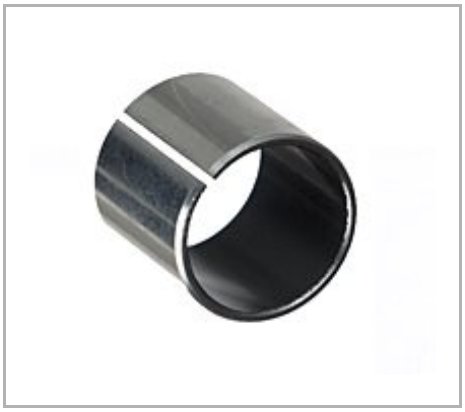
**Isostatic Industries, Inc.**
4153 North Kostner Avenue
Chicago, IL 60641
**Toll Free:** 800.621.5500
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## Item # 705223, TP® Lead Free Steel-Backed PTFE Lined Sleeve Bearings - METRIC

Isostatic TP® Sleeve 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 – 2.7 mm thick
  - Sintered bronze offers optimal heat dispersion – .20 - .35 mm thickness and
  - PTFE – lead free 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** | 300 MM I.D. x 305 MM O.D. x 100 MM Length, TP, Lead Free Steel Back, PTFE Lined Composite, Sleeve Bearing, Metric |

### Specifications

| | |
|---|---|
| **Catalog Number** | M300100TP |
| **Interchange #** | 300100DP4<br>EGB300100-E40 |
| **Unit of Measure** | Each |
| **Material** | Lead Free Steel-Backed PTFE |
| **Material Standard** | Lead Free Steel-Backed PTFE |

| | |
|---|---|
| **Avg Unit Weight** | 3.8920 lb |
| **UPC Code** | 00846802081324 |

## Dimensions

| | |
|---|---|
| **Nominal Inner Diameter** | 300 mm |
| **Nominal Outer Diameter** | 305 mm |
| **Nominal Length** | 100 mm |
| **Recommended Shaft Size** | 299.919 to 300.000 mm |
| **Recommended Housing Bore** | 305.000 to 305.052 mm |

## Tolerances

| | |
|---|---|
| **Overall Length Tolerance** | ±.25 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 |