



# BEARING PRECISION AXLE CORP.



E-4BF-TRB-2 1/2 Bearing 2D drawings and 3D CAD models

## TIMKEN E-4BF-TRB-2 1/2 Flange Block Bearings

Bearing No. E-4BF-TRB-2 1/2

Category	Flange Block Bearings
Inventory	12.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	9.748
EAN	0053893549682
Product Group	M06288
Number of Mounting Holes	4
Mounting Method	Concentric Collar
Housing Style	4 Bolt Square Flange Block
Rolling Element	Tapered Roller Bearing
Housing Material	Cast Iron
Expansion / Non-expansion	Non-expansion
Mounting Bolts	5/8 Inch
Relubricatable	Yes
Seals	Double Lip Radial
Housing Configuration	1 Piece Solid
Pilot Configuration	No Pilot
Inch - Metric	Inch
Long Description	4 Bolt Square Flange Block; 2-1/2" Bore; 7.6" Bolt Circle; 5-3/8" Bolt Spacing; 1 Piece Solid; Concentric Collar Mount; Cast Iron; Tapered Roller Bearing; 4" Length Thru Bore; Relu
Other Features	Double Row   Wide Inner Race   With Set Screw



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Category	Flange Block
UNSPSC	31171501
Harmonized Tariff Code	8483.20.40.80
Noun	Bearing
Keyword String	Flanged
Manufacturer URL	<a href="http://www.timken.com">http://www.timken.com</a>
Manufacturer Item Number	E-4BF-TRB-2 1/2
Weight / LBS	19
Nominal Bolt Circle Diameter Round	7.6 Inch   193 Millimeter
Bolt Spacing	5.375 Inch   136.525 Millimeter
D	4 Inch   101.6 Millimeter
d	2.5 Inch   63.5 Millimeter
Cartridge Pilot Diameter	0 Inch   0 Millimeter
Cartridge Pilot Depth	0 Inch   0 Millimeter
Shaft Size	2.5 in
Shaft Size Type	Imperial
Weight	19 lb
UPC Code	053893549682
Dimension B	4 in
Dimension L	6-7/8 in
Dimension A	3-9/16 in
Dimension J	5-3/8 in
Dimension A <sub>2</sub>	3/16 in
Bolt Diameter	5/8 in
Dimension A <sub>1</sub>	1-1/2 in
Dimension D <sup>1</sup>	5-5/16 in
Dimension d <sub>1</sub>	4-1/16 in
e	0.40
X (if F <sub>a</sub> /F <sub>r</sub> ≤ e)	0.87
Y (if F <sub>a</sub> /F <sub>r</sub> ≤ e)	2.17
X (if F <sub>a</sub> /F <sub>r</sub> > e)	0.7



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Y (if $F_a/F_r > e$ )	2.63
K Factor	1.51
$C_{90}$ Dynamic Load Rating <sup>2</sup>	11600 lb
$C_0$ Static Load Rating	54000 lb
$F_{a-max}$ Maximum Permissible Thrust Load <sup>3</sup>	3454 lb
$F_{r-max}$ Maximum Allowable Slip Fit Radial Load <sup>4</sup>	9500 lb
Max. Speed <sup>5</sup>	2420 rpm
Note	Note: All units have a 1/8 pipe thread grease fitting The Maximum Permissible Thrust Load applies to conditions of slip fit with set screw mounting or in applications where a large moment loading occur