

16008 SKF 40x68x9mm Calculation factor f0 16 Deep groove ball bearings

Bearing number	16008
Size (mm)	40x68x9
Brand	SKF
Bore Diameter (mm)	40
Outer Diameter (mm)	68
Width (mm)	9
d	40 mm
D	68 mm
B	9 mm
C	9 mm
d1	49.4 mm
r1 min.	0.3 mm
r2 min.	0.3 mm
D1	58.6 mm
D2	– mm
da min.	42 mm
Da max.	66 mm
rc max.	0.3 mm
Weight	0.13 Kg
Basic dynamic load rating (C)	13.8 kN
Basic static load rating (C0)	10.2 kN
Fatigue load limit (Pu)	0.44
Reference speed	22000 r/min
Limiting speed	14000 r/min

Calculation factor (f0)	16
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.137
EAN	7316576676659
Product Group – BDI	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	40MM Bore; 68MM Outside Diameter; 9MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	16008

Weight / LBS	0.302
Outer Race Width	0.354 Inch 9 Millimeter
Bore	1.575 Inch 40 Millimeter
Outside Diameter	2.677 Inch 68 Millimeter
bore diameter:	40 mm
static load capacity:	10.2 kN
outside diameter:	68 mm
precision rating:	Not Rated
overall width:	9 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	9 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	14000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	13.8 kN
$d_1 \approx$	49.4 mm
$D_1 \approx$	58.6 mm
$r_{1,2} \text{ min.}$	0.3 mm
$d_a \text{ min.}$	42 mm
$D_a \text{ max.}$	66 mm
$r_a \text{ max.}$	0.3 mm
Basic dynamic load rating C	13.8 kN

Basic static load rating C_0	10.2 kN
Fatigue load limit P_u	0.44 kN
Calculation factor k_r	0.02
Calculation factor f_0	16
Mass bearing	0.13 kg