

K 4X7X10 TN

Needle roller and cage assemblies

Bearing data

[Tolerances,](#)

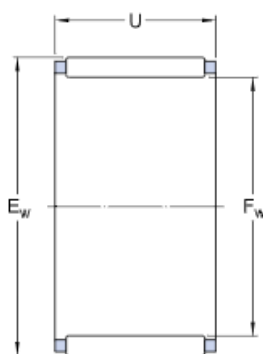
[gauges,](#)

[Radial internal clearance](#)

Design considerations

[Shaft and housing tolerances](#)

Technical specification



DIMENSIONS

F_w	4 mm
E_w	7 mm
U	10 mm

CALCULATION DATA

Basic dynamic load rating	C	2.29 kN
Basic static load rating	C_0	1.9 kN
Fatigue load limit	P_u	0.204 kN
Reference speed		36 000 r/min
Limiting speed		43 000 r/min

MASS

Mass needle roller and cage assembly	0.001 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater Selection Tool
Design considerations		
Designation system		

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