



W 61901

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

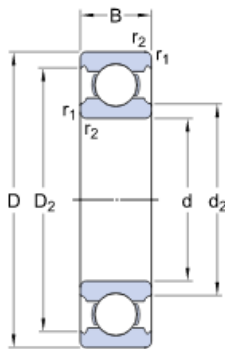
Matched bearing pairs, Stainless steel
 $d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

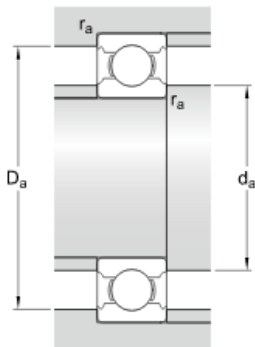


DIMENSIONS

d	12 mm
D	24 mm
B	6 mm
d_2	≈ 15.35 mm
D_2	≈ 21.4 mm
$r_{1,2}$	min. 0.3 mm

ABUTMENT DIMENSIONS

d_a	min. 14 mm
D_a	max. 22 mm
r_a	max. 0.3 mm



CALCULATION DATA

Basic dynamic load rating	C	2.51 kN
Basic static load rating	C_0	1.46 kN
Fatigue load limit	P_u	0.062 kN
Reference speed		67000 r/min
Limiting speed		40000 r/min
Calculation factor	k_f	0.025
Calculation factor	f_0	14.5

MASS

Mass bearing		0.0098 kg
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