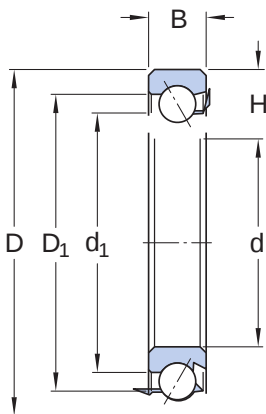


KDN.S09003AS0

These angular contact ball bearings can accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. 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 not recommended for applications having continuous rotation.



- Accommodate radial loads and axial loads in one direction
- Extremely thin cross section
- Lightweight
- Chemical and corrosion resistance
- Low friction
- High stiffness
- High running accuracy



Dimensions		
d	90 mm	Bore diameter
D	96 mm	Outside diameter
H	3 mm	Radial cross section
B	2.489 mm	Width
d ₁	≈ 92.2 mm	Shoulder diameter inner ring
D ₁	≈ 93.8 mm	Shoulder diameter outer ring/ inner diameter housing washer
	1.588 mm	Ball diameter
	0.25 mm	Maximum radius of shaft or housing fillet

Calculation data

Dynamic load rating, Kaydon, radial direction	C _k	716 N
Basic static load rating, radial direction	C ₀	970 N

Maximum loading limit, axial direction	F_a	956 N
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Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances, radial clearance and recommended fits: Class 1
- Materials

AGA BEARINGS