

# Precision Tolerances & Recommended Fits for Reali-Slim MM Metric Series Bearings

All dimensions in millimeters

## Kaydon Class 1 for Type A, C & X Bearings

Bearing Size (mm Series)	Bearing Diameters		Radial & Axial Runout		Rotating Shaft or Duplex DF Mounting		Stationary Shaft or Duplex DB Mounting			Bearing Diametral Clearance* Before Installation		
	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				
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.

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.

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