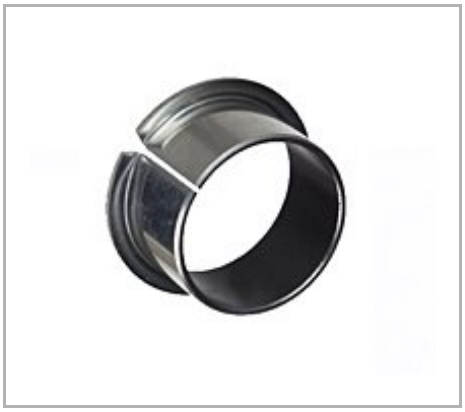
**Isostatic Industries, Inc.**
4153 North Kostner Avenue
Chicago, IL 60641
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## Item # 502001, TU® Steel-Backed PTFE Lined Flange Bearings - INCH

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** | .375 IN I.D. x .4688 IN O.D. x 0.2500 IN Length, TU, Steel Back, PTFE & Pb Lined Composite, Flange Bearing |

### Specifications

| | |
|---|---|
| **Catalog Number** | 06FTU04 |
| **Interchange #** | 06FDU04 |
| **Unit of Measure** | Each |
| **Material** | Steel-Backed PTFE Lined |
| **Material Standard** | Steel-Backed PTFE Lined |

| | |
|---|---|
| **Avg Unit Weight** | 0.0057 lb |
| **UPC Code** | 00846802057893 |

## Dimensions

| | |
|---|---|
| **Nominal Inner Diameter** | 3/8 in |
| **Nominal Outer Diameter** | 15/32 in |
| **Nominal Length** | 1/4 in |
| **Flange Nominal Outer Diameter** | 11/16 in |
| **Flange Nominal Thickness** | 3/64 in |
| **Recommended Housing Bore** | .4684 to .4694 in |
| **Recommended Shaft Size** | .3731 to .3740 in |

## Tolerances

| | |
|---|---|
| **Overall Length Tolerance** | ±.01 in |
| **Flange Diameter Tolerance** | ±.02 in |
| **Flange Thickness Tolerance** | .044 to .052 in |

## 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 |