



61940 MA Deep groove ball bearings

- Popular item

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

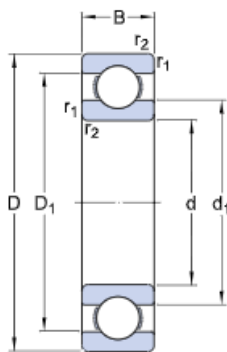
Matched bearing pairs, Stainless steel
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

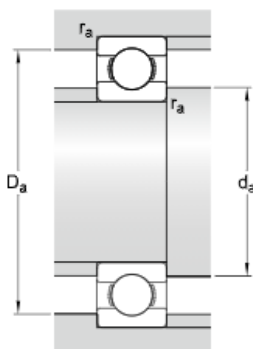


DIMENSIONS

d	200 mm	Bore diameter
D	280 mm	Outside diameter
B	38 mm	Width
d ₁	≈ 225.7 mm	Shoulder diameter
D ₁	≈ 255.2 mm	Shoulder diameter
r _{1,2}	min. 2.1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _ε min.	210 mm	Diameter of shaft abutment
D _i max.	270 mm	Diameter of housing abutment
r _a max.	2 mm	Radius of shaft or housing fillet



CALCULATION DATA

C	148 kN	Basic dynamic load rating
C ₀	166 kN	Basic static load rating
P _u	4.55 kN	Fatigue load limit
	4 800 r/min	Reference speed
	3 800 r/min	Limiting speed
k _r	0.02	Minimum load factor
f ₀	16.4	Calculation factor

MASS

	7.32 kg	Mass bearing
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TOLERANCE CLASS

Normal	Dimensional tolerances
Normal	Radial run-out