



SKF K 35X42X18

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	35 mm
Outside diameter roller complement	42 mm
Width needle roller and cage assembly	18 mm
Bore diameter of needle roller complement	35 mm
Outside diameter	42 mm
Outside diameter of needle roller complement	42 mm
Width	18 mm

Calculation data	
Basic dynamic load rating	26.4 kN
Basic static load rating	44 kN
Fatigue load limit	5.3 kN
Reference speed	11000 r/min
Limiting speed	13000 r/min

Associated products	
Designation associated G design radial shaft seal with a low cross-sectional height	G 35x42x4
Designation associated SD design radial shaft seal with a low cross-sectional height	SD 35x42x4

Performance	
Basic dynamic load rating	26.4 kN
Basic static load rating	44 kN
Reference speed	11000 r/min
Limiting speed	13000 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	0.12 kg CO ₂ e

Logistics	
Product net weight	0.0338 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

