

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

# S71911 CBGA/HCP4A

**Super-precision, high-speed, B design, universally matchable single row angular contact ball bearing with seals**

These super-precision, high-speed, B design, single row angular contact ball bearings, with seals, accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They are designed to accommodate very high speeds and, non-contact compared to SKF E design high-speed bearings, are best suited for lighter loads and lower operating temperatures. Being universally matchable, they can be used together in arrangements to provide effective load sharing, without the use of shims or similar devices.

- Very high running accuracy
- Accomodate very high speeds
- Universally matchable
- Non-contact seals
- Integral sealing prolongs bearing service life

# Overview

## Dimensions

| | |
|---|---|
| Bore diameter | 55 mm |
| Outside diameter | 80 mm |
| Width | 13 mm |
| Contact angle | 15 ° |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 10.6 kN |
| Basic static load rating | 8.15 kN |
| Note | Refer to catalogue data or contact SKF for the attainable speeds |

## Properties

| | |
|---|---|
| Contact type | Normal contact (two-point contact) |
| Number of rows | 1 |
| Ring type | One-piece inner and outer rings |
| Design | High-speed B |
| Universal matching bearing | Yes, back-to-back (<>), face-to-face (><) or tandem (>>) |
| Matched arrangement | No |
| Matched condition (axial clearance/ preload) | Measuring load, class A |
| Tolerance class | P4A |
| Material, bearing | Hybrid (ceramic balls) |
| Coating | Without |
| Sealing | Seal on both sides |
| Sealing type | Non-contact |
| Lubricant | Grease |
| Indicative carbon footprint for new product | 0.66 kg $CO_2e$ |

## Logistics

| | |
|---|---|
| Product net weight | 0.177 kg |
| eClass code | 23-05-08-03 |
| UNSPSC code | 31171531 |

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