



# REXROTH BEARINGS DEVELOPMENT LTD



6205 Bearing 2D drawings and 3D CAD models

## High Speed NSK SKF NTN Timken 6205 RS Ball Bearings

Bearing No. 6205

Size	52x25x15 mm
Bore Diameter	52 mm
Outer Diameter	25 mm
Width	15 mm
d	25 mm
D	52 mm
B	15 mm
d <sub>1</sub>	34.35 mm
D <sub>2</sub>	46.21 mm
r <sub>1,2</sub> - min.	1 mm
d <sub>a</sub> - min.	30.6 mm
D <sub>a</sub> - max.	46.4 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	14.8 kN
Basic static load rating - C <sub>0</sub>	7.8 kN
Fatigue load limit - P <sub>u</sub>	0.335 kN
Reference speed	28000 r/min
Limiting speed	18000 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



## REXROTH BEARINGS DEVELOPMENT LTD

Weight / Kilogram	0.134
EAN	7316577067784
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	25MM Bore; 52MM Outside Diameter; 15MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	6205
Weight / LBS	0.29
Outer Race Width	0.591 Inch   15 Millimeter
Outside Diameter	2.047 Inch   52 Millimeter
Bore	0.984 Inch   25 Millimeter
d <sub>1</sub>	34.35 mm
D <sub>2</sub>	46.21 mm
d <sub>a</sub> min.	30.6 mm



## REXROTH BEARINGS DEVELOPMENT LTD

$D_a$ max.	46.4 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	14.8 kN
Basic static load rating $C_0$	7.8 kN
Fatigue load limit $P_u$	0.335 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14
Mass bearing	0.13 kg