

SELF-CLINCHING SINTERED BRONZE PRESSBEARINGS

SDPSI

SELF-ALIGNING TO $\pm 5^\circ$
 SELF-LUBRICATING

PHONE: 516.328.3300 • FAX: 516.326.8827 • WWW.SDP-SI.COM

> MATERIAL:

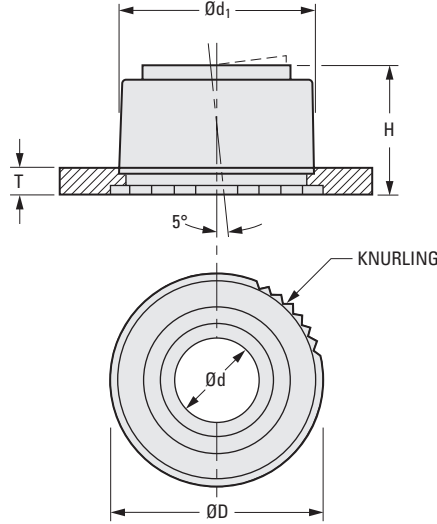
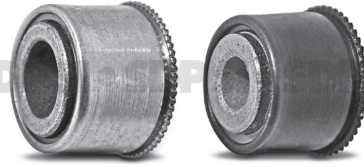
Bearing - Oil-Impregnated Sintered Bronze
Retainer - Carbon Steel, Black Oxide Finish
 or 300 Series Stainless Steel

> OPERATING TEMPERATURE:

-29°C to +93°C

> SHAFT REQUIREMENTS:

Any material, HRC 95 min.,
 with a 0.4 μm or finer finish.



The projections shown are per ISO convention.

METRIC COMPONENT

Catalog Number *	d Nom. I.D.	Actual I.D. +0.02 0	d ₁ Panel Hole Dia. +0.07 0	T Min. Panel Thickness	D Knurl O.D.	H Height
A 7Z40MF <input type="checkbox"/> B06M	6	6.02	12.7	1	14	10.2
A 7Z40MF <input type="checkbox"/> B08M	8	8.02	15.9	1.5	17	11.5
A 7Z40MF <input type="checkbox"/> B10M	10	10.02				
A 7Z40MF <input type="checkbox"/> B12M	12	12.03	20.6	1.5	22	16.3
A 7Z40MF <input type="checkbox"/> B15M	15	15.03	27	2	28	19.4
Δ A 7Z40MFSB18M	18	18.03	31.8	2.3	33	22.5

Catalog Number (Ref.)	Max. Speed rpm	Max. Radial Load N	
		Carbon Steel	Stainless Steel
A 7Z40MF <input type="checkbox"/> B06M	16110	1530	890
A 7Z40MF <input type="checkbox"/> B08M	12120	1850	1150
A 7Z40MF <input type="checkbox"/> B10M	9700		
A 7Z40MF <input type="checkbox"/> B12M	8060	2550	1480
A 7Z40MF <input type="checkbox"/> B15M	6460	7000	4030
A 7Z40MFSB18M	5380	8500	4880

* To complete the Catalog Number, specify:

for a **Carbon Steel Retainer**

or for a **Stainless Steel Retainer**.

Example: For a Stainless Steel retainer, specify Catalog Number A 7Z40MFXB08M.

Δ To be discontinued when present stock is depleted.

See page 5-49 for installation data

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SELF-CLINCHING INSTALLATION DETAILS

SDP/SI

FOR SINTERED BRONZE PRESSBEARINGS
 SELF-CLINCHING
 SELF-LUBRICATING

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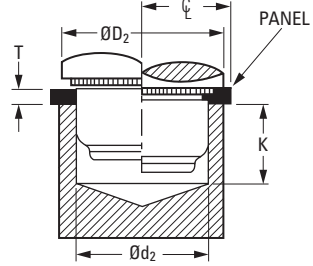
> INSTALLATION:

1. Punch or drill and ream a hole of diameter d_1 in panel as specified in the table below. Panel hardness HRB 65 max., HRB 75 max. (Stainless Steel retainer).

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 d_2 , a minimum depth of K and a Press Tool diameter of D_2 , install 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 - For Sintered Bronze and PTFE Self-Aligning

Nominal Shaft Diameter	d_1 Panel Hole Dia. +0.07 0	d_2 Anvil Dia. +0.1 0	K Minimum Anvil Depth	D_2 Press Tool Minimum Dia.	\bar{C} Min. Dist. Centerline to Panel Edge	F Install Force Cold-Rolled Steel kN
6	12.7	13.15	15.2	19	9.5	45
8	15.9	16.35	16.5	22	11.5	49
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12	20.6	21.05	21.3	27	12.7	49
15	27	27.45	24.4	33	19	
18						

See previous pages for product specifications

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