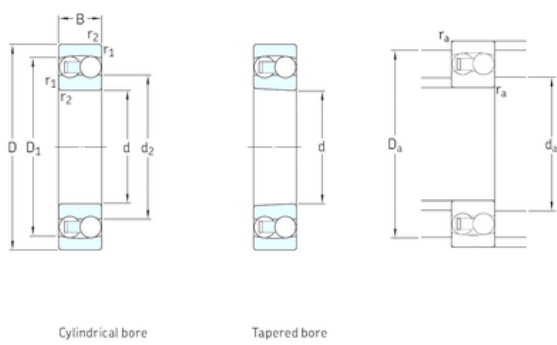




Bearing No. 1220

D	180 mm
d	100 mm
B	34 mm
C	34 mm
D1	159 mm
d2	127 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
Weight	3,7 Kg
UNSPSC	31171532
r1 min.	2,1 mm
r2 min.	2,1 mm
da min.	112 mm
Da max.	168 mm
ra max.	2 mm
series:	1200
Category	Self Aligning Ball Bearings
Size (mm)	100x180x34
Enclosure	Open
Inventory	0.0
Width (mm)	34
bore type:	Straight
maximum rpm:	4800 RPM
Weight / LBS	8.4
Mass bearing	3.7 kg
Cage Material	Steel
closure type:	Open
Product Group	B00152
Inch - Metric	Metric

Bearing number	1220
Keyword String	Self Aligning
bore diameter:	100 mm
Limiting speed	4800 r/min
Other Features	Allowable Misalignment 3 Deg
overall width:	34 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	7500 r/min
Inner Race Width	1.339 Inch 34 Millimeter
Long Description	100MM Bore; Shaft Mount; 180MM Outside Diameter; 34MM Inner Race Width; 34MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter
Outer Race Width	1.339 Inch 34 Millimeter
outside diameter:	180 mm
outer ring width:	34 mm
precision rating:	Not Rated
Weight / Kilogram	3.814
Manufacturer Name	SKF
Bore Diameter (mm)	100

r_a max.	2 mm
D_a max.	168 mm
d_a min.	112 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	180
internal clearance:	C0
Calculation factor e	0.17
$r_{1,2}$ min.	2.1 mm
Minimum Buy Quantity	N/A
static load capacity:	30 kN
d_1 ?	127 mm
D_1 ?	155.8 mm
Calculation factor (e)	0,17
dynamic load capacity:	68.9 kN
Harmonized Tariff Code	8482.10.50.68
Calculation factor (Y1)	3,7
Fatigue load limit (Pu)	1,29
Calculation factor (kr)	0,04
Number of Rows of Balls	Double Row
Calculation factor (Y0)	4
Manufacturer Item Number	1220
Basic dynamic load rating C	68.9 kN
Basic dynamic load rating (C)	68,9 kN
Basic static load rating (C0)	30 kN
Fatigue load limit P_u	1.29 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	30 kN