

1218 SKF 90x160x30mm d1 ≈ 112.5 mm Self aligning ball bearings

Bearing number	1218
Size (mm)	90x160x30
Brand	SKF
Bore Diameter (mm)	90
Outer Diameter (mm)	160
Width (mm)	30
d	90 mm
D	160 mm
B	30 mm
C	30 mm
d2	112 mm
r1 min.	2 mm
r2 min.	2 mm
D1	142 mm
da min.	101 mm
Da max.	149 mm
ra max.	2 mm
Weight	2.5 Kg
Basic dynamic load rating (C)	57.2 kN
Basic static load rating (C0)	23.6 kN
Fatigue load limit (Pu)	1.08
Reference speed	8500 r/min
Limiting speed	5300 r/min
Calculation factor (e)	0.17

Calculation factor (kr)	0.04
Calculation factor (Y0)	4
Calculation factor (Y1)	3.7
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.568
EAN	7316576605420
Product Group – BDI	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1 ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
Long Description	90MM Bore; Shaft Mount; 160MM Outside Diameter; 30MM Inner Race Width; 30MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Inch – Metric	Metric
Category – BDI	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning

Manufacturer URL	http://www.skf.com
Manufacturer Item Number	1218
Weight / LBS	5.657
Bore	3.543 Inch 90 Millimeter
Outside Diameter	6.299 Inch 160 Millimeter
Inner Race Width	1.181 Inch 30 Millimeter
Outer Race Width	1.181 Inch 30 Millimeter
bore diameter:	90 mm
precision rating:	Not Rated
outside diameter:	160 mm
maximum rpm:	5300 RPM
overall width:	30 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	30 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	57.2 kN
series:	1200
static load capacity:	23.6 kN
$d_1 \approx$	112.5 mm
$D_1 \approx$	138.7 mm
$r_{1,2} \text{ min.}$	2 mm
$d_a \text{ min.}$	101 mm
$D_a \text{ max.}$	149 mm
$r_a \text{ max.}$	2 mm

Basic dynamic load rating C	57.2 kN
Basic static load rating C_0	23.6 kN
Fatigue load limit P_u	1.08 kN
Permissible angular misalignment α	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.17
Calculation factor Y_0	4
Calculation factor Y_1	3.7
Calculation factor Y_2	5.7
Mass bearing	2.5 kg