

16011 SKF 90x55x11mm r1,2 min. 0.6 mm Deep groove ball bearings

Category	Single Row Ball Bearings
BDI Inventory	7.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.27
EAN	7316577015884
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	55MM Bore; 90MM Outside Diameter; 11MM 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	16011
Weight / LBS	0.6
Outside Diameter	3.543 Inch 90 Millimeter
Outer Race Width	0.433 Inch 11 Millimeter
Bore	2.165 Inch 55 Millimeter
Bearing number	16011
Size (mm)	90x55x11
Brand	SKF
Bore Diameter (mm)	90
Outer Diameter (mm)	55
Width (mm)	11
d	55 mm
D	90 mm
B	11 mm
d_1	67 mm
D_1	78.1 mm
$r_{1,2} - \text{min.}$	0.6 mm
$d_a - \text{min.}$	58.2 mm
$D_a - \text{max.}$	86.8 mm
$r_a - \text{max.}$	0.6 mm
Basic dynamic load rating – C	20.3 kN
Basic static load rating – C_0	14 kN
Fatigue load limit – P_u	0.695 kN
Reference speed	16000 r/min
Limiting speed	10000 r/min

Calculation factor – k_r	0.02
Calculation factor – f_0	14
bore diameter:	55 mm
static load capacity:	14 kN
outside diameter:	90 mm
precision rating:	Not Rated
overall width:	11 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	11 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	10000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	20.3 kN
$d_1 \approx$	67 mm
$D_1 \approx$	78.1 mm
$r_{1,2} \text{ min.}$	0.6 mm
$d_a \text{ min.}$	58.2 mm
$D_a \text{ max.}$	86.8 mm
$r_a \text{ max.}$	0.6 mm
Basic dynamic load rating C	20.3 kN
Basic static load rating C_0	14 kN
Fatigue load limit P_u	0.695 kN

Calculation factor k_r	0.02
Calculation factor f_θ	14
Mass bearing	0.26 kg