



NK 45/20 TN

- Popular item

Needle roller bearings with machined rings, without an inner ring

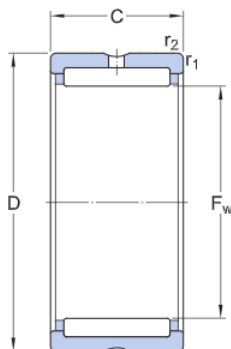
Bearing data

[Tolerances](#),
Normal, P6, P5, ISO - F6 (Fw),
[Radial internal clearance](#),
table

Design considerations

[Housing tolerances](#),
table,
[Shaft tolerances](#),
[Operating clearance](#)

Technical specification

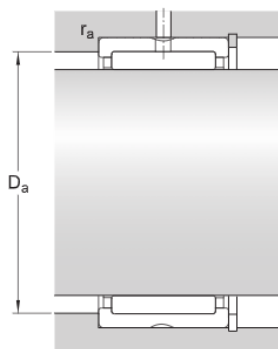


DIMENSIONS

F_w	45 mm	Diameter under rollers
D	55 mm	Outside diameter
C	20 mm	Width
$r_{1,2}$	min.0.3 mm	Chamfer dimension outer ring

ABUTMENT DIMENSIONS

D_a	max.53 mm	Abutment diameter housing (with flanges)
r_a	max.0.3 mm	Fillet radius



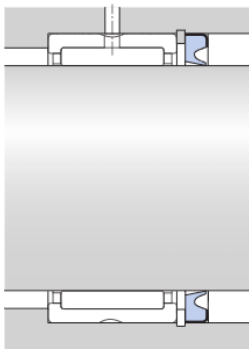
CALCULATION DATA

Basic dynamic load rating	C	31.4 kN
Basic static load rating	C ₀	65.5 kN
Fatigue load limit	P _u	8.3 kN
Reference speed		9 000 r/min
Limiting speed		10 000 r/min

MASS

Mass bearing	0.085 kg
--------------	----------

ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 45x55x4	Radial shaft seal with a low cross-sectional height, single lip
Radial shaft seal with a low cross-sectional height, double lip	SD 45x55x4	Radial shaft seal with a low cross-sectional height, double lip