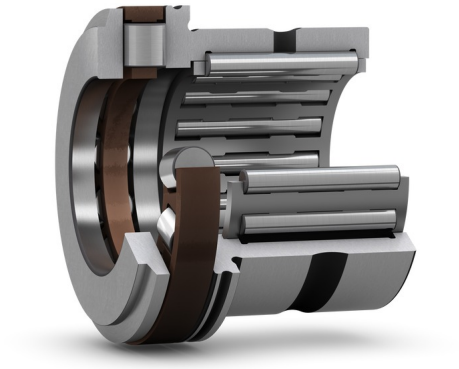


NKXR 40Combined needle roller / cylindrical roller thrust bearing

Combined needle roller / cylindrical roller thrust bearing

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

- Accommodate radial and axial loads in one direction
- High load carrying capacity
- Low cross section
- Separable design

Overview

Dimensions

Bore diameter	40 mm
Outside diameter	52 mm
Width	32 mm

Performance

Reference speed	2 400 r/min
Limiting speed	5 000 r/min

Properties

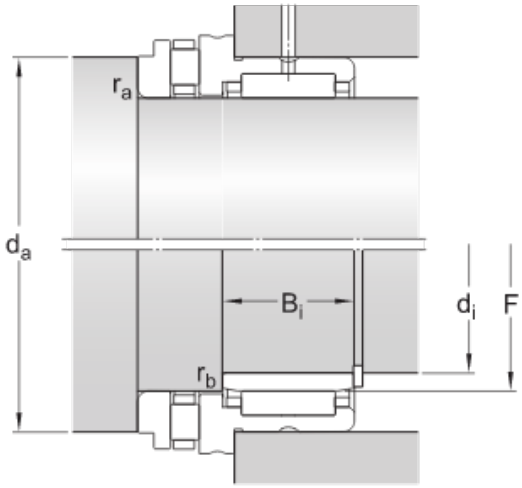
Bearing part	Radial part without inner ring
Thrust part	With cage
Radial part	With cage
Axial load capability	Single-direction
Rolling element (thrust part)	Rollers
Tolerance class	Other
Material, bearing	Bearing steel
Coating	Without
Lubricant (thrust part)	None

Technical Specification

NOT FOUND

Dimensions

F_w	40 mm	Diameter under rollers
D	52 mm	Outside diameter
C	32 mm	Width
C_1	13 mm	Width of thrust part
C_1	10 mm	Distance side face to lubrication hole
d	40 mm	Bore diameter of thrust part
D_1	60.1 mm	Diameter of flange
$r_{1,2}$	min. 0.6 mm	Chamfer dimension



Abutment dimensions

d_a	min. 55.7 mm	Diameter of shaft abutment
r_a	max. 0.6 mm	Radius of fillet
r_b	max. 0.3 mm	Radius of fillet
d_i	35 mm	Bore diameter of associated inner ring
F	40 mm	Diameter of inner ring raceway
B_i	20 mm	Width of associated inner ring

Calculation data

Basic dynamic load rating, radial	C	26.4 kN
Basic static load rating, radial	C_0	51 kN
Basic dynamic load rating, axial	C	43 kN
Basic static load rating, axial	C_0	137 kN
Fatigue load limit, radial	P_u	6.3 kN
Fatigue load limit, axial	P_u	13.7 kN
Minimum axial load factor	A	0.0015

Reference speed	2 400 r/min
Limiting speed	5 000 r/min

Mass

Mass	0.2 kg

Associated products

Inner ring	IR 35x40x20

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