



SKF HK 3020

Drawn cup needle roller bearing with open ends

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.

Technical specifications

Dimensions	
Diameter under rollers	30 mm
Outside diameter	37 mm
Width	20 mm
Chamfer dimension drawn cup (outer ring)	0.8 mm
Bore diameter of needle roller complement	30 mm

Calculation data	
Basic dynamic load rating	20.9 kN
Basic static load rating	40 kN
Fatigue load limit	4.75 kN
Reference speed	8000 r/min
Limiting speed	9000 r/min

Associated products	
Inner ring IR series	IR 25x30x20.5
Inner ring LR series	LR 25x30x20.5
Radial shaft seal with a low cross-sectional height, single lip	G 30x37x4
Radial shaft seal with a low cross-sectional height, double lip	SD 30x37x4

Performance	
Basic dynamic load rating	20.9 kN
Basic static load rating	40 kN
Reference speed	8000 r/min
Limiting speed	9000 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	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	0.14 kg CO ₂ e

Logistics	
Product net weight	0.0382 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings