



## QJ 1256 N2MA Angular contact ball bearings, four-point contact ball bearings

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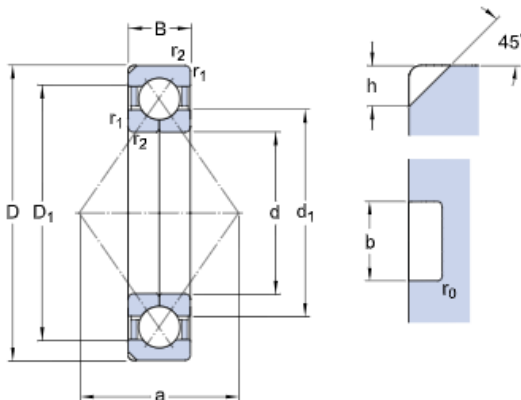
### Bearing data

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

### Bearing interfaces

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

## Technical specification

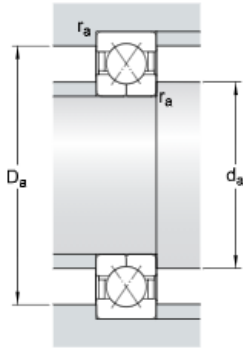


### DIMENSIONS

d	280 mm	Bore diameter
D	500 mm	Outside diameter
B	90 mm	Width
d <sub>1</sub>	≈ 365 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 415 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	390 mm	Distance pressure point(s)
h	12.5 mm	Locating slot depth outer ring
b	15 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. 302 mm	Abutment diameter shaft
D <sub>c</sub>	max. 478 mm	Abutment diameter housing
r <sub>a</sub>	max. 4 mm	Fillet radius



## CALCULATION DATA

C	728 kN	Basic dynamic load rating
C <sub>0</sub>	1 460 kN	Basic static load rating
P <sub>u</sub>	31.5 kN	Fatigue load limit
	2 000 r/min	Limiting speed
A	13	Calculation factor
e	1.34	Calculation factor
X	0.54	Calculation factor
Y <sub>0</sub>	0.44	Calculation factor
Y <sub>1</sub>	0.47	Calculation factor
Y <sub>2</sub>	0.81	Calculation factor

## MASS

	82 kg	Mass bearing
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