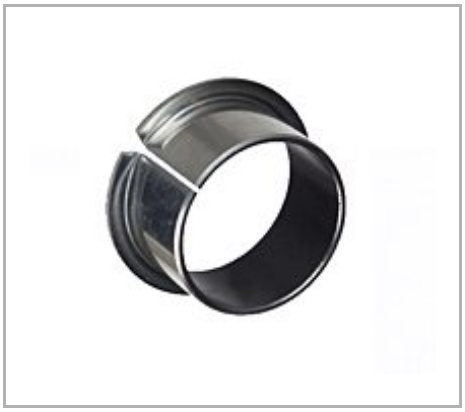
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Item # 502005, TU® Steel-Backed PTFE Lined Flange Bearings - INCH

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	.5 IN I.D. x .5938 IN O.D. x 0.2500 IN Length, TU, Steel Back, PTFE & Pb Lined Composite, Flange Bearing

Specifications

Catalog Number	08FTU04
Interchange #	08FDU04
Unit of Measure	Each
Material	Steel-Backed PTFE Lined
Material Standard	Steel-Backed PTFE Lined

Avg Unit Weight	0.0081 lb
UPC Code	00846802057930

Dimensions

Nominal Inner Diameter	1/2 in
Nominal Outer Diameter	19/32 in
Nominal Length	1/4 in
Flange Nominal Outer Diameter	13/16 in
Flange Nominal Thickness	3/64 in
Recommended Housing Bore	.5934 to .5941 in
Recommended Shaft Size	.4980 to .4990 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