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6313/C3VL0241

INSOCOAT® deep groove ball bearing

INSOCOAT single row deep groove ball bearings feature an electrically insulating coating on the outside surfaces of either the inner or outer bearing ring. This keeps stray electric currents from passing through the bearings, protecting them against electrical erosion damage and helping prevent lubricant degradation resulting from electric current discharge. As with deep groove ball bearings generally, they are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types. Also available on request with special sized bore and/or outside diameters, suitable for reworked shafts and housings.

- Coating protects against electrical erosion damage
- Reduced lubricant degradation resulting from electric current discharge
- Typical benefits of single row deep groove ball bearings

Overview

Dimensions

Bore diameter	65 mm
Outside diameter	140 mm
Width	33 mm

Performance

Basic dynamic load rating	97.5 kN
Basic static load rating	60 kN
Reference speed	10 000 r/min
Limiting speed	6 700 r/min

Properties

Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	No
Radial internal clearance	C3
Material, bearing	Bearing steel
Coating	Insulation coating on outer ring
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	7.6 kg CO_2e

Logistics

Product net weight	2.05 kg
eClass code	23-05-08-01
UNSPSC code	31171537

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