

K 8X12X10 TN

Needle roller and cage assemblies

Bearing data

[Tolerances,](#)

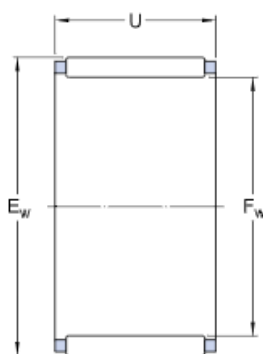
[gauges,](#)

[Radial internal clearance](#)

Design considerations

[Shaft and housing tolerances](#)

Technical specification



DIMENSIONS

F_w	8 mm
E_w	12 mm
U	10 mm

CALCULATION DATA

Basic dynamic load rating	C	4.84 kN
Basic static load rating	C_0	4.75 kN
Fatigue load limit	P_u	0.54 kN
Reference speed		30 000 r/min
Limiting speed		34 000 r/min

MASS

Mass needle roller and cage assembly	0.002 kg
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ASSOCIATED PRODUCTS

Designation associated G design radial shaft seal with a low cross-sectional height

G 8x12x3

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](#)

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