



## W 6300-2RS1

Popular item

### Deep groove ball bearings

#### Bearing data

[Tolerances,](#)

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

### Technical specification



#### DIMENSIONS

d	10 mm
D	35 mm
B	11 mm
d <sub>1</sub>	≈ 17.7 mm
d <sub>2</sub>	≈ 17.7 mm
D <sub>2</sub>	≈ 29.3 mm
r <sub>1,2</sub>	min. 0.6 mm



#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 14 mm
d <sub>a</sub>	max. 17.5 mm
D <sub>a</sub>	max. 31 mm
r <sub>a</sub>	max. 0.6 mm

## CALCULATION DATA

Basic dynamic load rating	C	7.02 kN
Basic static load rating	$C_0$	3.4 kN
Fatigue load limit	$P_u$	0.146 kN
Limiting speed		15 000 r/min
Calculation factor	$k_r$	0.035
Calculation factor	$f_0$	11.2

## MASS

Mass bearing	0.052 kg
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## More information

<p>Product details</p> <ul style="list-style-type: none"> <li><a href="#">Single row deep groove ball bearings</a></li> <li><a href="#">Stainless steel deep groove ball bearings</a></li> <li><a href="#">Single row deep groove ball bearings with filling slots</a></li> <li><a href="#">Double row deep groove ball bearings</a></li> <li><a href="#">Bearing data</a></li> <li><a href="#">Loads</a></li> <li><a href="#">Temperature limits</a></li> <li><a href="#">Permissible speed</a></li> <li><a href="#">Designation system</a></li> </ul>	<p>Engineering information</p> <ul style="list-style-type: none"> <li><a href="#">Principles of rolling bearing selection</a></li> <li><a href="#">General bearing knowledge</a></li> <li><a href="#">Bearing selection process</a></li> <li><a href="#">Bearing interfaces</a></li> <li><a href="#">Seat tolerances for standard conditions</a></li> <li><a href="#">Selecting internal clearance</a></li> <li><a href="#">Lubrication</a></li> <li><a href="#">Sealing, mounting and dismounting</a></li> <li><a href="#">Bearing failure and how to prevent it</a></li> </ul>	<p>Tools</p> <ul style="list-style-type: none"> <li><a href="#">Bearing Select</a></li> <li><a href="#">SimPro Quick</a></li> <li><a href="#">Engineering Calculator</a></li> <li><a href="#">LubeSelect for SKF greases</a></li> <li><a href="#">Heater selection tool</a></li> <li><a href="#">Rolling bearings mounting and dismounting instructions</a></li> </ul>
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