



SKF HK 1012 RS

Drawn cup needle roller bearing with open ends and integral sealing

Drawn cup needle roller bearings are typically used in applications where the housing bore cannot be used as a raceway for a needle roller and cage assembly, but where a very compact and economical bearing arrangement is required. Owing to their large number of rollers, the bearings have a high load carrying capacity and stiffness. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out. Sealed bearings are delivered with an initial grease fill.

Technical specifications

Dimensions	
Diameter under rollers	10 mm
Outside diameter	14 mm
Width	12 mm
Chamfer dimension drawn cup (outer ring)	0.4 mm
Bore diameter of needle roller complement	10 mm
Calculation data	
Basic dynamic load rating	4.29 kN
Basic static load rating	5.3 kN
Fatigue load limit	0.57 kN
Limiting speed	12000 r/min
Performance	
Basic dynamic load rating	4.29 kN
Basic static load rating	5.3 kN
Limiting speed	12000 r/min
Properties	
Bearing part	Bearing without inner ring
Number of rows	1
Outer ring type	Drawn cup with open ends
Aligning feature	Without
Cage	Sheet steel
Number of flanges, outer ring	2
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on one side
Sealing type	Contact
Lubricant	Grease
Relubrication feature	Without
Indicative carbon footprint for new product	0.01 kg CO ₂ e
Logistics	
Product net weight	0.004 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

