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S7009 ACBGA/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	45 mm
Outside diameter	75 mm
Width	16 mm
Contact angle	25 °

Performance

Basic dynamic load rating	9.36 kN
Basic static load rating	6.8 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	0.98 kg CO_2e

Logistics

Product net weight	0.266 kg
eClass code	23-05-08-03
UNSPSC code	31171531

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