



SKF 211

Deep groove ball bearing with filling slots

Single row deep groove ball bearings with filling slots accommodate more balls than standard deep groove ball bearings. They are of a simple, yet versatile, design and are robust in operation, requiring little maintenance. They can accommodate radial and axial loads in both directions. They have a higher radial load carrying capacity than the corresponding bearings without filling slots but have a limited axial load carrying capacity due to the filling slots.

Technical specifications

Dimensions	
Bore diameter	55 mm
Outside diameter	100 mm
Width	21 mm
Shoulder diameter	69.06 mm
Recess diameter	89.4 mm
Chamfer dimension	1.5 mm

Abutment dimensions	
Diameter of shaft abutment	64 mm
Diameter of housing abutment	91 mm
Radius of shaft or housing fillet	1.5 mm

Calculation data	
Basic dynamic load rating	48.4 kN
Basic static load rating	44 kN
Fatigue load limit	1.86 kN
Reference speed	12000 r/min
Limiting speed	7000 r/min
Minimum load factor	0.04

Performance	
Basic dynamic load rating	48.4 kN
Basic static load rating	44 kN
Reference speed	12000 r/min
Limiting speed	7000 r/min

Properties	
Filling slots	With
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	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	2.4 kg CO ₂

Logistics	
Product net weight	0.656 kg
eClass code	23-05-08-01
UNSPSC code	31171504

SKF drawings

