



## QJ 344 N2MA Angular contact ball bearings, four-point contact ball bearings

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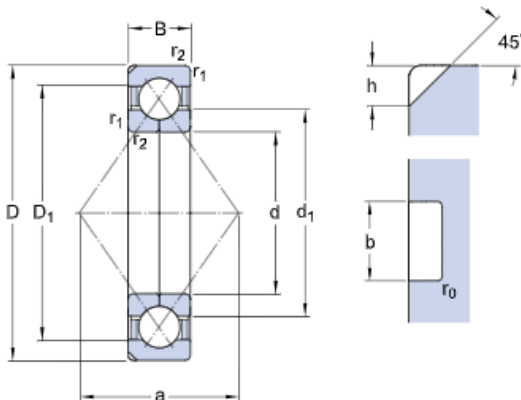
### Bearing data

[Tolerances](#),  
Normal, P6,  
[Internal clearance](#),  
table

### Bearing interfaces

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

## Technical specification

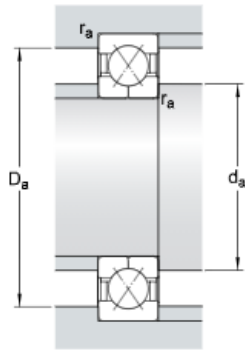


### DIMENSIONS

d	220 mm	Bore diameter
D	460 mm	Outside diameter
B	88 mm	Width
d <sub>1</sub>	≈ 308 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 372 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	238 mm	Distance pressure point(s)
h	15 mm	Locating slot depth outer ring
b	12.5 mm	Locating slot width outer ring
r <sub>0</sub>	2.5 mm	Corner radius locating slot
r <sub>1,2</sub>	min. 5 mm	Chamfer dimension inner ring

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 242 mm	Abutment diameter shaft
D <sub>c</sub>	max. 438 mm	Abutment diameter housing
r <sub>a</sub>	max. 4 mm	Fillet radius



## CALCULATION DATA

C	780 kN	Basic dynamic load rating
C <sub>0</sub>	1 400 kN	Basic static load rating
P <sub>u</sub>	32 kN	Fatigue load limit
	2 400 r/min	Limiting speed
A	6.2	Calculation factor
e	0.95	Calculation factor
X	0.6	Calculation factor
Y <sub>0</sub>	0.58	Calculation factor
Y <sub>1</sub>	0.66	Calculation factor
Y <sub>2</sub>	1.07	Calculation factor

## MASS

	78 kg	Mass bearing
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