



SKF K 25X33X24

Single row needle roller and cage assembly

Needle roller and cage assemblies are self-contained, ready-to-mount bearings without inner and outer rings. In applications where the shaft and housing bore can serve as raceways, the assemblies can be used to create bearing arrangements that require minimal radial space. As the clearance of the bearing arrangement is only affected by the roller sorting and the finish of shaft and housing, very precise bearing arrangements can be achieved.

Technical specifications

Dimensions	
Diameter under rollers	25 mm
Outside diameter roller complement	33 mm
Width needle roller and cage assembly	24 mm
Bore diameter of needle roller complement	25 mm
Outside diameter	33 mm
Outside diameter of needle roller complement	33 mm
Width	24 mm

Calculation data	
Basic dynamic load rating	31.9 kN
Basic static load rating	47.5 kN
Fatigue load limit	5.85 kN
Reference speed	15000 r/min
Limiting speed	17000 r/min

Associated products	
Designation associated G design radial shaft seal with a low cross-sectional height	G 25x33x4
Designation associated SD design radial shaft seal with a low cross-sectional height	SD 25x33x4

Performance	
Basic dynamic load rating	31.9 kN
Basic static load rating	47.5 kN
Reference speed	15000 r/min
Limiting speed	17000 r/min

Properties	
Bearing part	Needle roller and cage assembly
Number of rows	1
Outer ring type	Not applicable
Aligning feature	Without
Cage	Sheet steel
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	0.039 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

