



Timken BEARINGS INDUSTRY



6011 Bearing 2D drawings and 3D CAD models

Gearbox/Conveyors/Generators Used SKF 6011 Deep Groove Ball Bearing

Bearing No. 6011

Size	90x55x18 mm
Bore Diameter	90 mm
Outer Diameter	55 mm
Width	18 mm
d	55 mm
D	90 mm
B	18 mm
d ₁	66.3 mm
D ₂	81.5 mm
r _{1,2} - min.	1.1 mm
d _a - min.	61 mm
D _a - max.	84 mm
r _a - max.	1 mm
Basic dynamic load rating - C	29.6 kN
Basic static load rating - C ₀	21.2 kN
Fatigue load limit - P _u	0.9 kN
Reference speed	16000 r/min
Limiting speed	10000 r/min
Calculation factor - k _r	0.025
Calculation factor - f ₀	15.4
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



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Weight / Kilogram	0.39
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	55MM Bore; 90MM Outside Diameter; 18MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	6011
Weight / LBS	0.86
Outside Diameter	3.543 Inch 90 Millimeter
Outer Race Width	0.709 Inch 18 Millimeter
Bore	2.165 Inch 55 Millimeter
d ₁	66.3 mm
D ₂	81.5 mm
r _{1,2} min.	1.1 mm
d _a min.	61 mm



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D_a max.	84 mm
r_a max.	1 mm
Basic dynamic load rating C	29.6 kN
Basic static load rating C_0	21.2 kN
Fatigue load limit P_u	0.9 kN
Calculation factor k_r	0.025
Calculation factor f_0	15.4
Mass bearing	0.38 kg