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61902-2Z/C3

Deep groove ball bearing with seals or shields

Single row deep groove ball bearings with seals or shields 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. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out. Also available on request with special sized bore and/or outside diameters, suitable for reworked shafts and housings.

- Integral sealing prolongs bearing service life
- Simple, versatile and robust design
- Low friction and high-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

Overview

Dimensions

Bore diameter	15 mm
Outside diameter	28 mm
Width	7 mm

Performance

Basic dynamic load rating	4.36 kN
Basic static load rating	2.24 kN
Reference speed	56 000 r/min
Limiting speed	28 000 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	Without
Sealing	Shield on both sides
Sealing type	Non-contact
Lubricant	Grease
Relubrication feature	Without
Indicative carbon footprint for new product	0.06 kg CO_2e

Logistics

Product net weight	0.0161 kg
eClass code	23-05-08-01
UNSPSC code	31171504

Compatible products

Mounting tool

Bearing fitting tool kit	TMFT 36

Mounting with interference fit on cylindrical shaft and mounting in housing

Bearing fitting tool kit, PRO version	TMFT 36/PRO *Mounting with interference fit on cylindrical shaft and mounting in housing*

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