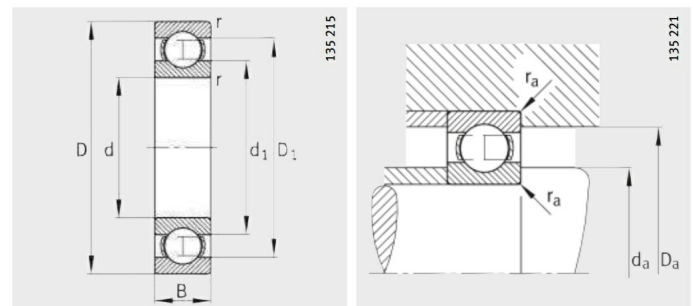


6004



Mounting dimensions
Open design

New Designations :		6004
Old Code :		104
Main demensions :	20 × 42 × 12	Bore Dia × Outside Dia × Width Dia (mm)
M :	0.0624 kg	Weight
HS Code :	8482102000	Bearing customs code
ID :	20 mm	Inside diameter(I.D.)
OD :	42 mm	Outside diameter(O.D.)
T(B) :	12 mm	Thickness(W.D.)
C :	9.945 kN	Radial dynamic load rating
C0 :	4.948 kN	Radial static load rating
Grease rpm :	18173 r/min	Reference speed
Oil rpm :	24763 r/min	Limiting speed
Category :		Single row deep groove ball bearings

Detailed parameters and installation dimensions:

Part Number	6004
Series	60
Bearing Mass - m	0.0624 kg 0.138 lb

Reference speed - n_B	18173 min ⁻¹
Limiting speed - n_G	24763 min ⁻¹
Reference From	FAG 6004
Dimension Inside - d ϕ (mm)	20
Dimension Outside - D Φ (mm)	42
Dimension Width - B (mm)	12
Bore Type	Z = Cylindrical bore
Bearing Type	Deep groove ball bearings open design, self-retaining
Dimension - D ₂	37.42 mm 1.473 inch
Dimension - r(min.)	0.6 mm 0.024 inch
Dimension - D ₁	35.47 mm 1.396 inch
Dimension - d ₁	26.6 mm 1.047 inch
Rows NO.	one
Mounting dimensions - d _a (min.)	23.2 mm 0.913 inch
Seal	Open
Mounting dimensions - D _a (max.)	38.8 mm 1.528 inch
Mounting dimensions - r _a (max.)	0.6 mm 0.024 inch
Cage	JN = Stamping steel cage
RIC	CN
Manufacturer Part Code	6004
Radial Dynamic Capacity - C _r	9945 N 2235 lbf
Radial static Capacity - C _{0r}	4948 N 1112 lbf
Heat stabilization	SN = (up to 120 °C)
Lubricant	Without
Dimension Inside - d ϕ (inch)	0.787
Dimension Outside - D Φ (inch)	1.654
Dimension Width - B (inch)	0.472
Temperature - T(min)	-30°C
Temperature - T(max)	120°C
Radial Fatigue Capacity - C _{ur}	269 N 60 lbf
Coefficient - F ₀	13.8
Ring Material	GCr15SiMn

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