



## RPNA 15/28

### Alignment needle roller bearings, without an inner ring

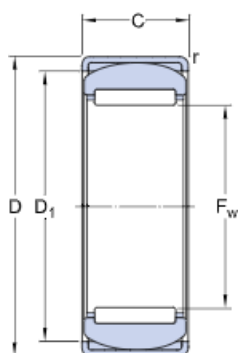
#### Bearing data

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

#### Design considerations

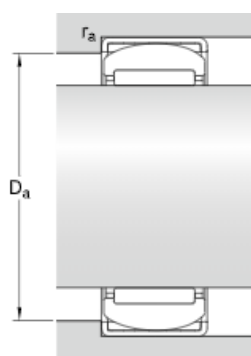
[Shaft and housing tolerances](#),  
table

### Technical specification



#### DIMENSIONS

$F_w$	15 mm
$D$	28 mm
$C$	12 mm
$D_1$	24.5 mm
$r$	min. 0.8 mm



#### ABUTMENT DIMENSIONS

$D_a$	min. 23.5 mm
$D_a$	max. 24.5 mm
$r_a$	max. 0.8 mm

## CALCULATION DATA

Basic dynamic load rating	C	7.37 kN
Basic static load rating	C <sub>0</sub>	9.15 kN
Fatigue load limit	P <sub>u</sub>	1.08 kN
Reference speed		24 000 r/min
Limiting speed		28 000 r/min

## MASS

Mass bearing	0.032 kg
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## More information

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