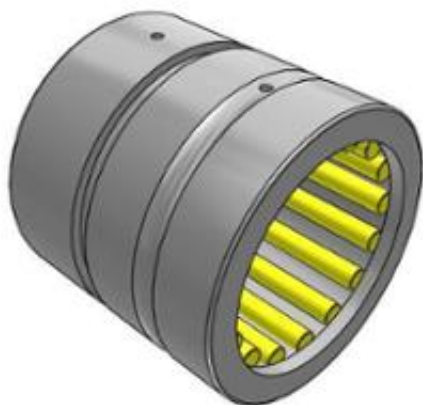




NX 20

Needle roller / thrust rolling bearings

Bearing data

[Tolerances,](#)

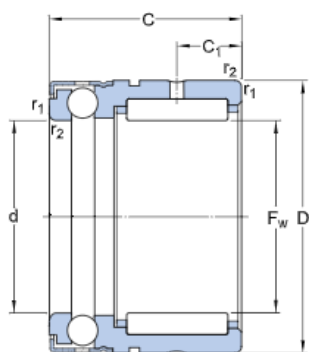
Normal, ISO - F6 (Fw) + E8 (d), thrust bearing,

[Radial internal clearance,](#)
table

Design considerations

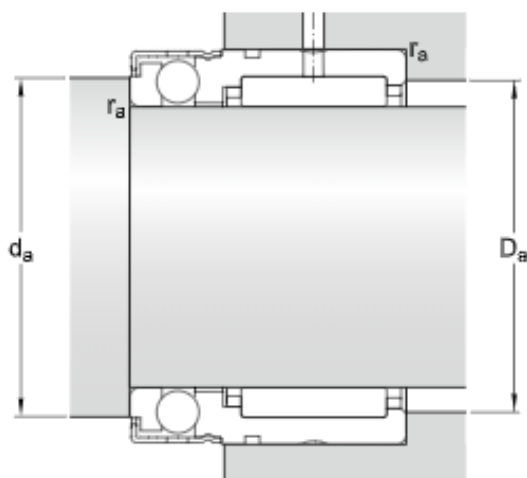
[Shaft and housing tolerances,](#)
table

Technical specification



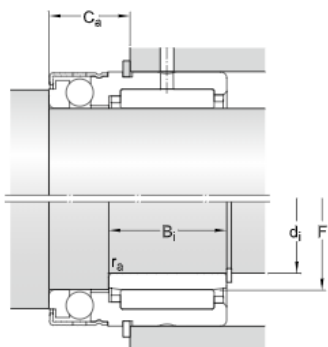
DIMENSIONS

F_w	20 mm
D	30 mm
C	28 mm
C_1	8 mm
d	20 mm
$r_{1,2}$	min. 0.3 mm



ABUTMENT DIMENSIONS

d_a	min. 25 mm
D_a	max. 28 mm
C_a	12.2 mm
r_a	max. 0.3 mm
d_i	17 mm
F	20 mm
B_i	16 mm



CALCULATION DATA

Basic dynamic load rating, radial direction	C	13.2 kN
Basic static load rating, radial direction	C ₀	19.3 kN
Basic dynamic load rating, axial direction	C	7.8 kN
Basic static load rating, axial direction	C ₀	17.3 kN
Fatigue load limit, radial direction	P _u	2.28 kN
Fatigue load limit, axial direction	P _u	0.64 kN
Minimum axial load factor	A	0.002
Reference speed		6 300 r/min
Limiting speed		7 500 r/min

MASS

Mass bearing	0.068 kg
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ASSOCIATED PRODUCTS

Inner ring	IR 17x20x16
Snap ring	SW 30

More information

Product details

[Needle roller / angular contact ball bearings](#)[Needle roller / thrust ball bearings](#)[Needle roller / cylindrical roller thrust bearings](#)[Bearing data](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Design considerations](#)[Designation system](#)

Engineering information

[Principles of rolling bearing selection](#)[General bearing knowledge](#)[Bearing selection process](#)[Bearing failure and how to prevent it](#)

Tools

[SimPro Quick](#)[Bearing Select](#)[Engineering Calculator](#)[LubeSelect for SKF greases](#)[Heater Selection Tool](#)[skf.com/mount](#)

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