



# HK 5520

- Popular item

## Drawn cup needle roller bearings

### Bearing data

[Tolerances,](#)

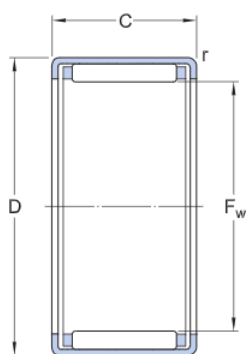
table

### Design considerations

[Shaft and housing tolerances,](#)

table

## Technical specification



### DIMENSIONS

$F_w$	55 mm	Diameter under rollers
D	63 mm	Outside diameter
C	20 mm	Width
r	min.0.8 mm	Chamfer dimension drawn cup (outer ring)

## CALCULATION DATA

Basic dynamic load rating	C	30.3 kN
Basic static load rating	$C_0$	67 kN
Fatigue load limit	$P_u$	8.3 kN
Reference speed		4 500 r/min
Limiting speed		5 000 r/min

## MASS

Mass bearing	0.074 kg
--------------	----------

## ASSOCIATED PRODUCTS

Inner ring LR series

LR 50x55x20.5

Radial shaft seal with a low  
cross-sectional height, single lipG  
55x63x5

## More information

## Product details

[Designs and variants](#)[Bearing data](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Design considerations](#)[Mounting](#)[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](#)