

AXK 1528



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	15 mm
Outside diameter	28 mm
Height	2 mm

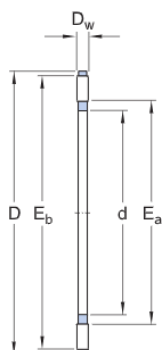
Performance

Basic dynamic load rating	10.4 kN
Basic static load rating	37.5 kN
Reference speed	4 800 r/min
Limiting speed	9 500 r/min

Properties

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

Technical Specification



Dimensions

d	15 mm	Bore diameter
D	28 mm	Outside diameter
D_w	2 mm	Diameter roller
E_a	min. 17 mm	Raceway diameter (min.) roller and cage thrust assembly
E_b	max. 27 mm	Raceway diameter (max.) roller and cage thrust assembly

Calculation data

Basic dynamic load rating	C	10.4 kN
Basic static load rating	C_0	37.5 kN
Fatigue load limit	P_u	4.3 kN
Reference speed		4 800 r/min
Limiting speed		9 500 r/min

Mass

Mass roller and cage thrust assembly	0.004 kg
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Associated products

Universal washer	LS 1528
Thin universal washer	AS 1528
Shaft washer	WS 81102
Housing washer	GS 81102

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