

Precision Tolerances and Recommended Fits for REALI-SLIM MM™ Metric Series Bearings shown on pages 54 thru 59

KAYDON class 1 for A, C, X type bearings All dimensions in millimeters.

Bearing Size (mm Series)	Bearing Diameters		Radial & Axial Runout		Rotating Shaft or Duplex DF Mounting		Stationary Shaft or Duplex DB Mounting				Bearing Diametral Clearance*	
	Bearing Bore Nominal +.0000	Bearing O.D. Nominal +.0000	Inner Race	Outer Race	Shaft Diameter Nominal +.0000	Housing Bore Nominal +.0000	Shaft Diameter Nominal		Housing Bore Nominal		Before Installation	
020	-.010	-.010	.008	.010	+.010	+.010	-.010	-.020	-.010	-.020	0.025	0.038
025	-.010	-.010	.008	.010	+.010	+.010	-.010	-.020	-.010	-.020	0.025	0.038
050	-.012	-.013	.013	.013	+.012	+.013	-.012	-.024	-.013	-.026	0.030	0.056
060	-.015	-.013	.013	.013	+.015	+.013	-.015	-.030	-.015	-.030	0.030	0.056
070	-.015	-.015	.015	.015	+.015	+.015	-.015	-.030	-.015	-.030	0.030	0.056
080	-.015	-.015	.015	.015	+.015	+.015	-.015	-.030	-.015	-.030	0.030	0.056
090	-.020	-.015	.015	.015	+.020	+.015	-.020	-.040	-.020	-.040	0.041	0.066
100	-.020	-.015	.015	.015	+.020	+.015	-.020	-.040	-.020	-.040	0.041	0.066
110	-.020	-.018	.015	.020	+.020	+.018	-.020	-.040	-.020	-.040	0.041	0.066
120	-.020	-.018	.020	.020	+.020	+.018	-.020	-.036	-.020	-.036	0.041	0.066
130	-.025	-.018	.025	.025	+.025	+.018	-.025	-.051	-.018	-.036	0.051	0.076
140	-.025	-.025	.025	.025	+.025	+.025	-.025	-.051	-.025	-.051	0.051	0.076
150	-.025	-.025	.025	.025	+.025	+.025	-.025	-.051	-.025	-.051	0.051	0.076
160	-.025	-.025	.025	.025	+.025	+.025	-.025	-.051	-.025	-.051	0.051	0.076
170	-.025	-.025	.025	.025	+.025	+.025	-.025	-.051	-.025	-.051	0.051	0.076
180	-.025	-.030	.025	.025	+.025	+.030	-.025	-.051	-.030	-.061	0.051	0.076
190	-.025	-.030	.025	.025	+.025	+.030	-.025	-.051	-.030	-.061	0.051	0.076
200	-.030	-.030	.030	.030	+.030	+.030	-.030	-.061	-.030	-.061	0.061	0.086
250	-.036	-.036	.046	.051	+.036	+.036	-.036	-.071	-.036	-.071	0.071	0.100
300	-.036	-.036	.046	.051	+.036	+.036	-.036	-.071	-.036	-.071	0.071	0.100
320	-.036	-.036	.046	.051	+.036	+.036	-.036	-.071	-.036	-.071	0.071	0.100
340	-.036	-.036	.046	.051	+.036	+.036	-.036	-.071	-.036	-.071	0.071	0.100
360	-.036	-.036	.046	.051	+.036	+.036	-.036	-.071	-.036	-.071	0.071	0.100

* Diametral clearance after installation theoretically can range rather widely if all contributing bearing, housing, and shaft tolerances are at either of their extremes. Diametral clearances shown do not apply to Type A (angular contact) bearings.

Total Width Tolerance—Duplexed Type A Bearings:

Up thru 300 mm Bearing Bore +.000 –.254
Over 300 mm Bearing Bore +.000 –.508

Race Width Tolerance—Single Type C, X, A Bearings:

Up thru 300 mm Bearing Bore +.000 –.127
Over 300 mm Bearing Bore +.000 –.254

Listed shaft and housing diameters are for steel supports with standard bearing diametral clearance. Recommended shaft and housing diameters can change greatly based on orientation, temperature, speed, non-standard diametral clearances, and desired performance characteristics. Contact KAYDON for design assistance when required.

All dimensions in millimeters.