



W 6201 Deep groove ball bearings

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

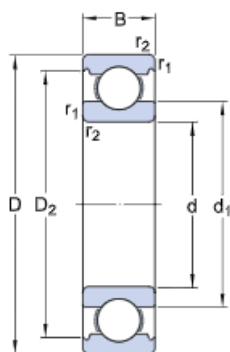
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

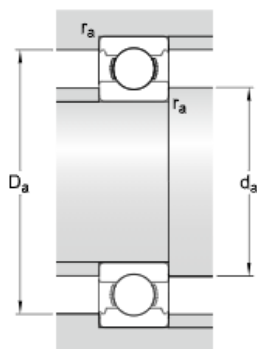


DIMENSIONS

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	10 mm	Width
d_1	≈ 18.5 mm	Shoulder diameter
D_2	≈ 27.95 mm	Recess diameter
$r_{1,2}$	min. 0.6 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d_a	min. 16 mm	Diameter of shaft abutment
D_a	max. 28.5 mm	Diameter of housing abutment
r_a	max. 0.6 mm	Radius of shaft or housing fillet



CALCULATION DATA

C	5.72 kN	Basic dynamic load rating
C ₀	3 kN	Basic static load rating
P _u	0.127 kN	Fatigue load limit
	53 000 r/min	Reference speed
	34 000 r/min	Limiting speed
k _r	0.03	Minimum load factor
f ₀	12	Calculation factor

MASS

0.034 kg	Mass bearing
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TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out