



Bearing No. 1218 K

D	160 mm
d	90 mm
B	30 mm
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	1200
Category	Self Aligning Ball Bearings
Size (mm)	160x90x30
Enclosure	Open
Inventory	0.0
bore type:	Tapered 1:12
Width (mm)	30
maximum rpm:	5300 RPM
Weight / LBS	5.291
Mass bearing	2.4 kg
closure type:	Open
d ₁	112.5 mm
D ₁	138.7 mm
Inch - Metric	Metric
Product Group	B00152
Cage Material	Steel
Bearing number	1218 K
Adapter Sleeve	H-218
fillet radius:	2 mm
overall width:	30 mm
bore diameter:	90 mm
Limiting speed	5300 r/min

Keyword String	Self Aligning
Other Features	Allowable Misalignment 3 Deg 1:12 Taper
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Reference speed	8500 r/min
Rolling Element	Ball Bearing
Mounting Method	Tapered Adapter
Manufacturer URL	http://www.skf.com
Inner Race Width	1.181 Inch 30 Millimeter
Outside Diameter	6.299 Inch 160 Millimeter
Outer Race Width	1.181 Inch 30 Millimeter
Long Description	90MM Bore; Tapered Adapter 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
Weight / Kilogram	2.538
outside diameter:	160 mm
Manufacturer Name	SKF
precision rating:	Not Rated
outer ring width:	30 mm
Bore Diameter (mm)	160
r _a max.	2 mm
D _a max.	149 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Outer Diameter (mm)	90
r _a - max.	2 mm

$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
D_a - max.	149 mm
Calculation factor e	0.17
static load capacity:	23.6 kN
d_1 ?	112.5 mm
D_1 ?	138.7 mm
dynamic load capacity:	57.2 kN
Calculation factor - e	0.17
$r_{1,2}$ - min.	2 mm
Harmonized Tariff Code	8482.10.50.68
Number of Rows of Balls	Double Row
Manufacturer Item Number	1218 K
Basic dynamic load rating C	57.2 kN
Basic dynamic load rating - C	57.2 kN
Fatigue load limit P_u	1.08 kN
Calculation factor Y_2	5.7
Calculation factor Y_1	3.7
Calculation factor Y_0	4
Calculation factor k_r	0.04
Calculation factor - Y_0	4
Calculation factor - k_r	0.04
Fatigue load limit - P_u	1.1 kN
Calculation factor - Y_2	5.7
Calculation factor - Y_1	3.7
Permissible angular misalignment ?	2.5 °
Basic static load rating C_0	23.6 kN
Basic static load rating -	23.6 kN

C ₀	
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