



# 6232 M Deep groove ball bearings

- Popular item

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

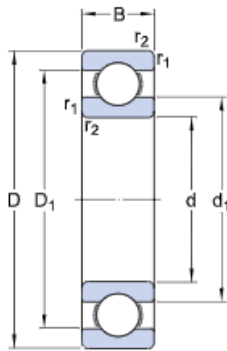
Matched bearing pairs, Stainless steel  
 $d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

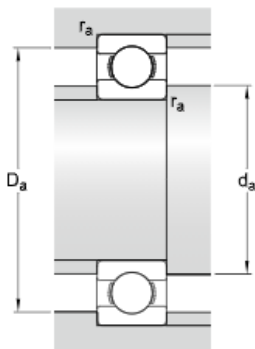


### DIMENSIONS

d	160 mm	Bore diameter
D	290 mm	Outside diameter
B	48 mm	Width
$d_1$	≈ 205.65 mm	Shoulder diameter
$D_1$	≈ 242.35 mm	Shoulder diameter
$r_{1,2}$	min. 3 mm	Chamfer dimension

### ABUTMENT DIMENSIONS

$d_s$ min.	174 mm	Diameter of shaft abutment
$D_i$ max.	276 mm	Diameter of housing abutment
$r_a$ max.	2.5 mm	Radius of shaft or housing fillet



## CALCULATION DATA

C	186 kN	Basic dynamic load rating
C <sub>0</sub>	186 kN	Basic static load rating
P <sub>u</sub>	5.3 kN	Fatigue load limit
	4 500 r/min	Reference speed
	4 300 r/min	Limiting speed
k <sub>r</sub>	0.025	Minimum load factor
f <sub>0</sub>	15	Calculation factor

## MASS

	14.1 kg	Mass bearing
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## TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out