



**ISOSTATIC**  
LEADERS IN BRONZE BEARINGS...and MORE

**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](mailto:info@isostatic.com)

## Item # 501008, TU® Steel-Backed PTFE Lined Sleeve Bearings - INCH

### Isostatic TU® 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 – 2.7mm 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 lubrication

[+ more](#)



[Description](#) | [Specifications](#) | [Dimensions](#) | [Tolerances](#) | [Performance Data](#)

### Description

#### Detailed Description

.25 IN I.D. x .3125 IN O.D. x 0.2500 IN Length, TU, Steel Back, PTFE & Pb Lined Composite, Sleeve Bearing

### Specifications

|                          |                         |
|--------------------------|-------------------------|
| <b>Catalog Number</b>    | 04TU04                  |
| <b>Interchange #</b>     | 04DU04<br>PAPZ 0404 P10 |
| <b>Unit of Measure</b>   | Each                    |
| <b>Material</b>          | Steel-Backed PTFE Lined |
| <b>Material Standard</b> | Steel-Backed PTFE Lined |

|                        |                |
|------------------------|----------------|
| <b>Avg Unit Weight</b> | 0.0018 lb      |
| <b>UPC Code</b>        | 00846802052720 |

## Dimensions

|                                 |                   |
|---------------------------------|-------------------|
| <b>Nominal Inner Diameter</b>   | 1/4 in            |
| <b>Nominal Outer Diameter</b>   | 5/16 in           |
| <b>Nominal Length</b>           | 1/4 in            |
| <b>Recommended Shaft Size</b>   | .2481 to .2490 in |
| <b>Recommended Housing Bore</b> | .3122 to .3128 in |

## Tolerances

|                                 |         |
|---------------------------------|---------|
| <b>Overall Length Tolerance</b> | ±.01 in |
|---------------------------------|---------|

## Performance Data

|                                                       |                            |
|-------------------------------------------------------|----------------------------|
| <b>Load - P Max Value</b>                             | 36,250 lb/in <sup>2</sup>  |
| <b>Speed - V Max Value</b>                            | 1,900 ft <sup>2</sup> /min |
| <b>Load at Speed - PV Max Value (P.S.I. / S.F.M.)</b> | 102,000                    |