

16101 SKF internal clearance: C0 12x30x8mm Deep groove ball bearings

Bearing number	16101
Size (mm)	12x30x8
Brand	SKF
Bore Diameter (mm)	12
Outer Diameter (mm)	30
Width (mm)	8
d	12 mm
D	30 mm
B	8 mm
C	8 mm
d1	17 mm
r1 min.	0.3 mm
r2 min.	0.3 mm
D1	23.4 mm
D2	24.8 mm
da min.	14.4 mm
Da max.	27.6 mm
rc max.	0.3 mm
Weight	0.026 Kg
Basic dynamic load rating (C)	5.07 kN
Basic static load rating (C0)	2.36 kN
Fatigue load limit (Pu)	0.1
Reference speed	60000 r/min
Limiting speed	38000 r/min

Calculation factor (f0)	13
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.029
EAN	7316577016041
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	12MM Bore; 30MM Outside Diameter; 8MM 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	16101

Weight / LBS	0.064
Outer Race Width	0.315 Inch 8 Millimeter
Outside Diameter	1.181 Inch 30 Millimeter
Bore	0.472 Inch 12 Millimeter
bore diameter:	12 mm
static load capacity:	2.36 kN
outside diameter:	30 mm
precision rating:	Not Rated
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:	38000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	5.07 kN
$d_1 \approx$	17 mm
$D_2 \approx$	24.72 mm
$r_{1,2} \text{ min.}$	0.3 mm
$d_a \text{ min.}$	14.4 mm
$D_a \text{ max.}$	27.6 mm
$r_a \text{ max.}$	0.3 mm
Basic dynamic load rating C	5.07 kN

Basic static load rating C_0	2.36 kN
Fatigue load limit P_u	0.1 kN
Calculation factor k_r	0.025
Calculation factor f_0	13
Mass bearing	0.026 kg