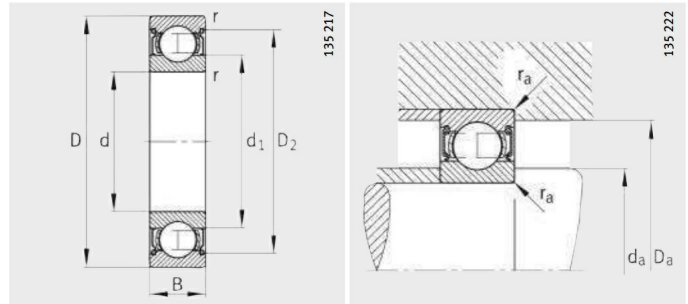


687-2Z



Seal 2Z

Mounting dimensions
Sealed design

New Designations :		687-2Z
Old Code :		628/7-2Z
Main demensions :	7 × 14 × 5	Bore Dia × Outside Dia × Width Dia (mm)
M :	0.029 kg	Weight
HS Code :	8482102000	Bearing customs code
ID :	7 mm	Inside diameter(I.D.)
OD :	14 mm	Outside diameter(O.D.)
T(B) :	5 mm	Thickness(W.D.)
C :	1.158 kN	Radial dynamic load rating
C0 :	0.493 kN	Radial static load rating
Oil rpm :	57965 r/min	Limiting speed
Category :		Single row deep groove ball bearings

Detailed parameters and installation dimensions:

Part Number	687-2Z
Series	68...2Z
Bearing Mass - m	0.029 kg 0.064 lb
Limiting speed - n_G	57965 min ⁻¹
Reference From	FAG 687-2Z
Dimension Inside - d φ (mm)	7
Dimension Outside - D Φ (mm)	14

Dimension Width - B (mm)	5
Bore Type	Z = Cylindrical bore
Bearing Type	Deep groove ball bearings 2Z design, self-retaining, Gap seals
Dimension - d ₂	8.5 mm 0.335 inch
Dimension - D ₂	12.7 mm 0.500 inch
Dimension - r(min.)	0.15 mm 0.006 inch
Rows NO.	one
Mounting dimensions - d _a (min.)	7.8 mm 0.307 inch
Seal	2Z = Gap seal on both sides
Mounting dimensions - D _a (max.)	13.2 mm 0.520 inch
Mounting dimensions - r _a (max.)	0.15 mm 0.006 inch
Cage	JN = Stamping steel cage
RIC	CN
Manufacturer Part Code	687.2Z
Radial Dynamic Capacity - C _r	1158 N 260 lbf
Radial static Capacity - C _{0r}	493 N 110 lbf
Heat stabilization	SN = (up to 120 °C)
Lubricant	L138 = Grease (L138)
Dimension Inside - d φ (inch)	0.276
Dimension Outside - D Φ (inch)	0.551
Dimension Width - B (inch)	0.197
Temperature - T(min)	-30°C
Temperature - T(max)	120°C
Radial Fatigue Capacity - C _{ur}	13.6 N 3 lbf
Coefficient - F ₀	14.2
Ring Material	GCr15SiMn
Logistical code	HLC

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