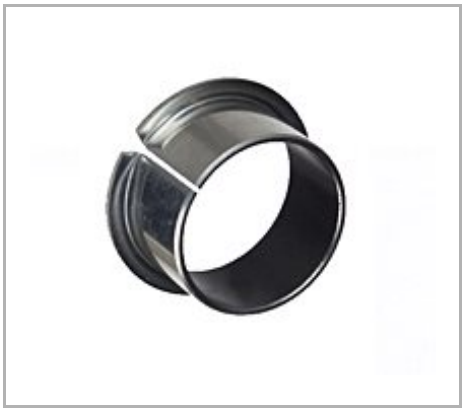
## Item # 702009, TU® Steel-Backed PTFE Lined Flange Bearings - METRIC

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** | 10 MM I.D. x 12 MM O.D. x 12 MM Length, TU, Steel Back, PTFE & Pb Lined Composite, Flange Bearing, Metric |

### Specifications

| | |
|---|---|
| **Catalog Number** | FM1012TU |
| **Interchange #** | BB1012DU<br>FMB1012DU<br>PAF 10120 P10 |
| **Unit of Measure** | Each |
| **Material** | Steel-Backed PTFE Lined |

| | |
|---|---|
| **Material Standard** | Steel-Backed PTFE Lined |
| **Avg Unit Weight** | 0.0082 lb |
| **UPC Code** | 00846802071080 |

## Dimensions

| | |
|---|---|
| **Nominal Inner Diameter** | 10 mm |
| **Nominal Outer Diameter** | 12 mm |
| **Nominal Length** | 12 mm |
| **Flange Nominal Outer Diameter** | 18 mm |
| **Flange Nominal Thickness** | 1 mm |
| **Recommended Housing Bore** | 12.000 to 12.018 mm |
| **Recommended Shaft Size** | 9.972 to 9.987 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 |