

# QJ 310 PHAS/C3 Four-point contact ball bearing



## Four-point contact ball bearing

Four-point contact ball bearings 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.

- 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

## Overview

### Dimensions

|                  |        |
|------------------|--------|
| Bore diameter    | 50 mm  |
| Outside diameter | 110 mm |
| Width            | 27 mm  |
| Contact angle    | 35 °   |

## Performance

|                           |              |
|---------------------------|--------------|
| Basic dynamic load rating | 118 kN       |
| Basic static load rating  | 100 kN       |
| Limiting speed            | 11 000 r/min |
| SKF performance class     | SKF Explorer |

## Properties

|                                      |   |
|--------------------------------------|---|
| Contact type                         | Four-point contact                            |
| Number of rows                       | 1   |
| Locating feature, bearing outer ring | None  |
| Ring type                            | Two-piece inner ring and one-piece outer ring |
| Cage                                 | Non-metallic                                  |
| Matched arrangement                  | No  |
| Universal matching bearing           | No  |
| Axial internal clearance             | C3  |

|                       |               |
|-----------------------|---------------|
| Material, bearing     | Bearing steel |
| Coating               | Without       |
| Sealing               | Without       |
| Lubricant             | None          |
| Relubrication feature | Without       |

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