



## BEARING PRECISION AXLE CORP.



625 Bearing 2D drawings and 3D CAD models

5 mm x 16 mm x 5 mm SKF 625 Deep groove ball bearings

Bearing No. 625

Size	16x5x5 mm
Bore Diameter	16 mm
Outer Diameter	5 mm
Width	5 mm
d	5 mm
D	16 mm
B	5 mm
d <sub>1</sub>	8.4 mm
D <sub>2</sub>	13.22 mm
r <sub>1,2</sub> - min.	0.3 mm
d <sub>a</sub> - min.	7.4 mm
D <sub>a</sub> - max.	13.6 mm
r <sub>a</sub> - max.	0.3 mm
Basic dynamic load rating - C	1.1 kN
Basic static load rating - C <sub>0</sub>	0.38 kN
Fatigue load limit - P <sub>u</sub>	0.016 kN
Reference speed	95000 r/min
Limiting speed	60000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	8.4
Size	16x5x5 mm
Bore Diameter	16 mm
Outer Diameter	5 mm
Width	5 mm



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D	16 mm
B	5 mm
d <sub>1</sub>	8.4 mm
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Basic dynamic load rating - C	1.1 kN
Basic static load rating - C <sub>0</sub>	0.38 kN
Fatigue load limit - P <sub>u</sub>	0.016 kN
Reference speed	95000 r/min
Limiting speed	60000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	8.4
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.007
EAN	7316577112071
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



## BEARING PRECISION AXLE CORP.

Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	5MM Bore; 16MM Outside Diameter; 5MM 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	625 J
Weight / LBS	0.01
Outer Race Width	0.197 Inch   5 Millimeter
Outside Diameter	0.63 Inch   16 Millimeter
Bore	0.197 Inch   5 Millimeter
bore diameter:	5 mm
static load capacity:	0.38 kN
outside diameter:	16 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	5 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	5 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	60000 RPM



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internal clearance:	C0
series:	62
dynamic load capacity:	1.14 kN
$d_1$	8.4 mm
$D_2$	13.22 mm
$r_{1,2}$ min.	0.3 mm
$d_a$ min.	7.4 mm
$D_a$ max.	13.6 mm
$r_a$ max.	0.3 mm
Basic dynamic load rating C	1.14 kN
Basic static load rating $C_0$	0.38 kN
Fatigue load limit $P_u$	0.016 kN
Calculation factor $k_f$	0.025
Calculation factor $f_0$	8.4
Mass bearing	0.005 kg