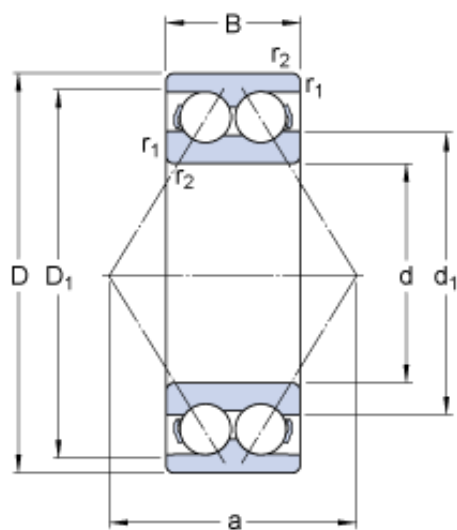




Bearing No. 3220 A

a	107 mm
d	100 mm
D	180 mm
B	60.3 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
Width	2.374 Inch 60.3 Millimeter
UNSPSC	31171531
series:	32
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	180x100x60.3
Inventory	0.0
Width (mm)	60,3
Weight / LBS	12.527
maximum rpm:	3200 RPM
Flush Ground	No
Mass bearing	6.1 kg
Contact Angle	24 Degree
Cage Material	Steel
closure type:	Open
Product Group	B00152
Inch - Metric	Metric
d ₁	126.55 mm
D ₁	161.05 mm
Bearing number	3220 A
Keyword String	Angular Contact

fillet radius:	2 mm
contact angle:	30 °
overall width:	2.3750 in
cage material:	Metal
bore diameter:	100 mm
Limiting speed	3200 r/min
Precision Class	ABEC 3 ISO P6
finish/coating:	Uncoated
Reference speed	3000 r/min
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter
Long Description	100MM Bore; 180MM Outside Diameter; 60.3MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
precision rating:	Not Rated
Manufacturer Name	SKF
Weight / Kilogram	5.902
outside diameter:	180 mm
outer ring width:	60.3 mm
Number of Bearings	1 (Single)
r _a max.	2 mm
Internal Clearance	C0-Medium
Bore Diameter (mm)	180
d _a min.	112 mm
D _a max.	168 mm
internal clearance:	C0
Outer Diameter (mm)	100

d_a - min.	112 mm
Calculation factor e	0.8
r_a - max.	2 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2.1 mm
Calculation factor X	0.63
D_a - max.	168 mm
D_1 ?	161.05 mm
row type & fill slot:	Double-Row Non-Fill Slot
d_1 ?	126.55 mm
Calculation factor - e	0.8
$r_{1,2}$ - min.	2.1 mm
Calculation factor - X	0.63
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Double Row
Manufacturer Item Number	5220 A
Basic dynamic load rating C	178 kN
radial static load capacity:	166 kN
radial dynamic load capacity:	178 kN
Basic dynamic load rating - C	178 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_2	1.24
Calculation factor Y_1	0.78
Calculation factor Y_0	0.66
Fatigue load limit P_u	6 kN
Calculation factor k_r	0.06
Calculation factor - k_r	0.06

Calculation factor - Y_1	0.78
Calculation factor - Y_0	0.66
Calculation factor - Y_2	1.24
Fatigue load limit - P_u	6 kN
Basic static load rating C_0	166 kN
Basic static load rating - C_0	166 kN