



# KIA Roller Industry Co.,Ltd



6005-2Z Bearing 2D drawings and 3D CAD models

## SKF 6005-2Z deep groove ball bearings

Bearing No. 6005-2Z

Size	47x25x12 mm
Bore Diameter	47 mm
Outer Diameter	25 mm
Width	12 mm
d	25 mm
D	47 mm
B	12 mm
d <sub>1</sub>	32 mm
D <sub>2</sub>	42.2 mm
r <sub>1,2</sub> - min.	0.6 mm
d <sub>a</sub> - min.	28.2 mm
d <sub>a</sub> - max.	31.9 mm
D <sub>a</sub> - max.	43.8 mm
r <sub>a</sub> - max.	0.6 mm
Basic dynamic load rating - C	11.9 kN
Basic static load rating - C <sub>0</sub>	6.6 kN
Fatigue load limit - P <sub>u</sub>	0.275 kN
Reference speed	32000 r/min
Limiting speed	16000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	14
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



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Weight / Kilogram	0.087
EAN	7316570646443
Product Group	B00308
Enclosure	2 Metal Shields
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	25MM Bore; 47MM Outside Diameter; 12MM Outer Race Diameter; 2 Metal Shields; 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6005-2Z
Weight / LBS	0.19
Bore	0.984 Inch   25 Millimeter
Outside Diameter	1.85 Inch   47 Millimeter
Outer Race Width	0.472 Inch   12 Millimeter
d <sub>1</sub>	32 mm
D <sub>2</sub>	42.2 mm
r <sub>1,2</sub> min.	0.6 mm



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$d_a$ min.	28.2 mm
$d_a$ max.	31.9 mm
$D_a$ max.	43.8 mm
$r_a$ max.	0.6 mm
Basic dynamic load rating C	11.9 kN
Basic static load rating $C_0$	6.55 kN
Fatigue load limit $P_u$	0.275 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14
Mass bearing	0.083 kg