

# W 6300-2RS1

Popular item

# Deep groove ball bearings

Bearing data

Tolerances,

Normal (metric), P6, P5, Normal (inch), Radial internal clearance,

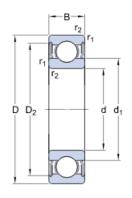
 $\label{eq:matched_pairs} \begin{tabular}{ll} Matched bearing pairs, Stainless steel \\ d < 10 mm, Other bearings \end{tabular}$ 

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fits

# Technical specification

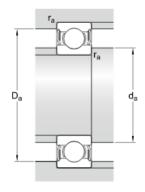


### **DIMENSIONS**

d	10 mm
D	35 mm
В	11 mm
$d_1$	≈ 17.7 mm
$d_2$	≈ 17.7 mm
$D_2$	≈ 29.3 mm
r <sub>1,2</sub>	min. 0.6 mm

## ABUTMENT DIMENSIONS

min. 14 mm	da
max. 17.5 mm	$d_a$
max. 31 mm	$D_a$
max. 0.6 mm	r <sub>a</sub>





### CALCULATION DATA

Basic dynamic load rating	С	7.02 kN
Basic static load rating	$C_0$	3.4 kN
Fatigue load limit	$P_{u}$	0.146 kN
Limiting speed		15000 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

Product details	Engineering information	Tools
Single row deep groove ball bearings	Principles of rolling bearing selection	Bearing Select
Stainless steel deep groove	General bearing knowledge	SimPro Quick
ball bearings	Bearing selection process	Engineering Calculator
Single row deep groove ball bearings with filling slots	Bearing interfaces	LubeSelect for SKF greases
Double row deep groove ball bearings	Seat tolerances for	Heater selection tool
Bearing data	standard conditions  Selecting internal clearance	Rolling bearings mounting and dismounting
Loads	Lubrication	instructions
Temperature limits	Sealing, mounting and	
Permissible speed	dismounting	
Designation system	Bearing failure and how to prevent it	



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