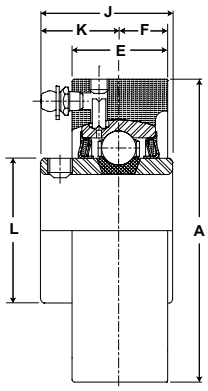


Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Cylindrical Cartridge
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



MSC Series Medium Duty Cartridge Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm						Unit Wt. lb/kg
					A	E	F	J	K	L	
inch	mm				±.001"						
15/16 1	 25	MSC-15 MSC-16 MSC-305	3-015 3-1 5305	4381 19487	3.500 88.90	1 3/32 27.8	9/16 14.3	1 1/2 38.1	7/8 22.2	1 19/32 40.5	2.5 1.13
1 3/16 1 1/4	 30	MSC-19 MSC-20 MSC-306	3-13 2-14 5306	5782 25718	3.875 98.43	1 7/32 31.0	5/8 15.9	1 11/16 42.9	1 25.4	1 55/64 47.2	3.2 1.45
1 3/8 1 7/16	 35	MSC-22 MSC-23 MSC-307	3-16 3-17 5307	7340 32648	4.188 106.36	1 15/32 37.3	3/4 19.1	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	4.1 1.86
1 1/2	 40	MSC-24 MSC-308	3-18 5308	7901 35144	4.375 111.13	1 7/16 36.5	23/32 18.3	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	4.5 2.04
1 11/16 1 3/4	 45	MSC-27 MSC-28 MSC-309	3-111 3-112 5309	7889 35090	4.563 115.89	1 15/32 37.3	3/4 19.1	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	4.9 2.22
1 15/16 2	 50	MSC-31 MSC-32 MSC-310	3-115 2-2 5310	9752 43377	4.938 125.41	1 19/32 40.5	51/64 20.2	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5.8 2.63
2 3/16 2 1/4	 55	MSC-35 MSC-36 MSC-311	3-23 2-24 5311	11789 52437	5.875 149.23	1 5/8 41.3	13/16 20.6	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	9.5 4.31
2 7/16 2 1/2	 65	MSC-39 MSC-40 MSC-313	3-27 3-28 5313	13971 62143	6.250 158.75	2 50.8	1 25.4	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	12.6 5.72
2 11/16 2 3/4	 70	MSC-43 MSC-44 MSC-314	3-211 3-212 5314	14839 66004	6.625 168.28	2 50.8	1 25.4	3 1/16 77.8	1 3/4 44.5	3 21/32 92.9	14.1 6.40
2 15/16 3	 75	MSC-47 MSC-48 MSC-315	3-215 3-3 5315	17412 77449	7.000 177.80	2 3/16 55.6	1 3/32 27.8	3 1/4 82.6	1 15/16 49.2	3 59/64 99.6	16.6 7.53
3 3/16 3 1/4 3 3/8	 80	MSC-51 MSC-52 MSC-54 MSC-316	3-33 2-34 2-36 5316	18681 83093	7.438 188.91	2 1/2 63.5	1 1/4 31.8	3 3/8 85.7	2 1/32 51.6	4 5/32 105.6	20.2 9.16
3 7/16 3 1/2		MSC-55 MSC-56	3-37 2-38	21566 95926	8.188 207.96	2 1/2 63.5	1 1/4 31.8	3 25/32 96.0	2 7/32 56.4	4 25/64 111.5	25.8 11.70
3 15/16 4	 100	MSC-63 MSC-64 MSC-320	3-315 3-4 5320	29905 133017	9.500 241.30	3 76.2	1 1/2 38.1	4 5/8 117.5	2 11/16 68.3	5 11/64 131.4	42 19.05

For Medium Duty Bearing Inserts-Single Lock see page G-95.
For Housing fit guidelines see page G-261.