



SKF RNA 6914

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	80 mm
Outside diameter	100 mm
Width	54 mm
Chamfer dimension outer ring	1 mm
Bore diameter of needle roller complement	80 mm

Abutment dimensions	
Diameter of housing abutment	95 mm
Fillet radius	1 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	146 kN
Basic static load rating	285 kN
Fatigue load limit	36 kN
Reference speed	5000 r/min
Limiting speed	5600 r/min

Associated seals	
Radial shaft seal	80x100x10 HMS5 RG

Performance	
Basic dynamic load rating	146 kN
Basic static load rating	285 kN
Reference speed	5000 r/min
Limiting speed	5600 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	3.1 kg CO ₂ e

Logistics	
Product net weight	0.857 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings



