



SKF 6205-Z

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	25 mm
Outside diameter	52 mm
Width	15 mm
Shoulder diameter	34.35 mm
Recess diameter	46.21 mm
Chamfer dimension	1 mm

Abutment dimensions	
Diameter of shaft abutment	30.6 mm
Diameter of shaft abutment	34.3 mm
Diameter of housing abutment	46.4 mm
Radius of shaft or housing fillet	1 mm

Calculation data	
SKF performance class	SKF Explorer
Basic dynamic load rating	14.8 kN
Basic static load rating	7.8 kN
Fatigue load limit	0.335 kN
Reference speed	28000 r/min
Limiting speed	18000 r/min
Minimum load factor	0.03
Calculation factor	14

Performance	
Basic dynamic load rating	14.8 kN
Basic static load rating	7.8 kN
Reference speed	28000 r/min
Limiting speed	18000 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	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Shield on one side
Sealing type	Non-contact
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	0.46 kg CO ₂ e

Logistics	

Product net weight	0.127 kg
eClass code	23-05-08-01
UNSPSC code	31171504

SKF drawings

