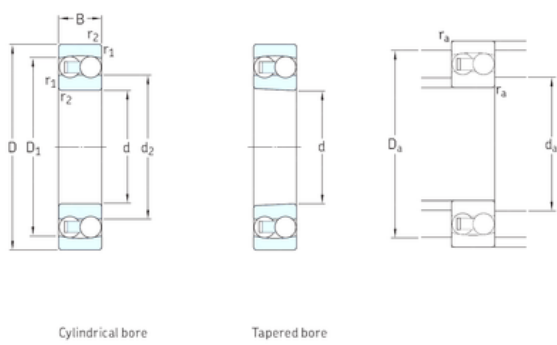




Bearing No. 1218

D	160 mm
d	90 mm
B	30 mm
C	30 mm
D1	142 mm
d2	112 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Weight	2,5 Kg
UNSPSC	31171532
r1 min.	2 mm
r2 min.	2 mm
da min.	101 mm
Da max.	149 mm
ra max.	2 mm
series:	1200
Category	Self Aligning Ball Bearings
Size (mm)	90x160x30
Enclosure	Open
Inventory	0.0
Width (mm)	30
bore type:	Straight
maximum rpm:	5300 RPM
Weight / LBS	5.657
Mass bearing	2.5 kg
Cage Material	Steel
closure type:	Open
Product Group	B00152
Inch - Metric	Metric

Bearing number	1218
Keyword String	Self Aligning
bore diameter:	90 mm
Limiting speed	5300 r/min
Other Features	Allowable Misalignment 3 Deg
overall width:	30 mm
fillet radius:	2 mm
cage material:	Steel
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Mounting Method	Shaft
finish/coating:	Uncoated
Reference speed	8500 r/min
Outside Diameter	6.299 Inch 160 Millimeter
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
Manufacturer URL	http://www.skf.com
Outer Race Width	1.181 Inch 30 Millimeter
Inner Race Width	1.181 Inch 30 Millimeter
outside diameter:	160 mm
outer ring width:	30 mm
precision rating:	Not Rated
Weight / Kilogram	2.568
Manufacturer Name	SKF
Bore Diameter (mm)	90

r_a max.	2 mm
D_a max.	149 mm
d_a min.	101 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	160
internal clearance:	C0
Calculation factor e	0.17
$r_{1,2}$ min.	2 mm
Minimum Buy Quantity	N/A
static load capacity:	23.6 kN
d_1 ?	112.5 mm
D_1 ?	138.7 mm
Calculation factor (e)	0,17
dynamic load capacity:	57.2 kN
Harmonized Tariff Code	8482.10.50.68
Calculation factor (Y1)	3,7
Fatigue load limit (Pu)	1,08
Calculation factor (kr)	0,04
Number of Rows of Balls	Double Row
Calculation factor (Y0)	4
Manufacturer Item Number	1218
Basic dynamic load rating C	57.2 kN
Basic dynamic load rating (C)	57,2 kN
Basic static load rating (C0)	23,6 kN
Fatigue load limit P_u	1.08 kN
Calculation factor k_r	0.04
Calculation factor Y_0	4
Calculation factor Y_1	3.7
Calculation factor Y_2	5.7

Permissible angular misalignment ?	2.5 °
Basic static load rating C ₀	23.6 kN