

# 307418 C Single row angular contact ball bearing



## Single row angular contact ball bearing

Single row angular contact ball bearings can accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They can operate at high speeds and, depending on the variant, even very high speeds. They are more suitable than deep groove ball bearings for supporting large axial forces acting in one direction.

- High-speed capability
- Accommodate relatively high radial loads and large unilateral axial loads

## Overview

## Dimensions

Bore diameter	65 mm
Outside diameter	96.6 mm
Width	23 mm
Contact angle	20 °

## Performance

Basic dynamic load rating	22.5 kN
Basic static load rating	22 kN
Reference speed	7 500 r/min
Limiting speed	7 500 r/min

## Properties

Contact type	Normal contact (two-point contact)
Number of rows	1
Locating feature, bearing outer ring	None
Ring type	One-piece inner and outer rings
Matched arrangement	No
Universal matching bearing	No
Axial internal clearance	Not applicable
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Capped

Lubricant

None

Relubrication  
feature

Without

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