



# ABEC BEARING SERIES LTD



## TIMKEN E-4BF-TRB-4 7/16 Flange Block Bearings

Bearing No. E-4BF-TRB-4 7/16

E-4BF-TRB-4 7/16 Bearing 2D drawings and 3D CAD models

Category	Flange Block Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	40.86
EAN	0053893549798
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	7/8 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; 4-7/16" Bore; 12.4" Bolt Circle; 8-3/4" Bolt Spacing; 1 Piece Solid; Concentric Collar Mount; Cast Iron; Tapered Roller Bearing; 6-3/4" Length Thru Bore
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-4 7/16
Weight / LBS	90
Nominal Bolt Circle Diameter Round	12.4 Inch   315 Millimeter
D	6.75 Inch   171.45 Millimeter
d	4.438 Inch   112.725 Millimeter
Cartridge Pilot Depth	0 Inch   0 Millimeter
Cartridge Pilot Diameter	0 Inch   0 Millimeter
Bolt Spacing	8.75 Inch   222.25 Millimeter
Shaft Size	4.4375 in
Shaft Size Type	Imperial
Weight	90.000 lb
UPC Code	053893549798
Dimension B	6-3/4 in
Dimension L	10-7/8 in
Dimension A	5-15/16 in
Dimension J	8-3/4 in
Dimension A <sub>2</sub>	3/8 in
Bolt Diameter	7/8 in
Dimension A <sub>1</sub>	2-7/16 in
Dimension D <sup>1</sup>	8-3/4 in
Dimension d <sub>1</sub>	6-47/64 in
e	0.53
X (if F <sub>a</sub> /F <sub>r</sub> e)	0.87



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Y (if $F_a/F_r \leq e$ )	1.63
X (if $F_a/F_r > e$ )	0.7
Y (if $F_a/F_r > e$ )	1.97
K Factor	1.13
$C_{90}$ Dynamic Load Rating <sup>2</sup>	33000 lb
$C_0$ Static Load Rating	188400 lb
$F_{a-max}$ Maximum Permissible Thrust Load <sup>3</sup>	6908 lb
$F_{r-max}$ Maximum Allowable Slip Fit Radial Load <sup>4</sup>	27000 lb
Max. Speed <sup>5</sup>	1360 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