

NX 17 ZCombined needle roller / thrust ball bearing (full complement thrust part) with a cover

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These bearings consist of a radial needle roller bearing combined with a full complement thrust ball bearing. Together they can accommodate both moderate radial loads and lighter 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. The thrust part is capped with a cover that forms a gap-type seal to retain the grease in the bearings.

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

Overview

Dimensions

Bore diameter	17 mm
Outside diameter	26 mm
Width	28 mm

Performance

Reference speed	7 000 r/min
Limiting speed	5 000 r/min

Properties

Rolling bearing type	Needle roller / full complement thrust ball bearing
Bearing part	Radial part without inner ring
Thrust part	Without cage
Radial part	With cage
Rolling element (thrust part)	Balls
Axial load capability	Single-direction

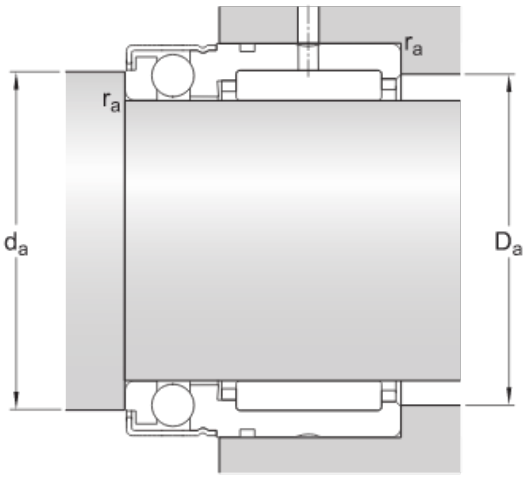
Tolerance class	Other
Material, bearing	Bearing steel
Coating	Without
Special feature	Thrust part with stamped steel cover without lubrication holes
Lubricant (thrust part)	Grease

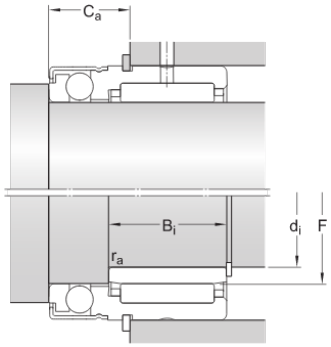
Technical Specification

NOT FOUND

Dimensions

F_w	17 mm	Diameter under rollers
D	26 mm	Outside diameter
C	28 mm	Width
C_1	8 mm	Distance side face to lubrication hole
d	17 mm	Bore diameter of thrust part
$r_{1,2}$	min. 0.3 mm	Chamfer dimension





Abutment dimensions

d_a	min. 21 mm	Diameter of shaft abutment
D_a	max. 24 mm	Diameter of housing abutment
C_a	12.2 mm	Distance side face to back face of snap ring
r_a	max. 0.3 mm	Radius of fillet
d_i	14 mm	Bore diameter of associated inner ring
F	17 mm	Diameter of inner ring raceway
B_i	17 mm	Width of associated inner ring

Calculation data

Basic dynamic load rating, radial	C	12.1 kN
Basic static load rating, radial	C_0	16.6 kN
Basic dynamic load rating, axial	C	6.37 kN
Basic static load rating, axial	C_0	13.4 kN
Fatigue load limit, radial	P_u	1.96 kN
Fatigue load limit, axial	P_u	0.5 kN
Minimum axial load factor	A	0.00093
Reference speed		7 000 r/min
Limiting speed		5 000 r/min

Mass

Mass	0.053 kg

Associated products

Inner ring	IR 14x17x17
Snap ring	SW 26

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