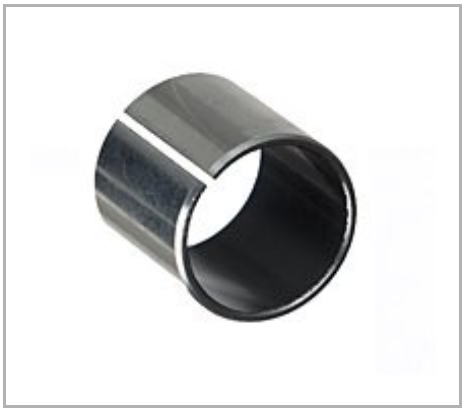
**Isostatic Industries, Inc.**
4153 North Kostner Avenue
Chicago, IL 60641
**Toll Free:** 800.621.5500
**Phone:** 773.286.3444
**Fax:** 773.282.3323
**Email:** info@isostatic.com

## Item # 705157, 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** | 100 MM I.D. x 105 MM O.D. x 70 MM Length, TP, Lead Free Steel Back, PTFE Lined Composite, Sleeve Bearing, Metric |

### Specifications

| | |
|---|---|
| **Catalog Number** | M10070TP |
| **Unit of Measure** | Each |
| **Material** | Lead Free Steel-Backed PTFE |
| **Material Standard** | Lead Free Steel-Backed PTFE |
| **Avg Unit Weight** | 0.9350 lb |

| | |
|---|---|
| **UPC Code** | 00846802080938 |

## Dimensions

| | |
|---|---|
| **Nominal Inner Diameter** | 100 mm |
| **Nominal Outer Diameter** | 105 mm |
| **Nominal Length** | 70 mm |
| **Recommended Shaft Size** | 99.946 to 100.000 mm |
| **Recommended Housing Bore** | 105.000 to 105.035 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 |