



QJ 218 N2MA Angular contact ball bearings, four-point contact ball bearings

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Bearing data

[Tolerances](#),

Normal, P6,

[Internal clearance](#),

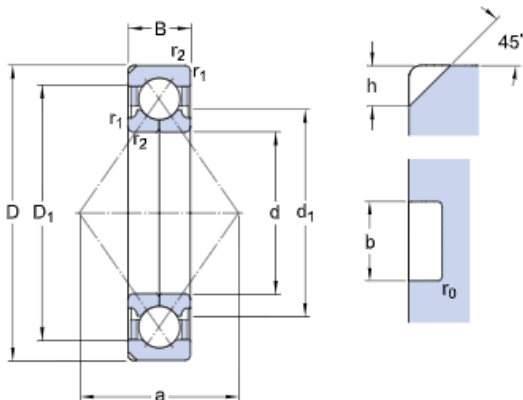
table

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

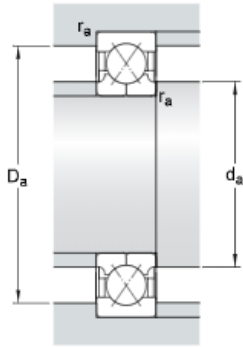


DIMENSIONS

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	30 mm	Width
d ₁	≈ 114 mm	Shoulder diameter inner ring
D ₁	≈ 136 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	88 mm	Distance pressure point(s)
h	8.1 mm	Locating slot depth outer ring
b	6.5 mm	Locating slot width outer ring
r ₀	1 mm	Corner radius locating slot
r _{1,2}	min. 2 mm	Chamfer dimension inner ring

ABUTMENT DIMENSIONS

d _a	min. 101 mm	Abutment diameter shaft
D _c	max. 149 mm	Abutment diameter housing
r _a	max. 2 mm	Fillet radius



CALCULATION DATA

C	186 kN	Basic dynamic load rating
C ₀	200 kN	Basic static load rating
P _u	7.65 kN	Fatigue load limit
	7 000 r/min	Limiting speed
A	0.106	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

	2.75 kg	Mass bearing
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