



## 3302 ATN9

Popular item

### Angular contact ball bearings, double row

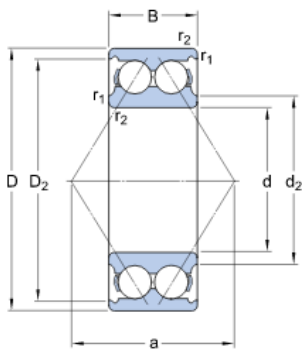
#### Bearing data

Tolerances,  
Normal, P6, P5,  
Internal clearance,  
table, drawing no

#### Bearing interfaces

Seat tolerances for standard  
conditions,  
Tolerances and resultant fit

### Technical specification

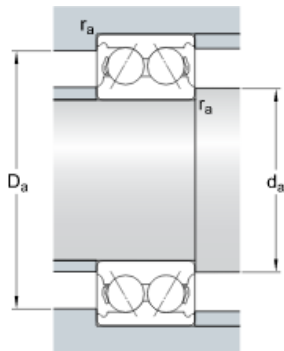


#### DIMENSIONS

d	15 mm
D	42 mm
B	19 mm
d <sub>2</sub>	≈ 23.7 mm
D <sub>2</sub>	≈ 35.65 mm
r <sub>1,2</sub>	min. 1 mm
a	24 mm

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 20.6 mm
D <sub>a</sub>	max. 36.4 mm
r <sub>a</sub>	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	C	15.1 kN
Basic static load rating	$C_0$	9.3 kN
Fatigue load limit	$P_u$	0.4 kN
Reference speed		18000 r/min
Limiting speed		16000 r/min
Calculation factor	$k_f$	0.07
Calculation factor	e	0.8
Calculation factor	X	0.63
Calculation factor	$Y_0$	0.66
Calculation factor	$Y_1$	0.78
Calculation factor	$Y_2$	1.24

## MASS

Mass bearing	0.13 kg
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## More information

Product details	Engineering information	Tools
<a href="#">Designs and variants</a> <hr/>	<a href="#">Principles of rolling bearing selection</a> <hr/>	<a href="#">Bearing Select</a> <hr/>
<a href="#">Bearing data</a> <hr/>	<a href="#">General bearing knowledge</a> <hr/>	<a href="#">SimPro Quick</a> <hr/>
<a href="#">Loads</a> <hr/>	<a href="#">Bearing selection process</a> <hr/>	<a href="#">Engineering Calculator</a> <hr/>
<a href="#">Temperature limits</a> <hr/>	<a href="#">Bearing interfaces</a> <hr/>	<a href="#">LubeSelect for SKF greases</a> <hr/>
<a href="#">Permissible speed</a> <hr/>	<a href="#">Seat tolerances for standard conditions</a> <hr/>	<a href="#">Heater selection tool</a> <hr/>
<a href="#">Designation system</a> <hr/>	<a href="#">Selecting internal clearance or preload</a> <hr/>	<a href="#">Rolling bearings mounting and dismounting instructions</a> <hr/>
	<a href="#">Lubrication</a> <hr/>	
	<a href="#">Sealing, mounting and dismounting</a> <hr/>	
	<a href="#">Bearing failure and how to prevent it</a> <hr/>	

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