



Dimension Control

Outer Ring*

CHARACTERISTIC	CONFIGURATION	SIZE RANGE	ABEC 1	ABEC 3P	ABEC 5P	ABEC 7P	ABEC 9P
Mean OD Tolerance Limits	All	0-18mm (0-.7086in)	+0.000 -0.003	+0.000 -0.003	+0.000 -0.002	+0.000 -0.002	+0.000 -0.001
		over 18-30mm (.7086-1.1181in)	+0.000 -0.004	+0.000 -0.003	+0.000 -0.002	+0.000 -0.002	+0.000 -0.0015
Maximum OD Tolerance Limits	Open	0-18mm (0-.7086in.)	+0.001 -0.004	+0.001 -0.004	+0.000 -0.002	+0.000 -0.002	+0.000 -0.001
		over 18-30mm (.7086-1.1811in)	+0.001 -0.005	+0.001 -0.004	+0.000 -0.002	+0.000 -0.002	+0.000 -0.0015
	Shielded	0-18mm (0-.7086in)	+0.002 -0.005	+0.002 -0.005	+0.0004 -0.0024	+0.0004 -0.0024	— —
		over 18-30mm (.7086-1.1811in)	+0.002 -0.006	+0.002 -0.005	+0.0004 -0.0024	+0.0004 -0.0024	— —
OD 2 pt. out of Roundness	Open	0-18mm	—	—	.0001	.0001	.00005
	Open	over 18-30mm	—	—	.0001	.0001	.00008
	Shielded	0-30mm	—	—	.0002	.0002	—
OD Taper	All	0-18mm	—	—	.0001	.0001	.0005
	All	over 18-30mm	—	—	.0001	.0001	.0008
	Shielded	0-30mm	—	—	.0002	.0002	—
Radial Runout	All	0-18mm	.0006	.0004	.0002	.00015	.00005
	All	over 18-30mm	.0006	.0004	.0002	.00015	.0001
Width Variation	All	0-30mm	—	—	.0002	.0001	.00005
OD Runout with Face	All	0-30mm	—	—	.0003	.00015	.00005
Race Runout with Face	Plain	0-18mm	—	—	.0003	.0002	.00005
		over 18-30mm	—	—	.0003	.0002	.0001
	Flanged	0-30mm	—	—	.0003	.0003	—
Flange Width Tolerance Limits		—	—	+0.000	+0.000	+0.000	—
		—	—	-0.0020	-0.0020	-0.0020	—
Flange Diameter Tolerance Limits		—	—	+0.0050	+0.000	+0.000	—
		—	—	-0.0020	-0.0010	-0.0010	—

*Measurement in inches, unless otherwise indicated.

Ring Width*

CHARACTERISTIC	CONFIGURATION	ABEC 1	ABEC 3P	ABEC 5P	ABEC 7P	ABEC 9P
Width	Single Bearing	+0.000 -0.005	+0.000 -0.005	+0.000 -0.001	+0.000 -0.001	+0.000 -0.001
		Duplex Pair	— —	— —	+0.000 -0.015	+0.000 -0.015

*Measurement in inches.