

# Spherical Air Bearings

Model	Part Number	Performance			Physical Properties								Installation Requirements	
		Load Capacity, lbs[kN]	Side Load Capacity, lbs[N]	Stiffness, klbs/inch [N/μm]	Flow Rate, scfh [slpm]	Base Diameter, inches [mm]	Bearing Height, inches [mm]	Spherical Radius, inches [mm]	Rotational Travel, deg	Air Supply fitting thread, imperial [metric]	Assembly Weight, lbs [N]	Sphere Weight, lbs [N]	Rated Supply Pressure, psig [Mpa]	Air Quality
SRA100-R15	620-39115	75 [0.33]	20 [88]	410 [71]	4.0 [1.9]	2.2 [56.1]	1.8 [45.7]	1.0 [25.4]	15	M3 [10-32]	0.6 [2.6]	0.20 [0.9]	80 [0.55]	ISO Class 3
SRA150-R30	620-39223	171 [0.75]	50 [220]	900 [156]	4.2 [2.0]	3.1 [79.5]	2.8 [71.6]	1.5 [38.1]	30	M5 [10-32]	1.9 [8.4]	0.86 [3.8]	80 [0.55]	ISO Class 3
SRA200-R30	620-39224	318 [1.40]	101 [444]	1300 [225]	4.7 [2.2]	4.4 [111.8]	3.3 [83.6]	2.0 [50.8]	30	M5 [10-32]	4.4 [19.4]	2.0 [8.8]	80 [0.55]	ISO Class 3
SRA250-R30	620-39225	510 [2.24]	160 [704]	2000 [346]	5.9 [2.8]	5.5 [139.7]	4.2 [107.2]	2.5 [63.5]	30	M5 [10-32]	8.7 [38.3]	4.0 [17.6]	80 [0.55]	ISO Class 3
SRA300-R30	620-39127	748 [3.29]	230 [1012]	2900 [502]	7.0 [3.3]	6.6 [168.3]	5.0 [128.0]	3.0 [76.2]	30	M5 [10-32]	15.7 [69.1]	6.9 [30.4]	80 [0.55]	ISO Class 3
SRA350-R30	620-39131	1031 [4.54]	268 [1179]	3500 [606]	7.4 [3.5]	7.8 [196.9]	6.0 [151.7]	3.5 [88.9]	30	M5 [10-32]	25.1 [110.4]	11.1 [48.8]	80 [0.55]	ISO Class 3
SRA400-R30	620-39135	1359 [5.98]	355 [1562]	4900 [849]	13.3 [6.3]	8.5 [215.9]	6.7 [170.7]	4.0 [101.6]	30	M5 [10-32]	35.0 [154.0]	16.6 [73.0]	80 [0.55]	ISO Class 3
SRA100-R45	620-39117	69 [0.30]	18 [79]	350 [61]	3.8 [1.8]	2.2 [56.1]	2.6 [66.8]	1.0 [25.4]	45	M3 [10-32]	0.8 [3.5]	0.40 [1.8]	80 [0.55]	ISO Class 3
SRA150-R45	620-39136	135 [0.59]	29 [125]	513 [89]	4.0 [1.9]	3.3 [82.6]	2.5 [64.5]	1.5 [38.1]	45	M5 [10-32]	2.2 [9.7]	0.86 [3.8]	80 [0.55]	ISO Class 3
SRA200-R45	620-39130	180 [0.79]	58 [253]	741 [128]	4.2 [2.0]	3.9 [98.6]	3.4 [86.1]	2.0 [50.8]	45	M5 [10-32]	4.3 [18.9]	2.0 [8.8]	80 [0.55]	ISO Class 3
SRA250-R45	620-39128	280 [1.23]	91 [401]	1140 [197]	5.1 [2.4]	4.4 [112.3]	4.2 [107.2]	2.5 [63.5]	45	M5 [10-32]	8.1 [35.6]	4.0 [17.6]	80 [0.55]	ISO Class 3
SRA300-R45	620-39132	410 [1.80]	131 [577]	1653 [286]	6.6 [3.1]	5.3 [134.6]	5.2 [130.8]	3.0 [76.2]	45	M5 [10-32]	14.0 [61.6]	6.9 [30.4]	80 [0.55]	ISO Class 3
SRA350-R45	620-39133	590 [2.60]	153 [673]	1995 [346]	7.0 [3.3]	6.0 [152.4]	5.9 [150.9]	3.5 [88.9]	45	M5 [10-32]	21.0 [92.4]	11.1 [48.8]	80 [0.55]	ISO Class 3
SRA400-R45	620-39137	675 [2.97]	202 [890]	2793 [484]	12.1 [5.7]	7.0 [177.8]	6.9 [174.5]	4.0 [101.6]	45	M5 [10-32]	33.0 [145.2]	16.6 [73.0]	80 [0.55]	ISO Class 3
SRA850-R45	620-39129	12180 [53.59]	1927 [8479]	43000 [7449]	199.2 [94.0]	15.9 [403.4]	14.2 [359.4]	8.5 [215.9]	45	1/4-NPT	273 [1201]	164 [721.6]	145 [1.00]	ISO Class 3

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.

