



RPNA 18/32

Alignment needle roller bearings, without an inner ring

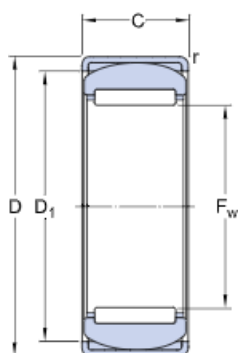
Bearing data

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

Design considerations

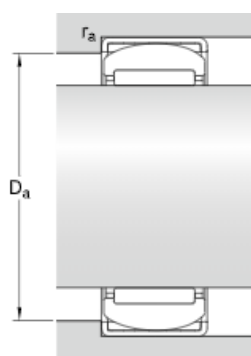
[Shaft and housing tolerances](#),
table

Technical specification



DIMENSIONS

F_w	18 mm
D	32 mm
C	16 mm
D_1	27 mm
r	min. 0.8 mm



ABUTMENT DIMENSIONS

D_a	min. 26 mm
D_a	max. 27 mm
r_a	max. 0.8 mm

CALCULATION DATA

Basic dynamic load rating	C	12.8 kN
Basic static load rating	C ₀	17.6 kN
Fatigue load limit	P _u	2.12 kN
Reference speed		22 000 r/min
Limiting speed		24 000 r/min

MASS

Mass bearing	0.052 kg
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More information

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