



61820 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

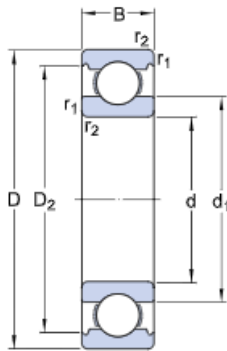
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

Technical specification

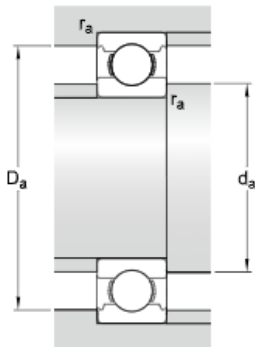


DIMENSIONS

d	100 mm	Bore diameter
D	125 mm	Outside diameter
B	13 mm	Width
d_1	≈ 108.3 mm	Shoulder diameter
D_2	≈ 119.3 mm	Recess diameter
$r_{1,2}$	min. 1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d_c	min. 105 mm	Diameter of shaft abutment
D_i	max. 120 mm	Diameter of housing abutment
r_a	max. 1 mm	Radius of shaft or housing fillet



CALCULATION DATA

C	17.8 kN	Basic dynamic load rating
C ₀	18.3 kN	Basic static load rating
P _u	0.95 kN	Fatigue load limit
	10 000 r/min	Reference speed
	6 300 r/min	Limiting speed
k _r	0.015	Minimum load factor
f ₀	13.3	Calculation factor

MASS

	0.3 kg	Mass bearing
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TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out