



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

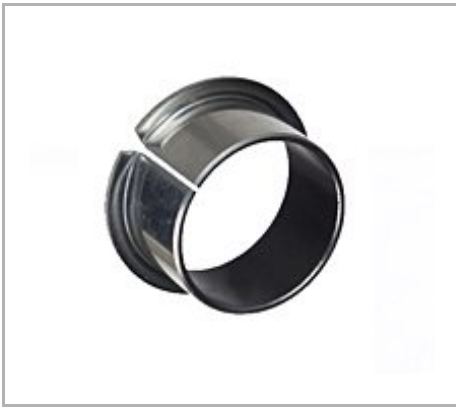
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## Item # 502022, TU® Steel-Backed PTFE Lined Flange Bearings - INCH

### 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](#)



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### Description

#### Detailed Description

1 IN I.D. x 1.125 IN O.D. x 0.7500 IN Length, TU, Steel Back, PTFE & Pb Lined Composite, Flange Bearing

### Specifications

<b>Catalog Number</b>	16FTU12
<b>Interchange #</b>	16FDU12
<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>	0.0468 lb
<b>UPC Code</b>	00846802058104

## Dimensions

<b>Nominal Inner Diameter</b>	1 in
<b>Nominal Outer Diameter</b>	1 1/8 in
<b>Nominal Length</b>	3/4 in
<b>Flange Nominal Outer Diameter</b>	1 3/8 in
<b>Flange Nominal Thickness</b>	1/16 in
<b>Recommended Housing Bore</b>	1.1246 to 1.256 in
<b>Recommended Shaft Size</b>	.9979 to .9991 in

## Tolerances

<b>Overall Length Tolerance</b>	±.01 in
<b>Flange Diameter Tolerance</b>	±.02 in
<b>Flange Thickness Tolerance</b>	.060 to .068 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