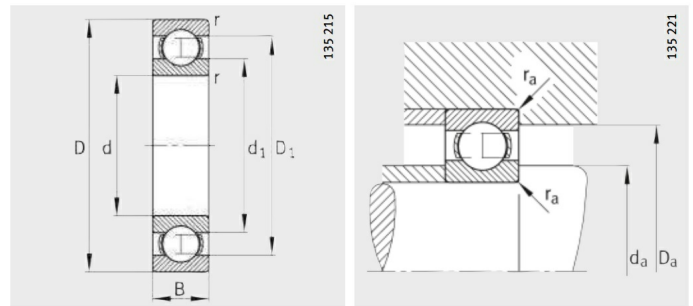


6301



Mounting dimensions
Open design

New Designations :	6301	
Old Code :	301	
Main demensions :	12 × 37 × 12	Bore Dia × Outside Dia × Width Dia (mm)
M :	0.061 kg	Weight
HS Code :	8482102000	Bearing customs code
ID :	12 mm	Inside diameter(I.D.)
OD :	37 mm	Outside diameter(O.D.)
T(B) :	12 mm	Thickness(W.D.)
C :	10.255 kN	Radial dynamic load rating
C0 :	4.164 kN	Radial static load rating
Grease rpm :	19973 r/min	Reference speed
Oil rpm :	28461 r/min	Limiting speed
Category :	Single row deep groove ball bearings	

Detailed parameters and installation dimensions:

Part Number	6301
Series	63
Bearing Mass - m	0.061 kg 0.134 lb

Reference speed - n_B	19973 min ⁻¹
Limiting speed - n_G	28461 min ⁻¹
Reference From	FAG 6301
Dimension Inside - $d \varphi$ (mm)	12
Dimension Outside - $D \Phi$ (mm)	37
Dimension Width - B (mm)	12
Bore Type	Z = Cylindrical bore
Bearing Type	Deep groove ball bearings open design, self-retaining
Dimension - D_2	31.36 mm 1.235 inch
Dimension - r (min.)	1 mm 0.039 inch
Dimension - D_1	29.55 mm 1.163 inch
Dimension - d_1	19.5 mm 0.768 inch
Rows NO.	one
Mounting dimensions - d_a (min.)	17.6 mm 0.693 inch
Seal	Open
Mounting dimensions - D_a (max.)	31.4 mm 1.236 inch
Mounting dimensions - r_a (max.)	1 mm 0.039 inch
Cage	JN = Stamping steel cage
RIC	CN
Manufacturer Part Code	6301
Radial Dynamic Capacity - C_r	10255 N 2305 lbf
Radial static Capacity - C_{0r}	4164 N 936 lbf
Heat stabilization	SN = (up to 120 °C)
Lubricant	Without
Dimension Inside - $d \varphi$ (inch)	0.472
Dimension Outside - $D \Phi$ (inch)	1.457
Dimension Width - B (inch)	0.472
Temperature - T (min)	-30°C
Temperature - T (max)	120°C
Radial Fatigue Capacity - C_{ur}	275 N 61 lbf
Coefficient - F_0	11.1
Ring Material	GCr15SiMn

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