



W 6001-2Z 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

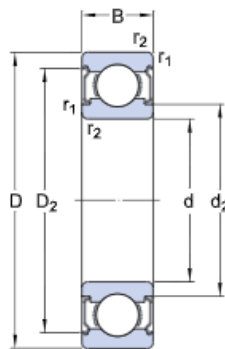
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

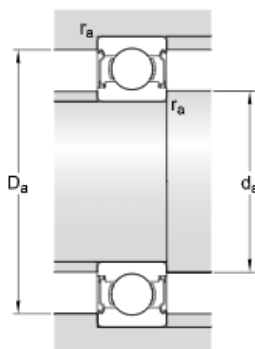


DIMENSIONS

d	12 mm	Bore diameter
D	28 mm	Outside diameter
B	8 mm	Width
d_2	≈ 16 mm	Recess diameter
D_2	≈ 25.15 mm	Recess diameter
$r_{1,2}$	min. 0.3 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d_c min. 14 mm	Diameter of shaft abutment
d_c max. 15.5 mm	Diameter of shaft abutment
D_i max. 26 mm	Diameter of housing abutment
r_a max. 0.3 mm	Radius of shaft or housing fillet



CALCULATION DATA

C	4.42 kN	Basic dynamic load rating
C ₀	2.36 kN	Basic static load rating
P _u	0.102 kN	Fatigue load limit
	60 000 r/min	Reference speed
	30 000 r/min	Limiting speed
k _r	0.03	Minimum load factor
f ₀	13.2	Calculation factor

MASS

0.02 kg	Mass bearing
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TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out