

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

S7022 CDGA/HCP4A

Super-precision, high-capacity, universally matchable single row angular contact ball bearing with seals

These super-precision, high-capacity, single row angular contact ball bearings, with non-contact seals, accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They are designed to accommodate heavy loads at relatively high speeds under low to moderate 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
- Very high load carrying capacity
- Universally matchable
- Non-contact seals
- Integral sealing prolongs bearing service life

Overview

Dimensions

Bore diameter	110 mm
Outside diameter	170 mm
Width	28 mm
Contact angle	15 °

Performance

Basic dynamic load rating	114 kN
Basic static load rating	108 kN
Attainable speed for grease lubrication	9 500 r/min
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-capacity D
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	6.2 kg CO_2e

Logistics

Product net weight	1.69 kg
eClass code	23-05-08-03
UNSPSC code	31171531

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