



W 628/5-2Z

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

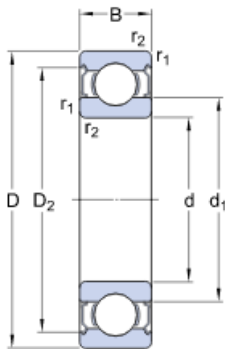
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	5 mm
D	11 mm
B	4 mm
d_1	≈ 6.81 mm
d_2	≈ 6.81 mm
D_2	≈ 9.9 mm
$r_{1,2}$	min. 0.15 mm



ABUTMENT DIMENSIONS

d_a	min. 6.2 mm
d_a	max. 6.7 mm
D_a	max. 10 mm
r_a	max. 0.15 mm

CALCULATION DATA

Basic dynamic load rating	C	0.403 kN
Basic static load rating	C_0	0.143 kN
Fatigue load limit	P_u	0.006 kN
Reference speed		120000 r/min
Limiting speed		60000 r/min
Calculation factor	k_T	0.02
Calculation factor	f_0	7.1

MASS

Mass bearing		0.0015 kg
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