



Image may differ from product. See technical specification for details.

## QJ 332 N2MA

### Four-point contact ball bearing with locating slots

Four-point contact ball bearings with locating slots can accommodate high axial loads in both directions and small radial loads. They can operate at very high speeds and are more suitable than deep groove ball bearings for supporting large axial forces. The outer ring,

with ball and cage assembly, can be mounted separately from the two inner ring halves. The locating slots can be used to prevent the outer ring from rotating.

- High-speed capability
- Accommodate high axial loads in both directions and small radial loads
- Require considerably less axial space than double row angular contact ball bearings
- The locating slots can be used to prevent the outer ring from rotating

## Overview

### Dimensions

Bore diameter	160 mm
Outside diameter	340 mm
Width	68 mm
Contact angle	35 °

### Performance

Basic dynamic load rating	570 kN
Basic static load rating	880 kN
Limiting speed	3 400 r/min
SKF performance class	SKF Explorer

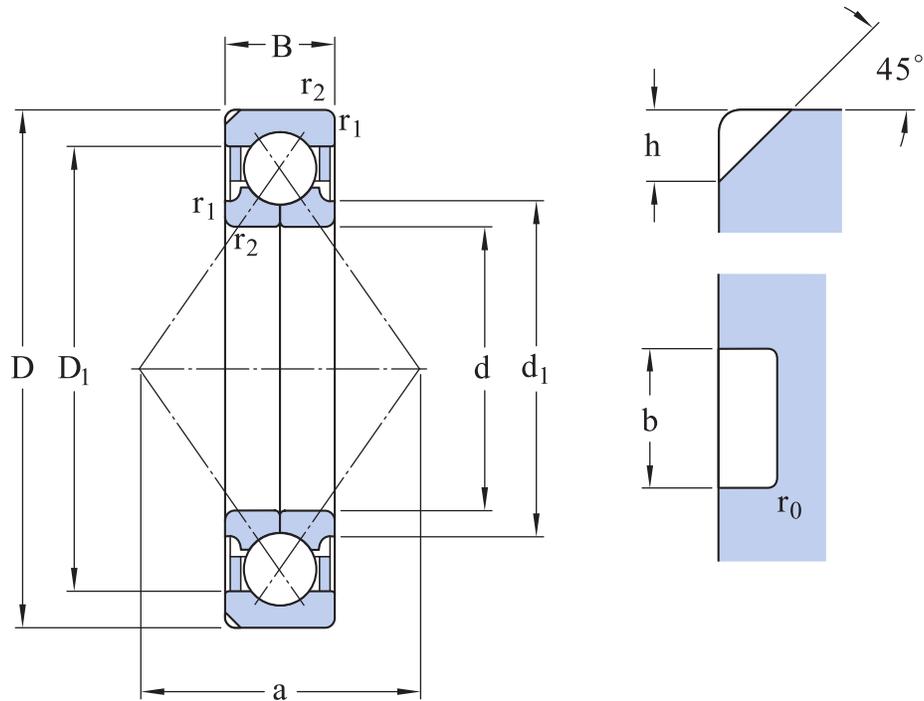
### Properties

Contact type	Four-point contact
Number of rows	1
Locating feature, bearing outer ring	Locating slot
Ring type	Two-piece inner ring and one-piece outer ring
Cage	Machined metal
Matched arrangement	No
Universal matching bearing	No
Axial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

### Logistics

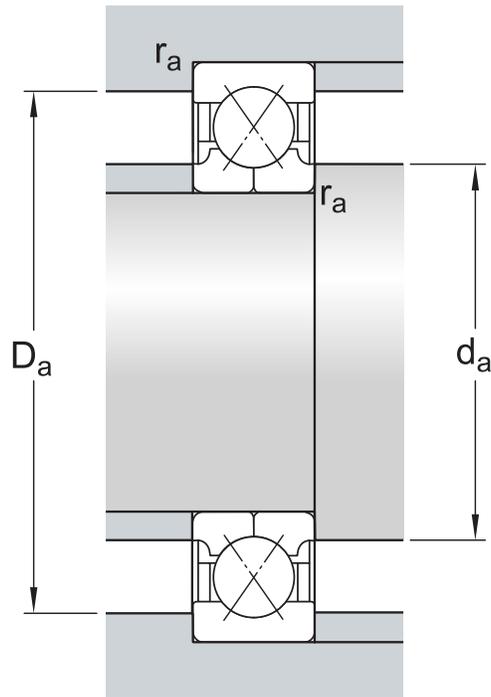
Product net weight	32.1 kg
eClass code	23-05-08-05
UNSPSC code	31171538

## Technical specification



## Dimensions

d	160 mm	Bore diameter
D	340 mm	Outside diameter
B	68 mm	Width
d <sub>1</sub>	≈ 224 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 276 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	175 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

$d_a$	min. 177 mm	Abutment diameter shaft
$D_a$	max. 323 mm	Abutment diameter housing
$r_a$	max. 3 mm	Fillet radius

## Calculation data

SKF performance class		SKF Explorer
Basic dynamic load rating	C	570 kN
Basic static load rating	$C_0$	880 kN
Fatigue load limit	$P_u$	23.6 kN
Limiting speed		3 400 r/min
Calculation factor	A	2.12
Limiting value	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

## Tolerances and clearances

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### GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6
- Internal clearance: table

## BEARING INTERFACES

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

## More Information

 <b>Product details</b>	 <b>Engineering information</b>	 <b>Tools</b>
<a href="#">Designs and variants</a>		<a href="#">SKF Product select</a>
<a href="#">General bearing specifications</a>	<a href="#">General bearing knowledge</a>	<a href="#">SimPro Quick</a>
<a href="#">Loads</a>	<a href="#">Bearing selection process</a>	<a href="#">Bearing Frequency Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Bearing interfaces</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Permissible speed</a>	<a href="#">Seat tolerances for standard conditions</a>	<a href="#">Heater selection tool</a>
<a href="#">Design considerations</a>	<a href="#">Selecting internal clearance or preload</a>	<a href="#">SKF mounting and dismounting instructions</a>
<a href="#">Designation system</a>	<a href="#">Lubrication</a>	
	<a href="#">External sealing, mounting and dismounting</a>	
	<a href="#">Bearing failure and how to prevent it</a>	



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