



QJ 216 MA Angular contact ball bearings, four-point contact ball bearings

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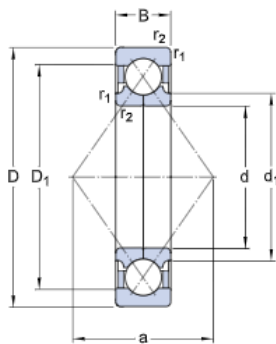
Bearing data

Tolerances, Normal, P6, Internal clearance, table

Bearing interfaces

Seat tolerances for standard conditions, Tolerances and resultant fit

Technical specification

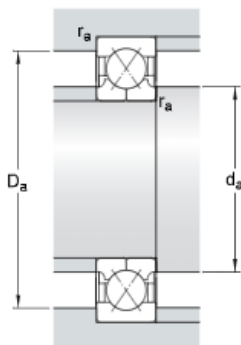


DIMENSIONS

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
d ₁	≈ 95.3 mm	Shoulder diameter inner ring
D ₁	≈ 120 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	77 mm	Distance pressure point(s)
r _{1,2}	min. 2 mm	Chamfer dimension inner ring

ABUTMENT DIMENSIONS

d _a	min. 91 mm	Abutment diameter shaft
D _i	max. 130 mm	Abutment diameter housing
r _a	max. 2 mm	Fillet radius



CALCULATION DATA

C	146 kN	Basic dynamic load rating
C ₀	156 kN	Basic static load rating
P _u	6.4 kN	Fatigue load limit
	8 000 r/min	Limiting speed
A	0.063	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

	1.85 kg	Mass bearing
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