



QJ 203 N2MA Angular contact ball bearings, four-point contact ball bearings

- SKF Explorer

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Bearing data

[Tolerances](#),

Normal, P6,

[Internal clearance](#),

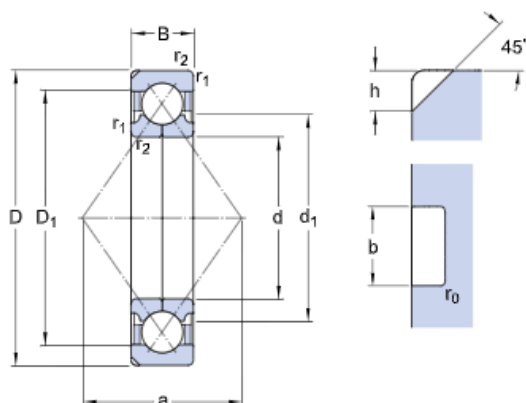
table

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

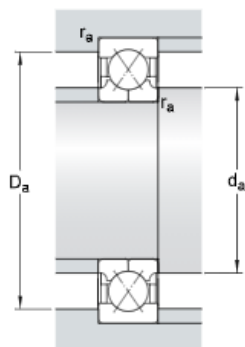


DIMENSIONS

d	17 mm	Bore diameter
D	40 mm	Outside diameter
B	12 mm	Width
d ₁	≈ 23.5 mm	Shoulder diameter inner ring
D ₁	≈ 32.5 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	20 mm	Distance pressure point(s)
h	2.5 mm	Locating slot depth outer ring
b	3.5 mm	Locating slot width outer ring
r ₀	0.5 mm	Corner radius locating slot
r _{1,2}	min. 0.6 mm	Chamfer dimension inner ring

ABUTMENT DIMENSIONS

d _a min. 21.2 mm	Abutment diameter shaft
D _i max. 35.8 mm	Abutment diameter housing
r _a max. 0.6 mm	Fillet radius



CALCULATION DATA

C	17 kN	Basic dynamic load rating
C ₀	11.4 kN	Basic static load rating
P _u	0.48 kN	Fatigue load limit
	30 000 r/min	Limiting speed
A	0	Calculation factor
e	0.95	Calculation factor
X	0.6	Calculation factor
Y ₀	0.58	Calculation factor
Y ₁	0.66	Calculation factor
Y ₂	1.07	Calculation factor

MASS

0.082 kg	Mass bearing
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