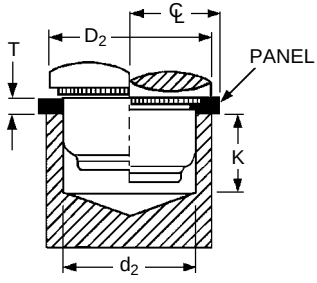
■ SELF-CLINCHING ■ SELF-ALIGNING TO ±5° ■ SELF-LUBRICATING



INSTALLATION:

1. Punch or drill and ream a hole of diameter $\mathbf{d_1}$ in panel as specified in the Design Parameters table.

   DO NOT DEBURR OR BREAK EDGE OF HOLE.

2. Place bearing assembly in hole. The slight interference fit assures centering the assembly in the mounting hole.

3. Using an anvil with diameter $\mathbf{d_2}$, a minimum depth of **K** and a punch diameter of $\mathbf{D_2}$, press the bearing assembly into the panel by constantly applying a force of **F**, per the table, until the assembly is flush with the panel surface.

   DO NOT USE HAMMER BLOWS!

TOOLING AND INSTALLATION DATA

Nominal Shaft Diameter	d_2 Anvil Diameter +0.08	K Minimum Anvil Depth	D_2 Minimum Punch Dia.	℄ Min. Dist. Centerline to Panel Edge	Installation Force F	
					Cold-Rolled Steel N	Half-Hard Aluminum N
2	6.2	7	9	4.8	9000	7000
4	7.9	8	10	5.5	14000	7000
6	9.8	10	12	6.4	18000	9000
8	14.3	13	17	10.3	45000	14000
10	16.3	16	19	11.5	49000	14000
12	21	20	24	12.7	49000	18000
15	27.4	26	29	19	54000	22000
18	32.3	26	35	19	54000	36000

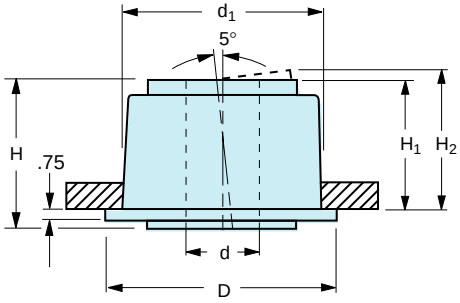
Did You Know?

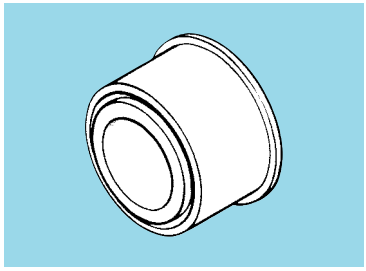
…We have a well-equipped machine shop with state-of-the-art machinery. We can customize to your specifications for a nominal fee.

METRIC

Sintered Bronze Pressbearings

■ **PRESS-FIT INSTALLATION** ■ **SELF-ALIGNING TO ±5°** ■ **SELF-LUBRICATING**





MATERIAL: **Bearing** - Oil-Impregnated Sintered Bronze
Retainer - Carbon Steel, Zinc Plated

OPERATING TEMPERATURE: -28°C to +93°C

Catalog Number	d I.D. +0.02	D Flange Shoulder O.D.	H Bearing Height	H_1 Height Along Center-line	H_2 Height At 5° Off Center-line	d_1 Panel Hole +0.07	Max. Speed rpm	Max. Radial Load N
A 7Z41MPSB04M	4.01	14.5	9.6	8.4	8.6	12.7	16160	200
A 7Z41MPSB06M	6.02	14.5	9.6	8.4	8.6	12.7	10770	400
A 7Z41MPSB08M	8.02	17.5	10.8	9.7	10	15.9	8080	1000
A 7Z41MPSB10M	10.02	17.5	10.8	9.7	10	15.9	6460	1600
A 7Z41MPSB12M	12.03	22.5	15.2	14	14.2	20.6	5390	2400
A 7Z41MPSB15M	15.03	29	19.6	18.8	19.3	27	4310	2400

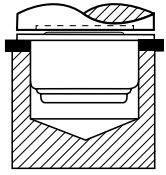
SHAFT RECOMMENDATIONS:

Finish: 0.4 µm or finer.

Material: Cold-rolled steel, drill rod, hardened and ground steels, or nonaustenitic stainless steel.

INSTALLATION NOTES:

1. The punch must be relieved to accommodate protruding insert.
2. **DO NOT PRESS BEARING ON INSERT!**



Did You Know?

… That Fairloc® is a specially designed hub-fastening device that has many unique advantages over set screw or keyway methods? See **Section 6** for a full explanation.