



# BROWNING BEARING COMPANY



## 25 mm x 47 mm x 8 mm skf 16005 bearing

Bearing No. 16005

16005 Bearing 2D drawings and 3D CAD models

Size	47x25x8 mm
Bore Diameter	47 mm
Outer Diameter	25 mm
Width	8 mm
d	25 mm
D	47 mm
B	8 mm
d <sub>1</sub>	33.35 mm
D <sub>2</sub>	42.4 mm
r <sub>1,2</sub> - min.	0.3 mm
d <sub>a</sub> - min.	27 mm
D <sub>a</sub> - max.	45 mm
r <sub>a</sub> - max.	0.3 mm
Basic dynamic load rating - C	8.1 kN
Basic static load rating - C <sub>0</sub>	4.8 kN
Fatigue load limit - P <sub>u</sub>	0.212 kN
Reference speed	32000 r/min
Limiting speed	20000 r/min
Calculation factor - k <sub>r</sub>	0.02
Calculation factor - f <sub>0</sub>	15
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.063



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EAN	7316576676611
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; 47MM Outside Diameter; 8MM 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	16005
Weight / LBS	0.139
Bore	0.984 Inch   25 Millimeter
Outer Race Width	0.315 Inch   8 Millimeter
Outside Diameter	1.85 Inch   47 Millimeter
bore diameter:	25 mm
static load capacity:	4.75 kN
outside diameter:	47 mm
precision rating:	Not Rated



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overall width:	8 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	8 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	20000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	8.06 kN
$d_1$	33.35 mm
$r_{1,2}$ min.	0.3 mm
$d_a$ min.	27 mm
$D_a$ max.	45 mm
$r_a$ max.	0.3 mm
Basic dynamic load rating C	8.06 kN
Basic static load rating $C_0$	4.75 kN
Fatigue load limit $P_u$	0.212 kN
Calculation factor $k_r$	0.02
Calculation factor $f_0$	15
Mass bearing	0.055 kg