



# QJ 238 N2MA Angular contact ball bearings, four-point contact ball bearings

- SKF Explorer

## Angular contact ball bearings, four-point contact ball bearings

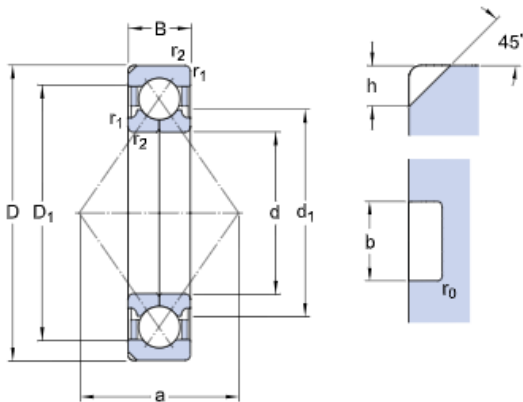
### Bearing data

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

### Bearing interfaces

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

## Technical specification

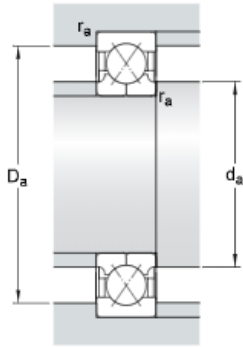


### DIMENSIONS

d	190 mm	Bore diameter
D	340 mm	Outside diameter
B	55 mm	Width
d <sub>1</sub>	≈ 244 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 285 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	185 mm	Distance pressure point(s)
h	12.7 mm	Locating slot depth outer ring
b	10.5 mm	Locating slot width outer ring
r <sub>0</sub>	2 mm	Corner radius locating slot
r <sub>1,2</sub>	min. 4 mm	Chamfer dimension inner ring

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 207 mm	Abutment diameter shaft
D <sub>c</sub>	max. 323 mm	Abutment diameter housing
r <sub>a</sub>	max. 3 mm	Fillet radius



## CALCULATION DATA

C	510 kN	Basic dynamic load rating
$C_0$	850 kN	Basic static load rating
$P_u$	22.4 kN	Fatigue load limit
	3 200 r/min	Limiting speed
A	1.77	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

	23.3 kg	Mass bearing
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