



# 6030 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

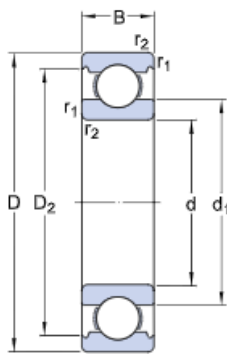
$d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

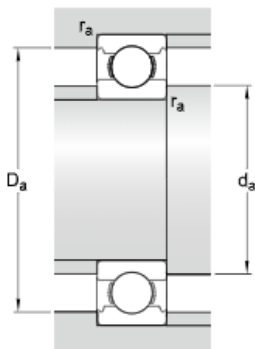


### DIMENSIONS

d	150 mm	Bore diameter
D	225 mm	Outside diameter
B	35 mm	Width
$d_1$	≈ 174.15 mm	Shoulder diameter
$D_2$	≈ 205.3 mm	Recess diameter
$r_{1,2}$	min. 2.1 mm	Chamfer dimension

### ABUTMENT DIMENSIONS

$d_c$	min. 160 mm	Diameter of shaft abutment
$D_i$	max. 215 mm	Diameter of housing abutment
$r_a$	max. 2 mm	Radius of shaft or housing fillet



## CALCULATION DATA

C	125 kN	Basic dynamic load rating
C <sub>0</sub>	125 kN	Basic static load rating
P <sub>u</sub>	3.9 kN	Fatigue load limit
	6 000 r/min	Reference speed
	3 800 r/min	Limiting speed
k <sub>r</sub>	0.025	Minimum load factor
f <sub>0</sub>	15.9	Calculation factor

## MASS

	4.29 kg	Mass bearing
--	---------	--------------

## TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out