

Cylindrical Bushing Air Bearings

Model	Part Number	Performance			Physical Properties							Installation Requirements		
		Load Capacity, lbs[N]	Stiffness, lbs/inch [N/μm]	Flow Rate, scfh [slpm]	Outside Diameter, inches [mm]	Inside Diameter, inches [mm]	Length, inches [mm]	Recommended shaft size, inches [mm]	Shaft Tolerance	Supply fitting thread, metric [imperial]	Weight, lbs [N]	Mating Surface Local Roundness, microinches [μm]	Rated Supply Pressure, psig [Mpa]	Air Quality
LCAP075	630-43630	33 [145]	170000 [29]	8 [4]	1.250 [31.75]	0.7508 +.0002/-0 [19.070 +.005/-0]	2.13 [54.0]	0.75 [19.1]	-0.0002 [-0.005]	M3	0.142 [0.6]	.000050 [.001]	80 [0.55]	ISO Class 3 or better
LCAP100	630-43631	48 [211]	270000 [47]	11 [5]	1.562 [39.67]	1.0008 +.0002/-0 [25.420 +.005/-0]	2.50 [63.5]	1.00 [25.4]	-0.0002 [-0.005]	M3	0.202 [0.9]	.000050 [.001]	80 [0.55]	ISO Class 3 or better
LCAP150	630-43632	151 [664]	490000 [85]	17 [8]	2.250 [57.15]	1.5008 +.0002/-0 [38.120 +.005/-0]	3.00 [76.2]	1.50 [38.1]	-0.0003 [-0.008]	M5 [10-32]	0.570 [2.5]	.000050 [.001]	80 [0.55]	ISO Class 3 or better
LCAP200	630-43633	232 [1021]	790000 [137]	22 [10]	2.875 [73.03]	2.0008 +.0002/-0 [50.820 +.005/-0]	3.50 [88.9]	2.00 [50.8]	-0.0003 [-0.008]	M5 [10-32]	1.020 [4.5]	.000050 [.001]	80 [0.55]	ISO Class 3 or better
LCAP250	630-43634	305 [1342]	1100000 [191]	27 [13]	3.375 [85.73]	2.5008 +.0002/-0 [63.520 +.005/-0]	3.75 [95.3]	2.50 [63.5]	-0.0004 [-0.010]	M5 [10-32]	1.297 [5.7]	.000050 [.001]	80 [0.55]	ISO Class 3 or better
LCAP300	630-43635	350 [1540]	1390000 [241]	33 [16]	3.875 [98.43]	3.0008 +.0002/-0 [76.220 +.005/-0]	3.75 [95.3]	3.00 [76.2]	-0.0004 [-0.010]	M5 [10-32]	1.616 [7.1]	.000050 [.001]	80 [0.55]	ISO Class 3 or better

See detailed product pages for more specification information.

A majority of the products we sell are specifically custom designed to meet various application requirements. If you do not see exactly what you are looking for within this standard product line, please contact Specialty Components. Our engineers would be glad to help you develop, prototype and manufacture your own design.

