

# 6032-2RS1 Deep groove ball bearings

- Popular item

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

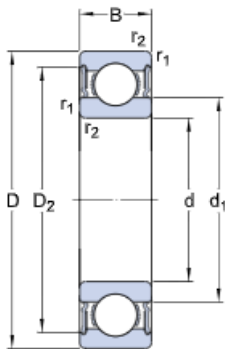
Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

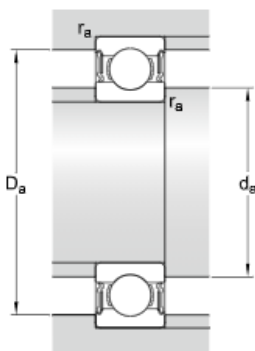


### DIMENSIONS

d	160 mm	Bore diameter
D	240 mm	Outside diameter
B	38 mm	Width
d <sub>1</sub>	≈ 185.7 mm	Shoulder diameter
D <sub>2</sub>	≈ 218.9 mm	Recess diameter
r <sub>1,2</sub>	min. 2.1 mm	Chamfer dimension

### ABUTMENT DIMENSIONS

d <sub>ε</sub> min.	169 mm	Diameter of shaft abutment
d <sub>ε</sub> max.	185 mm	Diameter of shaft abutment
D <sub>i</sub> max.	231 mm	Diameter of housing abutment
r <sub>a</sub> max.	2 mm	Radius of shaft or housing fillet



## CALCULATION DATA

C	143 kN	Basic dynamic load rating
C <sub>0</sub>	143 kN	Basic static load rating
P <sub>u</sub>	4.3 kN	Fatigue load limit
	1 600 r/min	Limiting speed
k <sub>r</sub>	0.025	Minimum load factor
f <sub>0</sub>	15.9	Calculation factor

## MASS

	5.32 kg	Mass bearing
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## TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out