



NKS 40

Popular item

Needle roller bearings with machined rings, without an inner ring

Bearing data

[Tolerances,](#)

Normal, P6, P5, ISO - F6 (Fw),

[Radial internal clearance,](#)

table

Design considerations

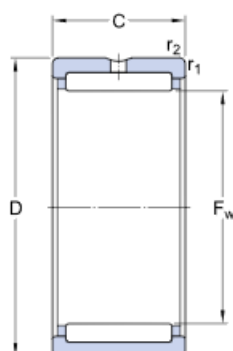
[Housing tolerances,](#)

table,

[Shaft tolerances,](#)

[Operating clearance](#)

Technical specification

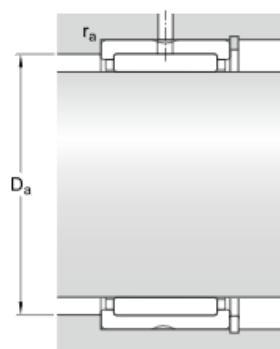


DIMENSIONS

F_w	40 mm
D	55 mm
C	22 mm
$r_{1,2}$	min. 0.6 mm

ABUTMENT DIMENSIONS

D_a	max. 51 mm
r_a	max. 0.6 mm



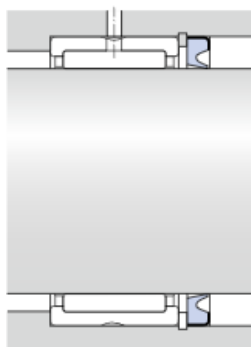
CALCULATION DATA

Basic dynamic load rating	C	38 kN
Basic static load rating	C ₀	57 kN
Fatigue load limit	P _u	7.1 kN
Reference speed		9500 r/min
Limiting speed		11000 r/min

MASS

Mass bearing	0.13 kg
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ASSOCIATED SEALS



Radial shaft seal	40x55x7 HMS5 RG
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More information

Product details

[Designs and variants](#)[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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