



SKF RNA 69/32

Double row needle roller bearing with machined rings, with flanges, without an inner ring

Double row needle roller bearings without an inner ring consist of an outer ring with two needle roller and cage assemblies. They are an excellent choice for compact bearing arrangements in applications where hardened and ground raceways can be provided on the shaft. The outer ring includes flanges to guide the roller and cage assemblies and has features to facilitate relubrication. The roller and cage assemblies and the outer ring form a non-separable unit.

Technical specifications

Dimensions	
Diameter under rollers	40 mm
Outside diameter	52 mm
Width	36 mm
Chamfer dimension outer ring	0.6 mm
Bore diameter of needle roller complement	40 mm

Abutment dimensions	
Diameter of housing abutment	48 mm
Fillet radius	0.6 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	55 kN
Basic static load rating	90 kN
Fatigue load limit	11.2 kN
Reference speed	10000 r/min
Limiting speed	11000 r/min

Associated seals	
Radial shaft seal with a low cross-sectional height, single lip	G 40x52x5
Radial shaft seal with a low cross-sectional height, double lip	SD 40x52x5

Performance	
Basic dynamic load rating	55 kN
Basic static load rating	90 kN
Reference speed	10000 r/min
Limiting speed	11000 r/min
SKF performance class	SKF Explorer

Properties	
Bearing part	Bearing without inner ring
Number of rows	2
Outer ring type	Machined (solid)
Aligning feature	Without
Cage	Sheet steel
Number of flanges, outer ring	3
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With
Indicative carbon footprint for new product	0.6 kg CO ₂

Logistics	
Product net weight	0.167 kg
eClass code	23-05-09-03

SKF drawings

