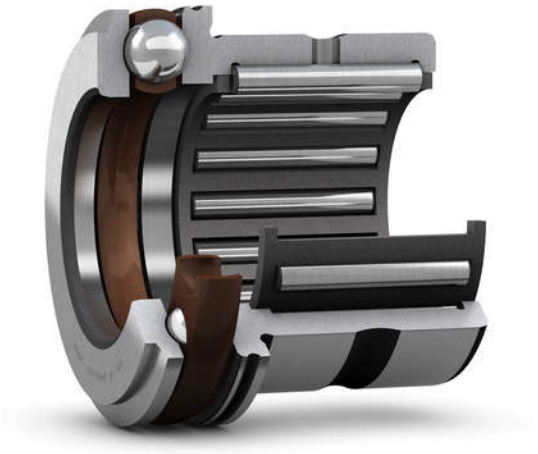


NKX 70 Z

Popular item

Needle roller / thrust rolling bearings

Bearing data

Tolerances,

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

Radial internal clearance,

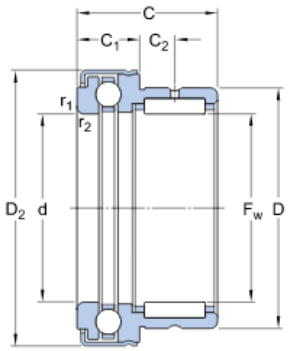
table

Design considerations

Shaft and housing tolerances,

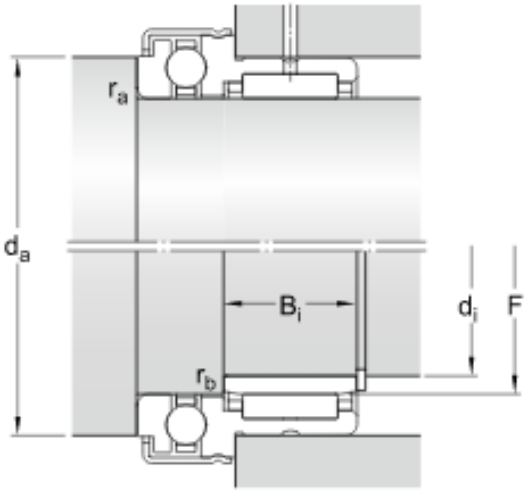
table

Technical specification



DIMENSIONS

F_w	70 mm
D	85 mm
C	40 mm
C_1	18 mm
C_2	11 mm
d	70 mm
D_2	96.5 mm
$r_{1,2}$	min. 1 mm



ABUTMENT DIMENSIONS

d_a	min. 90.5 mm
r_a	max. 1 mm
r_b	max. 1 mm
d_i	60 mm
F	70 mm
B_i	25 mm

CALCULATION DATA

Basic dynamic load rating, radial direction	C	44.6 kN
Basic static load rating, radial direction	C_0	98 kN
Basic dynamic load rating, axial direction	C	43.6 kN
Basic static load rating, axial direction	C_0	137 kN
Fatigue load limit, radial direction	P_u	12.2 kN
Fatigue load limit, axial direction	P_u	5.1 kN
Minimum axial load factor	A	0.097
Reference speed		3400 r/min
Limiting speed		2700 r/min

MASS

Mass bearing	0.52 kg

ASSOCIATED PRODUCTS

Inner ring	IR 60x70x25

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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