



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

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## Item # 505005, TP® Lead Free Steel-Backed PTFE Lined Sleeve Bearings - INCH

### 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](#)



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### Description

#### Detailed Description

.1875 IN I.D. x .25 IN O.D. x 0.1875 IN Length, TP, Lead Free Steel Back, PTFE Lined Composite, Sleeve Bearing

### Specifications

<b>Catalog Number</b>	03TP03
<b>Interchange #</b>	03DP403 EGBZ0303-E40
<b>Unit of Measure</b>	Each
<b>Material</b>	Lead Free Steel-Backed PTFE
<b>Material Standard</b>	Lead Free Steel-Backed PTFE

<b>Avg Unit Weight</b>	0.0011 lb
<b>UPC Code</b>	00846802077075

## Dimensions

<b>Nominal Inner Diameter</b>	3/16 in
<b>Nominal Outer Diameter</b>	1/4 in
<b>Nominal Length</b>	3/16 in
<b>Recommended Shaft Size</b>	.1858 to .1865 in
<b>Recommended Housing Bore</b>	.2497 to .2503 in

## Tolerances

<b>Overall Length Tolerance</b>	±.01 in
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## 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