



SKF AXK 80105

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	80 mm
Outside diameter	105 mm
Diameter roller	4 mm
Raceway diameter (min.) roller and cage thrust assembly	84 mm
Raceway diameter (max.) roller and cage thrust assembly	103 mm
Height	4 mm

Calculation data	
Basic dynamic load rating	51 kN
Basic static load rating	280 kN
Fatigue load limit	34 kN
Reference speed	1700 r/min
Limiting speed	3400 r/min

Associated products	
Universal washer	LS 80105
Thin universal washer	AS 80105
Shaft washer	WS 81116
Housing washer	GS 81116

Performance	
Basic dynamic load rating	51 kN
Basic static load rating	280 kN
Reference speed	1700 r/min
Limiting speed	3400 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	0.21 kg CO ₂ e

Logistics	
Product net weight	0.0574 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings