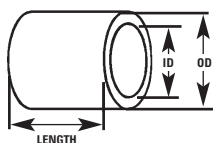
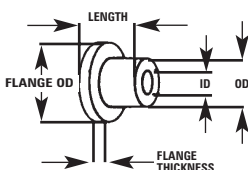


Tolerances

Plain Bearings:



Flanged Bearings:



PLAIN & FLANGED BEARINGS

Inside & Outside Diameters (Inches)

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1/2	+ .000 - .001
1/2	1	+ .000 - .001
1	1-1/2	+ .000 - .001
1-1/2	2-1/2	+ .000 - .0015
2-1/2	3-1/2	+ .000 - .002
3-1/2	4-1/2	+ .000 - .0025
4-1/2	5-1/2	+ .000 - .0035
5-1/2	6-1/2	+ .000 - .004

Length (Inches)

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1-1/2	± .005
1-1/2	3	± .0075
3	4-1/2	± .010
4-1/2	6	± .015

Flange Diameter - Based on Flange OD

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1-1/4	± .005
1-1/4	2-1/2	± .010
2-1/2	4	± .015
4	4-1/2	± .025

Flange Thickness - Based on Flange OD

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1-1/4	± .0025
1-1/4	2-1/2	± .005

Flange Fillets, Radii - Based on Body OD

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE MAX. TYPICAL
-	1	1/32
1	2	3/64
2	2-1/2	1/16
2-1/2	4	3/32

Concentricity, ID with respect to OD (Maximum Total Dial Indicator Reading) - Based on ID

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1	.003
1	1-1/2	.003
1-1/2	3	.004
3	4-1/2	.005
4-1/2	6	.006

Tolerances



Thrust Bearings

Inside Diameter

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1-1/4	± .005
1-1/4	2-1/2	± .010
2-1/2	4	± .015
THICKNESS		± .0025

Outside Diameter

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1-1/2	± .010
1-1/2	3	± .015
3	4-1/2	± .020

Parallelism of Faces - Based on OD

OVER (INCHES)	UP TO & INCLUDING	TOLERANCE
-	1-1/2	.003
1-1/2	3-1/2	.004
3-1/2	4	.005

Running Clearance

Proper running clearance for bearings depends to a great extent on the particular application. Only minimum recommended clearances for oil impregnated bearings used with the ground steel shafting are listed.

Clearance, Min. In.

SHAFT SIZE, IN.	BRONZE BASE	IRON BASE
Up to 0.760	0.0005	0.001
0.761 to 1.510	0.001	0.0015
1.511 to 2.510	0.0015	0.002
Over 2.510	0.002	0.0025

Press Fits

Plain cylindrical journal bearings are commonly installed by press fitting the bearing into a housing with an insertion arbor. For housings rigid enough to withstand the press fit without appreciable distortion and for bearings with thickness approximately one-eighth of the bearing outside diameter, the press fits shown are recommended.

Press Fit In.

OUTSIDE DIAMETER IN.	MINIMUM	MAXIMUM
Up to 0.760	0.001	0.003
0.761 to 1.510	0.0015	0.004
1.511 to 2.510	0.002	0.005
2.511 to 3.010	0.002	0.006
Over 3.010	0.002	0.007