



SKF AXK 6590

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.

Technical specifications

Dimensions	
Bore diameter	65 mm
Outside diameter	90 mm
Diameter roller	3 mm
Raceway diameter (min.) roller and cage thrust assembly	70 mm
Raceway diameter (max.) roller and cage thrust assembly	88 mm
Height	3 mm

Calculation data	
Basic dynamic load rating	39 kN
Basic static load rating	255 kN
Fatigue load limit	31 kN
Reference speed	2000 r/min
Limiting speed	4000 r/min

Associated products	
Universal washer	LS 6590
Thin universal washer	AS 6590
Shaft washer	WS 81113
Housing washer	GS 81113

Performance	
Basic dynamic load rating	39 kN
Basic static load rating	255 kN
Reference speed	2000 r/min
Limiting speed	4000 r/min

Properties	
Bearing part	Needle roller and cage assembly
Cage	Sheet steel
Roller grade	G2
Material, bearing	Bearing steel
Coating	Without
Indicative carbon footprint for new product	0.13 kg CO ₂ e

Logistics	
Product net weight	0.0362 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

