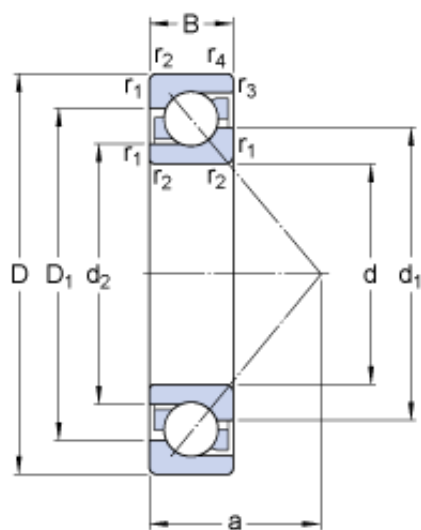




Bearing No. 7220 BEP

a	76 mm
d	100 mm
D	180 mm
B	34 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
Width	1.339 Inch 34 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	180x100x34
Inventory	0.0
Width (mm)	34
Weight / LBS	7.033
maximum rpm:	4000 RPM
Flush Ground	No
Mass bearing	3.3 kg
Contact Angle	40 Degree
Cage Material	Polymer
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	130.95 mm
d ₂	115.22 mm
D ₁	150.9 mm

Bearing number	7220 BEP
Keyword String	Angular Contact
fillet radius:	2 mm
contact angle:	40 °
overall width:	34 mm
cage material:	Nylon
bore diameter:	100 mm
Limiting speed	4000 r/min
finish/coating:	Uncoated
Reference speed	4000 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Outside Diameter	7.087 Inch 180 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	100MM Bore; 180MM Outside Diameter; 34MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
outer ring width:	34 mm
outside diameter:	180 mm
precision rating:	Not Rated
Manufacturer Name	SKF
Weight / Kilogram	3.19
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	112 mm
Bore Diameter (mm)	180
D _a max.	168 mm
D _b max.	173 mm
r _a max.	2 mm

r_b max.	1 mm
Outer Diameter (mm)	100
internal clearance:	C0
$r_{1,2}$ min.	2.1 mm
Calculation factor A	0.239
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1.1 mm
Minimum Buy Quantity	N/A
D_a - max.	168 mm
r_b - max.	1 mm
r_a - max.	2 mm
D_b - max.	173 mm
d_a - min.	112 mm
d_2 ?	115.22 mm
D_1 ?	150.9 mm
d_1 ?	130.95 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	2.1 mm
$r_{3,4}$ - min.	1.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7220 BEP
Basic dynamic load rating C	135 kN
radial static load capacity:	122 kN
Basic dynamic load rating - C	135 kN
radial dynamic load capacity:	135 kN

Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor k_r	0.095
Fatigue load limit P_u	4.4 kN
Calculation factor Y_0	0.52
Fatigue load limit - P_u	4.4 kN
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - k_a	1.4
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.095
Basic static load rating C_0	122 kN
Basic static load rating - C_0	122 kN