



SKF 6301-2Z/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.

Technical specifications

Dimensions	
Bore diameter	12 mm
Outside diameter	37 mm
Width	12 mm

Performance	
Basic dynamic load rating	10.1 kN
Basic static load rating	4.15 kN
Reference speed	45000 r/min
Limiting speed	22000 r/min
SKF performance class	SKF Explorer

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	0.22 kg CO ₂ e

Logistics	
Product net weight	0.0605 kg
eClass code	23-05-08-01
UNSPSC code	31171504