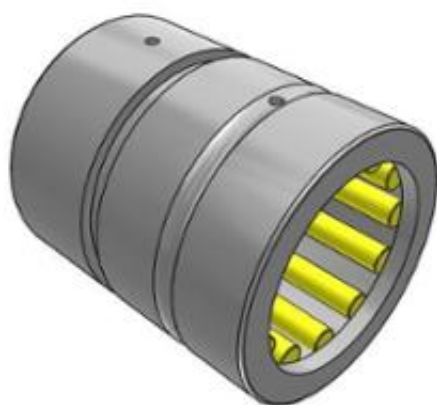




NX 15 Z

Needle roller / thrust rolling bearings

Bearing data

[Tolerances,](#)

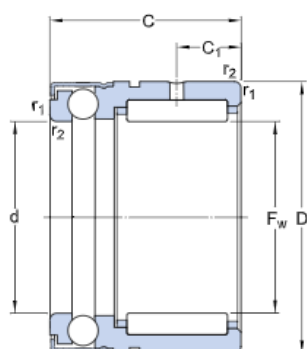
Normal, ISO - F6 (Fw) + E8 (d), thrust bearing,

[Radial internal clearance,](#)
table

Design considerations

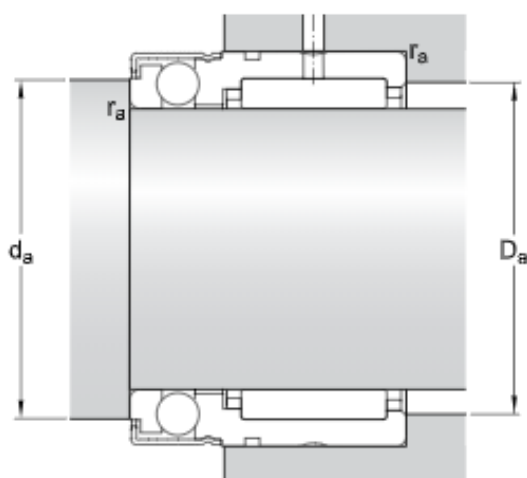
[Shaft and housing tolerances,](#)
table

Technical specification



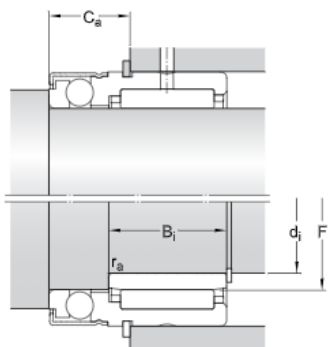
DIMENSIONS

F_w	15 mm
D	24 mm
C	28 mm
C_1	8 mm
d	15 mm
$r_{1,2}$	min. 0.3 mm



ABUTMENT DIMENSIONS

d_a	min. 19 mm
D_a	max. 22 mm
C_a	12.2 mm
r_a	max. 0.3 mm
d_i	12 mm
F	15 mm
B_i	16 mm



CALCULATION DATA

Basic dynamic load rating, radial direction	C	11 kN
Basic static load rating, radial direction	C ₀	14 kN
Basic dynamic load rating, axial direction	C	6.18 kN
Basic static load rating, axial direction	C ₀	12.2 kN
Fatigue load limit, radial direction	P _u	1.66 kN
Fatigue load limit, axial direction	P _u	0.45 kN
Minimum axial load factor	A	0.001
Reference speed		7 500 r/min
Limiting speed		5 300 r/min

MASS

Mass bearing	0.048 kg
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ASSOCIATED PRODUCTS

Inner ring	IR 12x15x16
Snap ring	SW 24

More information

Product details	Engineering information	Tools
Needle roller / angular contact ball bearings	Principles of rolling bearing selection	SimPro Quick
Needle roller / thrust ball bearings	General bearing knowledge	Bearing Select
Needle roller / cylindrical roller thrust bearings	Bearing selection process	Engineering Calculator
Bearing data	Bearing failure and how to prevent it	LubeSelect for SKF greases
Loads		Heater Selection Tool
Temperature limits		skf.com/mount
Permissible speed		
Design considerations		
Designation system		

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