



Bearing No. 1218 K

Size	160x90x30 mm
Bore Diameter	160 mm
Outer Diameter	90 mm
Width	30 mm
d	90 mm
D	160 mm
B	30 mm
d <sub>1</sub>	112.5 mm
D <sub>1</sub>	138.7 mm
r <sub>1,2</sub> - min.	2 mm
D <sub>a</sub> - max.	149 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	57.2 kN
Basic static load rating - C <sub>0</sub>	23.6 kN
Fatigue load limit - P <sub>u</sub>	1.1 kN
Reference speed	8500 r/min
Limiting speed	5300 r/min
Calculation factor - k <sub>r</sub>	0.04
Calculation factor - e	0.17
Calculation factor - Y <sub>0</sub>	4
Calculation factor - Y <sub>1</sub>	3.7
Calculation factor - Y <sub>2</sub>	5.7
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.538

EAN	7316576605437
Product Group - BDI	B00152
Mounting Method	Tapered Adapter
Enclosure	Open
Rolling Element	Ball Bearing
Adapter Sleeve	H-218
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   1:12 Taper
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
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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	1218 K
Weight / LBS	5.291
Bore	3.543 Inch   90 Millimeter
Outer Race Width	1.181 Inch   30 Millimeter

Outside Diameter	6.299 Inch   160 Millimeter
Inner Race Width	1.181 Inch   30 Millimeter
bore diameter:	90 mm
static load capacity:	23.6 kN
outside diameter:	160 mm
precision rating:	Not Rated
overall width:	30 mm
maximum rpm:	5300 RPM
bore type:	Tapered 1:12
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
$d_1$ ?	112.5 mm
$D_1$ ?	138.7 mm
$r_{1,2}$ min.	2 mm
$D_a$ max.	149 mm
$r_a$ 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 ?	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	2.4 kg