



## 3302 A-2RS1TN9/MT33

- Popular item

### Angular contact ball bearings, double row

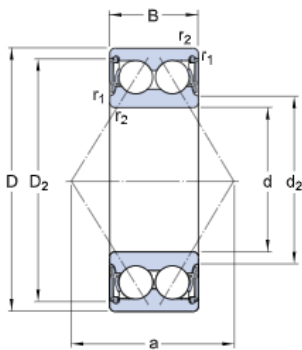
#### Bearing data

[Tolerances](#),  
Normal, P6, P5,  
[Internal clearance](#),  
table, drawing no

#### Bearing interfaces

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

### Technical specification

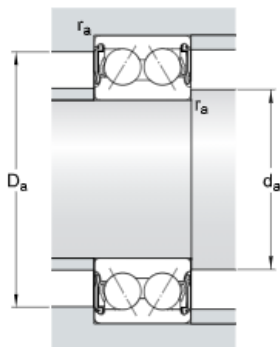


#### DIMENSIONS

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	19 mm	Width
d2	≈23.7 mm	Recess diameter inner ring shoulder
D2	≈35.65 mm	Recess diameter outer ring shoulder
r1,2	min.1 mm	Chamfer dimension inner ring
a	24 mm	Distance pressure point(s)

#### ABUTMENT DIMENSIONS

da	min.20.6 mm	Abutment diameter shaft
da	max.23.5 mm	Abutment diameter shaft
Da	max.36.4 mm	Abutment diameter housing
ra	max.1 mm	Fillet radius



## 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
Limiting speed		12 000 r/min
Calculation factor	$k_r$	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>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Bearing Select</a>
<a href="#">Bearing data</a>	<a href="#">General bearing knowledge</a>	<a href="#">SimPro Quick</a>
<a href="#">Loads</a>	<a href="#">Bearing selection process</a>	<a href="#">Engineering Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Bearing interfaces</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Permissible speed</a>	<a href="#">Seat tolerances for standard conditions</a>	<a href="#">Heater selection tool</a>
<a href="#">Designation system</a>	<a href="#">Selecting internal clearance or preload</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
	<a href="#">Lubrication</a>	
	<a href="#">Sealing, mounting and dismounting</a>	
	<a href="#">Bearing failure and how to prevent it</a>	

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