



# TIMKEN BEARINGS TRAINING INDUSTRY



6009 Bearing 2D drawings and 3D CAD models

## Fak SKF Deep Groove Ball Bearing Deep Groove Ball Bearing 6009 6011 6013 6015 6017 6019 6021

Bearing No. 6009

Size	75x45x16 mm
Bore Diameter	75 mm
Outer Diameter	45 mm
Width	16 mm
d	45 mm
D	75 mm
B	16 mm
d <sub>1</sub>	54.75 mm
D <sub>2</sub>	67.8 mm
r <sub>1,2</sub> - min.	1 mm
d <sub>a</sub> - min.	50.8 mm
D <sub>a</sub> - max.	69.2 mm
r <sub>a</sub> - max.	1 mm
Basic dynamic load rating - C	22.1 kN
Basic static load rating - C <sub>0</sub>	14.6 kN
Fatigue load limit - P <sub>u</sub>	0.64 kN
Reference speed	20000 r/min
Limiting speed	12000 r/min
Calculation factor - k <sub>r</sub>	0.025
Calculation factor - f <sub>0</sub>	14.9
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF



## TIMKEN BEARINGS TRAINING INDUSTRY

Minimum Buy Quantity	N/A
Weight / Kilogram	0.25
EAN	7316577094339
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	45MM Bore; 75MM Outside Diameter; 16MM 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	6009
Weight / LBS	0.55
Outside Diameter	2.953 Inch   75 Millimeter
Bore	1.772 Inch   45 Millimeter
Outer Race Width	0.63 Inch   16 Millimeter
d <sub>1</sub>	54.75 mm
D <sub>2</sub>	67.8 mm



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$r_{1,2}$ min.	1 mm
$d_a$ min.	50.8 mm
$D_a$ max.	69.2 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	22.1 kN
Basic static load rating $C_0$	14.6 kN
Fatigue load limit $P_u$	0.64 kN
Calculation factor $k_r$	0.025
Calculation factor $f_0$	14.9
Mass bearing	0.24 kg