



SKF 6211-2Z/VA208

Deep groove ball bearing for high temperature applications with shields on both

Single row deep groove ball bearings for high temperature applications, with shields on both sides, are designed for challenging operating conditions, with certain variants being capable of performing at temperatures as high as 350 °C (660 °F). They have larger radial internal clearances and use graphite-based lubricants that enable operation at high temperatures. They are lubricated for the life of the bearing and the entire surface of the bearings and shields are manganese phosphate treated, which enhances adhesion of the lubricant to the metal and improves their running-in properties. As with deep groove ball bearings generally, they are particularly versatile, accommodate radial and axial loads in both directions, and are easy to mount.

Technical specifications

Running in required		No
Dimensions		
Bore diameter		55 mm
Outside diameter		100 mm
Width		21 mm
Shoulder diameter inner ring		69.06 mm
Recess diameter outer ring shoulder		89.4 mm
Chamfer dimension		1.5 mm
Abutment dimensions		
Abutment diameter shaft		64 mm
Abutment diameter shaft		69 mm
Abutment diameter housing		91 mm
Fillet radius		1.5 mm
Calculation data		
Basic static load rating		29 kN
Limiting speed		50 r/min
Operating temperature		350 °C
Performance		
Basic static load rating		29 kN
Limiting speed		50 r/min
Maximum operating temperature		350 °C
Properties		
Filling slots		Without
Number of rows		1
Locating feature, bearing outer ring		Without
Bore type		Cylindrical
Cage		Non-metallic
Matched arrangement		No
Radial internal clearance		Multiples of C5
Material, bearing		High temperature steel
Coating		Coated
Sealing		Shield on both sides
Sealing type		Non-contact
Lubricant		Solid lubricant
Relubrication feature		Without
Indicative carbon footprint for new product		2.1 kg CO ₂ e
Logistics		
Product net weight		0.587 kg
eClass code		23-05-90-90
UNSPSC code		31171504

SKF drawings

