

NKX 70

Popular item

Needle roller / thrust rolling bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

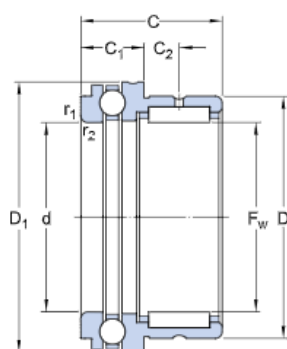
table

Design considerations

[Shaft and housing tolerances,](#)

table

Technical specification

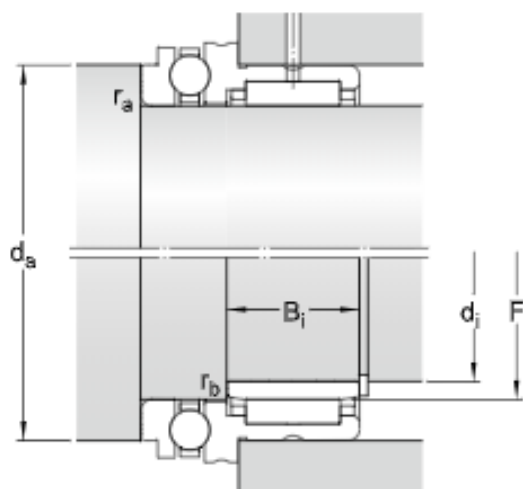


DIMENSIONS

F_w	70 mm
D	85 mm
C	40 mm
C_1	18 mm
C_2	11 mm
d	70 mm
D_1	95.2 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		3 400 r/min
Limiting speed		4 500 r/min

MASS

Mass bearing	0.5 kg
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ASSOCIATED PRODUCTS

Inner ring	IR 60x70x25
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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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