

AXK 160200

Needle roller and cage thrust assembly

Needle roller and cage thrust assemblies are designed to accommodate heavy axial loads and peak loads in one direction. They provide a high degree of stiffness within a minimum axial space. In applications where the faces of adjacent machine components serve as raceways, needle roller thrust bearings take up no more space than a conventional thrust washer. The bearings can also be combined with bearing washers to create complete bearings.

- High axial load carrying capacity
- High stiffness
- Long service life
- Require minimal axial space
- Can be combined with bearing washers

Overview

Dimensions

Bore diameter	160 mm
Outside diameter	200 mm
Thickness	5 mm

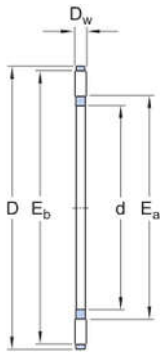
Performance

Basic dynamic load rating	125 kN
Basic static load rating	1 000 kN
Limiting speed	1 900 r/min
Reference speed	950 r/min

Properties

Bearing part	Needle roller and cage assembly
Cage	Sheet steel
Coating	Without
Material, bearing	Bearing steel
Roller grade	G2

Technical Specification



Dimensions

d	160 mm	Bore diameter
D	200 mm	Outside diameter
D_w	5 mm	Diameter roller
E_a	min. 166 mm	Raceway diameter (min.) roller and cage thrust assembly
E_b	max. 197 mm	Raceway diameter (max.) roller and cage thrust assembly

Calculation data

Basic dynamic load rating	C	125 kN
Basic static load rating	C_0	1 000 kN
Fatigue load limit	P_u	106 kN
Reference speed		950 r/min
Limiting speed		1 900 r/min

Mass

Mass roller and cage thrust assembly	0.25 kg

Associated products

Universal washer	LS 160200
Thin universal washer	AS 160200
Shaft washer	WS 81132
Housing washer	GS 81132

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