

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

71914 CDGA/HCP4AL

Super-precision, high-capacity, universally matchable single row angular contact ball bearing suitable for direct oil-air lubrication

These super-precision, high-capacity, single row angular contact ball bearings 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, within a predetermined preload range, without the use of shims or similar devices. They have two lubrication holes, an annular groove, and two annular O-ring grooves in their outer rings.

- Suitable for direct oil-air lubrication
- Very high running accuracy
- Very high load carrying capacity
- Relatively high speed and stiffness
- Universally matchable

Overview

Dimensions

Bore diameter	70 mm
Outside diameter	100 mm
Width	16 mm
Contact angle	15 °

Performance

Basic dynamic load rating	36.4 kN
Basic static load rating	34 kN
Attainable speed for grease lubrication	16 000 r/min
Attainable speed for oil-air lubrication	24 000 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	Without
Lubricant	None
Special feature	Suitable for direct oil-air lubrication
Indicative carbon footprint for new product	1 kg CO_2e

Logistics

Product net weight	0.279 kg
eClass code	23-05-08-03
UNSPSC code	31171531

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