



6048 M Deep groove ball bearings

- Popular item

Deep groove ball bearings

Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

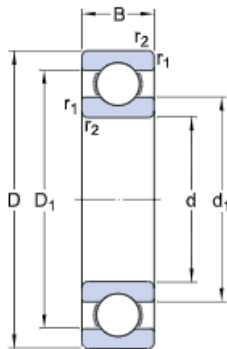
Matched bearing pairs, Stainless steel
 $d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

Technical specification

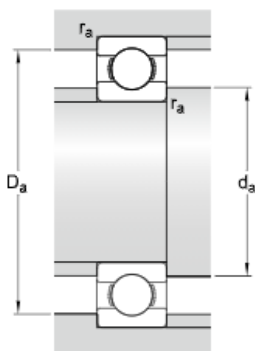


DIMENSIONS

d	240 mm	Bore diameter
D	360 mm	Outside diameter
B	56 mm	Width
d_1	≈ 277.7 mm	Shoulder diameter
D_1	≈ 321.6 mm	Shoulder diameter
$r_{1,2}$	min. 3 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d_ξ	min. 253 mm	Diameter of shaft abutment
D_i	max. 347 mm	Diameter of housing abutment
r_a	max. 2.5 mm	Radius of shaft or housing fillet



CALCULATION DATA

C	255 kN	Basic dynamic load rating
C ₀	315 kN	Basic static load rating
P _u	7.8 kN	Fatigue load limit
	3 600 r/min	Reference speed
	3 000 r/min	Limiting speed
k _r	0.025	Minimum load factor
f ₀	15.9	Calculation factor

MASS

	19.6 kg	Mass bearing
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TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out