

KDN.NF090XP0

Four-point contact ball bearings can accommodate radial, axial and moment loads simultaneously. 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 or inch main dimensions. Depending on the design and series the bearings can be provided with chemical and corrosion resistance.



- Accommodate radial, axial and moment loads simultaneously
- Require considerably less axial space than two angular contact ball bearings
- Thin cross section
- Lightweight
- Low friction
- High stiffness
- High running accuracy



Dimensions		
d	228.595 mm	Bore diameter
D	266.708 mm	Outside diameter
H	19.05 mm	Radial cross section
B	19.05 mm	Width
d ₁	≈ 242.697 mm	Shoulder diameter inner ring
D ₁	≈ 252.603 mm	Shoulder diameter outer ring
	9.525 mm	Ball diameter
	2.032 mm	Maximum radius of shaft or housing fillet

Calculation data

Dynamic load rating, Kaydon, radial direction

C_k 30.9 kN

Basic static load rating, radial direction

C₀ 48.9 kN

Basic static load rating, axial direction	C _{0a}	122 kN
Basic dynamic load rating, moment	C _M	2.871 kN·m
Basic static load rating, moment	C _{0M}	6.061 kN·m

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