

Radial contact ball bearings with seals or shields are designed to accommodate radial loads and some axial loads in either direction. One bearing series is based on a single cross section which remains constant as the bore diameter increases, leading to significant space and weight savings. The bearings are available with and inch boundary dimensions. Depending on the design and series the bearings can be provided with chemical and corrosion resistance.

- Accommodate radial and some axial loads in both directions
- Thin cross section
- Lightweight
- Low friction
- High stiffness
- High running accuracy



Dimensions		
d	101.595 mm	Bore diameter
D	114.308 mm	Outside diameter
H	6.35 mm	Radial cross section
B	6.35 mm	Width
d_1	≈ 106.324 mm	Shoulder diameter inner ring
D_1	≈ 109.576 mm	Shoulder diameter outer ring
	3.175 mm	Ball diameter
	0.635 mm	Maximum radius of shaft or housing fillet

Dynamic load rating, Kaydon, radial direction	C_K	2.54 kN
Basic static load rating, radial direction	C_0	5.74 kN

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances, radial clearance and recommended fits:
 - Endurakote bearings: Class 1, Class 1, Class 3, Class 4
 - bearings: Class 1
 - other bearings: Class 1, Class 1, Class 3, Class 4, Class 6
- Materials

AGA BEARINGS