



TIMKEN FORGE OF AMERICA BEARING CORP.



4.5 Inch | 114.3 Millimeter x 6.75 Inch | 171.45
 Millimeter x 4.75 Inch | 120.65 Millimeter
 TIMKEN E-P4B-TRB-4 1/2 Pillow Block Bearings

Bearing No. E-P4B-TRB-4 1/2

E-P4B-TRB-4 1/2 Bearing 2D drawings and 3D CAD models

Category	Pillow Block Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	40.86
EAN	0053893607658
Product Group	M06288
Number of Mounting Holes	4
Mounting Method	Concentric Collar
Housing Style	4 Bolt Pillow Block
Rolling Element	Tapered Roller Bearing
Housing Material	Cast Iron
Expansion / Non-expansion	Non-expansion
Mounting Bolts	3/4 Inch
Relubricatable	Yes
Seals	Double Lip Radial
Housing Configuration	1 Piece Solid
Inch - Metric	Inch
Other Features	Double Row Wide Inner Race With Set Screw
Long Description	4 Bolt Pillow Block; 4-1/2" Bore; 4-3/4" Base to Center Height; Concentric Collar Mount; Tapered Roller Bearing; 13-5/16" Minimum Bolt Spacing; 13-11/16" Bolt Spacing Maximum; Relu



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Category	Pillow Block
UNSPSC	31171511
Harmonized Tariff Code	8483.20.40.80
Noun	Bearing
Keyword String	Pillow Block
Manufacturer URL	http://www.timken.com
Manufacturer Item Number	E-P4B-TRB-4 1/2
Weight / LBS	90
B	4.75 Inch 120.65 Millimeter
d	4.5 Inch 114.3 Millimeter
Nominal Bolt Center to Center	13.2 Inch 335.3 Millimeter
D	6.75 Inch 171.45 Millimeter
Actual Bolt Center to Center	0 Inch 0Millimeter
Bolt Spacing Maximum	13.688 Inch 347.675Millimeter
Bolt Spacing Minimum	13.313 Inch 338.15Millimeter
Shaft Size	4.5 in
Shaft Size Type	Imperial
Weight	90.000 lb
UPC Code	053893607658
Dimension B	6-3/4 in
Dimension L	16-5/8 in
Dimension A	4-5/8 in
Dimension J Min.	13-5/16 in
Dimension J Max.	13-11/16 in
Bolt Diameter	3/4 in
Dimension N	15/16 in
Dimension N ₁	1-1/8 in
Dimension N ₂	2-1/2 in



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Dimension H ₁	2-3/4 in
Dimension H ₂	9-3/8 in
Dimension d ₁	6-47/64 in
Dimension H	4-3/4 in
e	0.53
X (if $F_a/F_r \leq e$)	0.87
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 ¹	33000 lb
C ₀ Static Load Rating	188400 lb
F _{a-max} Maximum Permissible Thrust Load ²	6908 lb
F _{r-max} Maximum Allowable Slip Fit Radial Load ³	27000 lb
Max. Speed ⁴	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