



6336 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

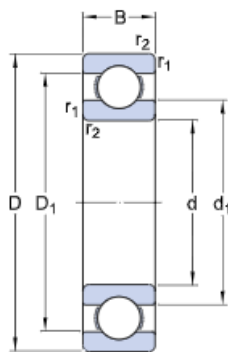
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

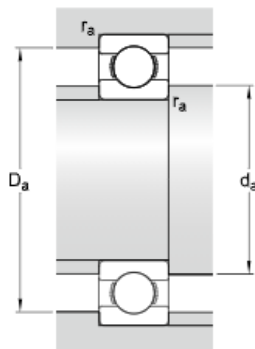


DIMENSIONS

d	180 mm	Bore diameter
D	380 mm	Outside diameter
B	75 mm	Width
d_1	≈ 244.6 mm	Shoulder diameter
D_1	≈ 314.2 mm	Shoulder diameter
$r_{1,2}$	min. 4 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d_c min. 197 mm	Diameter of shaft abutment
D_i max. 363 mm	Diameter of housing abutment
r_a max. 3 mm	Radius of shaft or housing fillet



CALCULATION DATA

C	351 kN	Basic dynamic load rating
C ₀	405 kN	Basic static load rating
P _u	10.4 kN	Fatigue load limit
	3 600 r/min	Reference speed
	2 200 r/min	Limiting speed
k _r	0.03	Minimum load factor
f ₀	13.9	Calculation factor

MASS

36.6 kg	Mass bearing
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TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out