



SKF NKX 17

Combined needle roller / thrust ball bearing

These bearings consist of a radial needle roller bearing combined with a thrust ball bearing. Together they can accommodate both radial loads and axial loads in one direction. In addition, they can operate at relatively high speeds. Their low cross-sectional height makes the bearings particularly suitable for applications where other types of locating bearing arrangements occupy too much space.

Technical specifications

Dimensions	
Diameter under rollers	17 mm
Outside diameter	26 mm
Width	25 mm
Width of thrust part	9 mm
Distance side face to lubrication hole	8 mm
Bore diameter of thrust part	17 mm
Diameter of flange	30.1 mm
Chamfer dimension	0.3 mm
Bore diameter	17 mm

Abutment dimensions	
Diameter of shaft abutment	25.7 mm
Radius of fillet	0.3 mm
Radius of fillet	0.3 mm
Bore diameter of associated inner ring	14 mm
Diameter of inner ring raceway	17 mm
Width of associated inner ring	17 mm

Calculation data	
Basic dynamic load rating, radial	12.1 kN
Basic static load rating, radial	16.6 kN
Basic dynamic load rating, axial	10.8 kN
Basic static load rating, axial	19.6 kN
Fatigue load limit, radial	1.96 kN
Fatigue load limit, axial	0.735 kN
Minimum axial load factor	0.002
Reference speed	8500 r/min
Limiting speed	12000 r/min

Associated products	
Inner ring	IR 14x17x17

Performance	
Reference speed	8500 r/min
Limiting speed	12000 r/min

Properties	
Rolling bearing type	Needle roller / thrust ball bearing
Bearing part	Radial part without inner ring
Thrust part	With cage
Radial part	With cage
Rolling element (thrust part)	Balls
Axial load capability	Single-direction
Tolerance class	Other
Material, bearing	Bearing steel
Coating	Without
Lubricant (thrust part)	None

Indicative carbon footprint for new product

0.19 kg CO₂e

Logistics

Product net weight

0.053 kg

eClass code

23-05-09-03

UNSPSC code

31171512

