



## PNA 20/42

Popular item

### Alignment needle roller bearings, with an inner ring

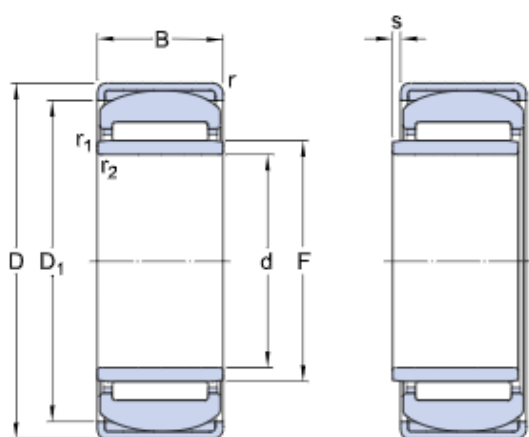
#### Bearing data

[Tolerances](#),  
Normal,  
[Radial internal clearance](#),  
table

#### Design considerations

[Shaft and housing tolerances](#),  
table

### Technical specification

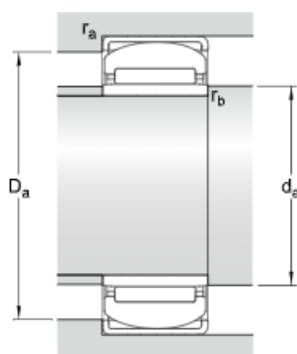


#### DIMENSIONS

d	20 mm
D	42 mm
B	20 mm
F	25 mm
D <sub>1</sub>	36.5 mm
r	min. 0.8 mm
r <sub>1,2</sub>	min. 0.3 mm
s	max. 0.5 mm

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 22 mm
D <sub>a</sub>	min. 35 mm
D <sub>a</sub>	max. 37 mm
r <sub>a</sub>	max. 0.8 mm
r <sub>b</sub>	max. 0.3 mm



## CALCULATION DATA

Basic dynamic load rating	C	19 kN
Basic static load rating	C <sub>0</sub>	32.5 kN
Fatigue load limit	P <sub>u</sub>	4 kN
Reference speed		16 000 r/min
Limiting speed		18 000 r/min

## MASS

Mass bearing	0.14 kg
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Designation	PNA 20/42
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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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