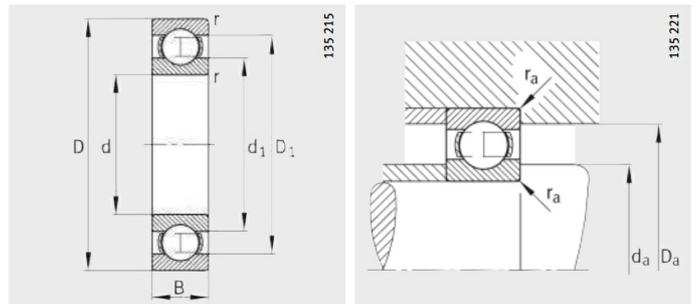


6305



Mounting dimensions
Open design

New Designations :	6305	
Old Code :	305	
Main demensions :	25 × 62 × 17	Bore Dia × Outside Dia × Width Dia (mm)
M :	0.23 kg	Weight
HS Code :	8482102000	Bearing customs code
ID :	25 mm	Inside diameter(I.D.)
OD :	62 mm	Outside diameter(O.D.)
T(B) :	17 mm	Thickness(W.D.)
C :	23.725 kN	Radial dynamic load rating
C0 :	11.434 kN	Radial static load rating
Grease rpm :	12269 r/min	Reference speed
Oil rpm :	16165 r/min	Limiting speed
Category :	Wheel bearing kit	

Detailed parameters and installation dimensions:

Part Number	6305
Series	63
Bearing Mass - m	0.23 kg 0.507 lb

Reference speed - n_B	12269 min ⁻¹
Limiting speed - n_G	16165 min ⁻¹
Reference From	FAG 6305
Dimension Inside - $d \varphi$ (mm)	25
Dimension Outside - $D \Phi$ (mm)	62
Dimension Width - B (mm)	17
Bore Type	Z = Cylindrical bore
Bearing Type	Deep groove ball bearings open design, self-retaining
Dimension - D_2	52.53 mm 2.068 inch
Dimension - r (min.)	1.1 mm 0.043 inch
Dimension - D_1	50.18 mm 1.976 inch
Dimension - d_1	36.4 mm 1.433 inch
Rows NO.	one
Mounting dimensions - d_a (min.)	32 mm 1.260 inch
Seal	Open
Mounting dimensions - D_a (max.)	55 mm 2.165 inch
Mounting dimensions - r_a (max.)	1 mm 0.039 inch
Cage	JN = Stamping steel cage
RIC	CN
Manufacturer Part Code	6305
Radial Dynamic Capacity - C_r	23725 N 5333 lbf
Radial static Capacity - C_{0r}	11434 N 2570 lbf
Heat stabilization	SN = (up to 120 °C)
Lubricant	Without
Dimension Inside - $d \varphi$ (inch)	0.984
Dimension Outside - $D \Phi$ (inch)	2.441
Dimension Width - B (inch)	0.669
Temperature - T (min)	-30°C
Temperature - T (max)	120°C
Radial Fatigue Capacity - C_{ur}	761 N 171 lbf
Coefficient - F_0	12.4
Ring Material	GCr15SiMn

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