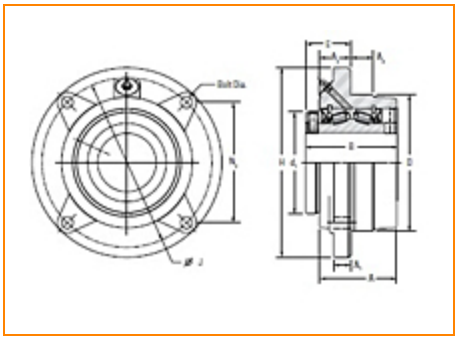
The Timken Company
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N. Canton, OH 44720
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E-Mail: CustomerCAD@timken.com • **Web site:** www.timken.com

Part Number E-PF-TRB-1 3/8, Type E Flange: Piloted Bearing

Type E tapered roller bearing Mounted Bearings are available in a wide variety of sizes and configurations to meet the requirements of demanding applications. Popular part numbers are in stock for immediate availability. Metric sizes also are available in shaft diameters ranging from 35 mm to 125 mm.

1-3/16 to 3-1/2 utilize one collar
3-15/16 to 5 utilize two collars
6 holes equally spaced (chordal spacing shown)





Specifications | Dimensions | Radial and Thrust Factors; Speed and Slip-Fit Load Limits | Note

Specifications

Shaft Size	1 3/8 in
Shaft Size Type	Imperial
UPC Code	053893778266
Lubrication	Grease - Premium Industrial
Housing Coating	E-Coat

Dimensions

Dimension B	3 in
Dimension H	5-1/4 in
Dimension A	2-15/32 in
Dimension N_2	3.09 in
Dimension J	4 3/8 in
Dimension A_3	7/8 in
Bolt Diameter	3/8 in
Dimension E	1-1/2 in
Dimension A_1	1/2 in
Dimension D [1]	3-5/8 in
Dimension d_1	2-3/4 in
Dimension A_2	1 1/32 in

Radial and Thrust Factors; Speed and Slip-Fit Load Limits

e	0.46
X (if $F_a/F_r \leq e$)	0.87
Y (if $F_a/F_r \leq e$)	1.89
X (if $F_a/F_r > e$)	0.7
Y (if $F_a/F_r > e$)	2.28
K Factor	1.31
C_{90} Dynamic Load Rating[2]	6100 lbf

C_0 Static Load Rating	26000 lbf
$F_{a\text{-}max}$ Maximum Permissible Thrust Load[3]	2590 lbf
$F_{r\text{-}max}$ Maximum Allowable Slip Fit Radial Load[4]	5000 lbf
Max. Speed[5]	3820 rpm

Note

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 occurs. The values shown are valid only when two collars and set screws are used. When heavy thrust forces are applied, the friction between the pillow block base may not be sufficient to prevent movement. Mechanical stops or shear bars with strength sufficient to support the load should be added. Never weld the pillow block or bearing to secure it to the shaft or base.

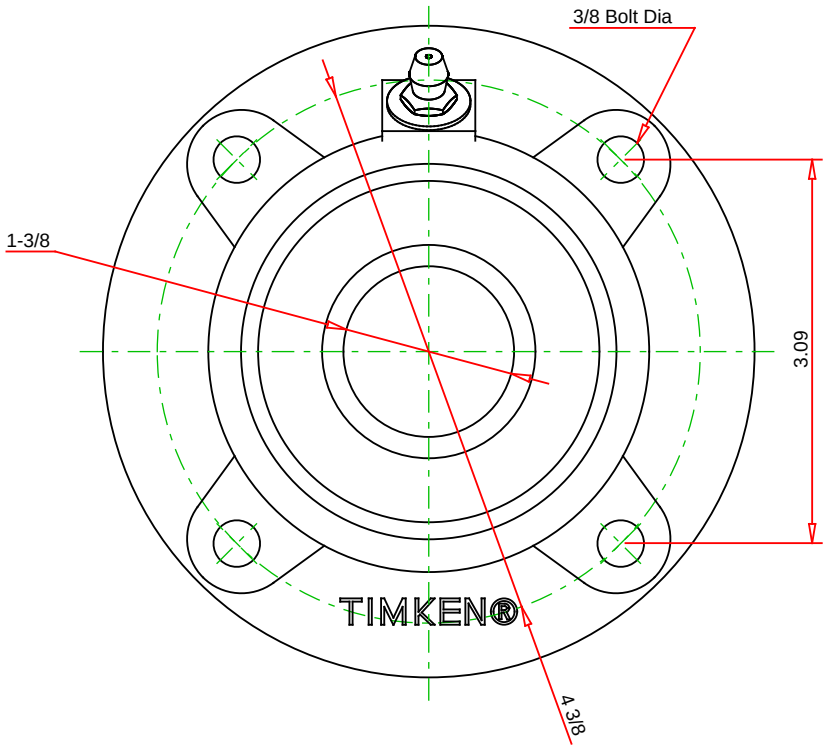
[1] Tolerance +.000 /-.002 in

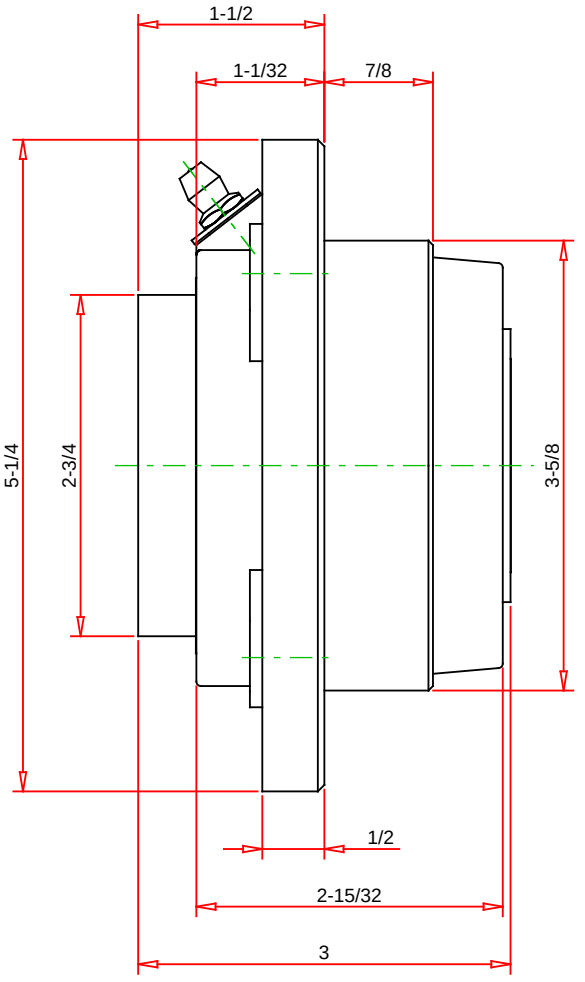
[2] C_{90} is the Dynamic Load Rating based on a rated Life of 90 million revolutions (3000 hrs at 500 RPM).

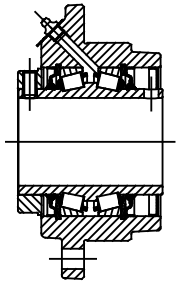
[3] $F_{a\text{-}max}$ is based on the limits of the holding force of two properly tightened collars and set screws. Fifty percent of the values should be used when a single collar is installed.

[4] If the application loads approach or exceed $F_{r\text{-}max}$, the shaft fit should be adjusted to a line-to-line (g6 or h6) or light press fit (m6).

[5] Timken Double Lip Seal







Note: Section View not to Scale

IMPERIAL UNITS

C90	6100	LBS
Co	26000	LBS
Fa-MAX	2590	LBS
Fr-MAX	5000	LBS
MAX SPEED	3820	RPM

TIMKEN

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

E-PF-TRB-1 3/8

FLANGE: PILOTED

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.

FOR DISCUSSION ONLY