

**Snap-in bearing for thin plates**

Available in diameters 1/8" to 3/4" (for plates 0.04" to 0.135" thickness) and diameters 3mm to 12mm (for plates 2 to 3.5mm thickness)

Also available in high-performance polymer



**Snap-lock bearing for thin plates**

Permanently retained

Available in metric diameters 6mm to 20mm (for plates 1.5 to 4.0mm)

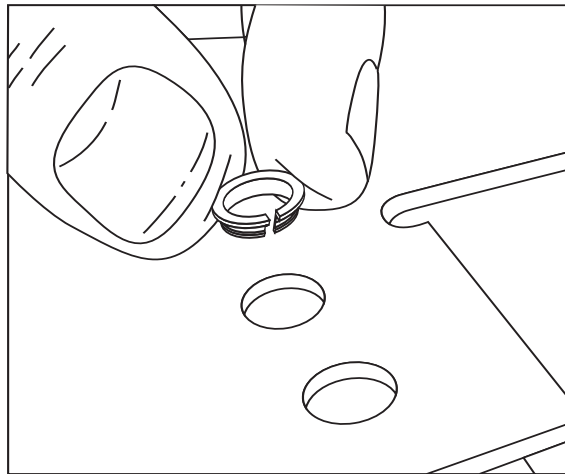


## Types 7 and 8

Types 7 and 8 snap-in Thomson Nyliner bearings are designed for easy installation in thin plates. Their double-flange construction assures positive bearing retention. The larger of the two flanges has sufficient area to take thrust loads.

**Clearances.** The minimum diametral shaft to bearing clearance normally recommended for Types 7 and 8 bearings is .001". These clearances are recommended to allow proper running clearance for trouble-free operation. Bearings will expand slightly due to frictional heat and moisture absorption. The majority of this expansion is accommodated by the compensation gap. Changes in wall thickness are minimal due to the thin-wall construction of Thomson Nyliner bearings.

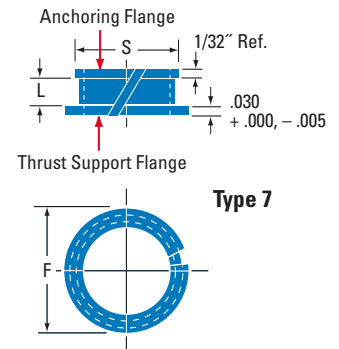
**Installation.** The bearings' compensation gap allows Types 7 and 8 bearings to be collapsed so the smaller flange can be easily spiralled through the mounting hole. Snap-in installation is fast and economical. During installation, the bearing is located over the hole with the gap facing up. Light finger pressure exerted to the left of the compensation gap spirals the bearing into position.



# Snap-In and Snap-Lock Bearings

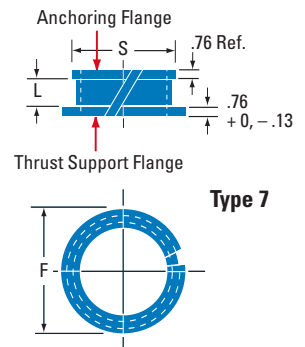
## Dimensions (Inches) — Type 7

Bearing Number	Max. Shaft Dia. <sup>†</sup>	Min. Housing Bore <sup>†</sup>	Bearing ID <sup>††</sup> +.003 -0.000	Flange Diameter ±1/64		Bearing Length "L" +1/64 -0	Recommended Plate Thickness
				"F"	"S"		
2L1-FF	1/8	11/64	.1260	1/4	3/16	.078	.040 to .075
2L2-FF	(.125)	(.1718)	.1260	1/4	3/16	.140	.072 to .135
3L1-FF	3/16	15/64	.1885	5/16	1/4	.078	.040 to .075
3L2-FF	(.1875)	(.2343)	.1885	5/16	1/4	.140	.072 to .135
4L1-FF	1/4	5/16	.2510	7/16	11/32	.078	.040 to .075
4L2-FF	(.250)	(.3125)	.2510	7/16	11/32	.140	.072 to .135
5L1-FF	5/16	3/8	.3135	1/2	13/32	.078	.040 to .075
5L2-FF	(.3125)	(.3750)	.3135	1/2	13/32	.140	.072 to .135
6L1-FF	3/8	7/16	.3760	9/16	15/32	.078	.040 to .075
6L2-FF	(.375)	(.4375)	.3760	9/16	15/32	.140	.072 to .135
7L1-FF	7/16	1/2	.4385	5/8	17/32	.078	.040 to .075
7L2-FF	(.4375)	(.500)	.4385	5/8	17/32	.140	.072 to .135
8L1-FF	1/2	9/16	.5010	11/16	19/32	.078	.040 to .075
8L2-FF	(.500)	(.5625)	.5010	11/16	19/32	.140	.072 to .135
10L1-FF	5/8	11/16	.6260	7/8	23/32	.078	.040 to .075
10L2-FF	(.625)	(.6875)	.6260	7/8	23/32	.140	.072 to .135
12L1-FF	3/4	13/16	.7510	1	27/32	.078	.040 to .075
12L2-FF	(.750)	(.8125)	.7510	1	27/32	.140	.072 to .135



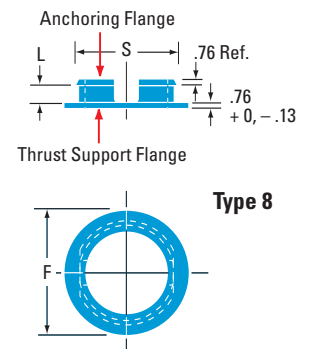
## Dimensions (Millimeters) — Type 7

Bearing Number	Max. Shaft Diameter <sup>†</sup>	Housing Bore <sup>††</sup>	Bearing I.D. <sup>††</sup> +.1/-0	Flange Diameter		Bearing Length "L"	Thrust Support Flange Thickness	Recommended Plate Thickness
				"F"	"S"			
8010A	3	4.2	3.025	6	4.8	2	0.6	1.45 to 1.92
8011A	4	5.2	4.025	7	5.9	2	0.6	1.45 to 1.92
8012A	5	6.2	5.025	8	6.8	2	0.6	1.45 to 1.92
8013A	6	7.2	6.025	11	7.8	2	0.6	1.45 to 1.92
8014A	8	9.6	8.025	13	10.4	2	0.8	1.45 to 1.92
8015A	10	11.6	10.025	15	12.4	2	0.8	1.45 to 1.92
8016A	12	13.6	12.025	17	14.4	2	0.8	1.45 to 1.92



## Dimensions (Millimeters) — Type 8

Bearing Number	Max. Shaft Diameter <sup>†</sup>	Housing Bore <sup>††</sup>	Bearing I.D. <sup>††</sup> +.1/-0	Flange Diameter		Bearing Length "L"	SS- ADD Max Plate Thickness (L Dim.)
				"F"	"S"		
6LSS	6	7.2	6.025	11	8	Add L	1.5
8LSS	8	9.6	8.025	13	10.5	Add L	2.0
10LSS	10	11.6	10.025	15	12.5	Add L	2.5
11LSS	11	12.6	11.025	16	13.5	Add L	3.0
12LSS	12	13.6	12.025	17	14.5	Add L	3.5
13LSS	13	14.6	13.025	18	15.5	Add L	4.0
15LSS	15	16.6	15.025	20	17.5	Add L	
20LSS	20	21.6	20.025	25	22.5	Add L	



After each part number SS-add recommended plate thickness (Example: 8LSS-2 = 8mm ID snap into 2mm max. plate)

<sup>†</sup> The minimum clearance for "snap-in" bearings is .0254". "Snap-in" bearings can be used with shaft diameters approx. .08mm larger or smaller than shown in table by varying the "snap-in" housing bore a corresponding amount.

<sup>††</sup> When installed in Housing Bore diameter shown.