

# 16101-2Z SKF 12x30x8mm

## Fatigue load limit Pu 0.1 kN

### Deep groove ball bearings

Bearing number	16101-2Z
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
d2	– mm
r1 min.	14.4 mm
r2 min.	14.4 mm
D1	24.8 mm
D2	0.3 mm
da min.	16.6 mm
Da max.	27.6 mm
ra max.	0.3 mm
Weight	0.028 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	30000 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	0.03
EAN	7316577016058
Product Group – BDI	B00308
Enclosure	2 Metal Shields
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; 2 Metal Shields; 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	16101-2Z
Weight / LBS	0.067
Bore	0.472 Inch   12 Millimeter
Outside Diameter	1.181 Inch   30 Millimeter
Outer Race Width	0.315 Inch   8 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:	Double Shielded
outer ring width:	8 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
internal clearance:	C0
maximum rpm:	30000 RPM
dynamic load capacity:	5.07 kN
series:	16
$d_1 \approx$	17 mm
$D_2 \approx$	24.72 mm
$r_{1,2} \text{ min.}$	0.3 mm
$d_a \text{ min.}$	14.4 mm
$d_a \text{ max.}$	16.6 mm

$D_a$ max.	27.6 mm
$r_a$ 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	0.028 kg