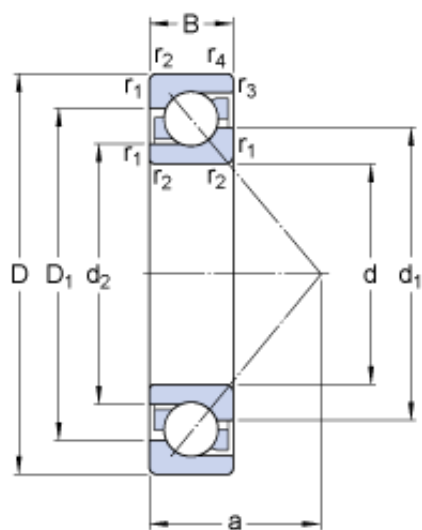




Bearing No. 7312 BECBY

a	55 mm
d	60 mm
D	130 mm
B	31 mm
Noun	Bearing
Bore	2.362 Inch 60 Millimeter
Width	1.22 Inch 31 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	130x60x31
Inventory	5.0
Width (mm)	31
Weight / LBS	3.86
maximum rpm:	6000 RPM
Flush Ground	Yes
Mass bearing	1.75 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	72.6 mm
d ₁	87.25 mm
D ₁	104.8 mm
Other Features	Normal Axial Internal

	Clearance
fillet radius:	2 mm
contact angle:	40 °
overall width:	31 mm
cage material:	Brass
bore diameter:	60 mm
Keyword String	Angular Contact
Bearing number	7312 BECBY
Limiting speed	6000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	6000 r/min
Long Description	60MM Bore; 130MM Outside Diameter; 31MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	5.118 Inch 130 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	1.751
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	130 mm
Manufacturer Name	SKF
outer ring width:	31 mm
d _a min.	72 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	130
r _b max.	1 mm
r _a max.	2 mm
Internal Clearance	CB

D _b max.	123 mm
D _a max.	118 mm
internal clearance:	C0
Outer Diameter (mm)	60
r _{1,2} min.	2.1 mm
Calculation factor A	0.0846
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
r _{3,4} min.	1.1 mm
r _b - max.	1 mm
r _a - max.	2 mm
D _b - max.	123 mm
d _a - min.	72 mm
Minimum Buy Quantity	N/A
D _a - max.	118 mm
D ₁ ?	104.8 mm
d ₂ ?	72.6 mm
d ₁ ?	87.25 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7312 BECBY
Basic dynamic load rating C	104 kN
radial static load capacity:	69.5 kN
radial dynamic load	95.6 kN

capacity:	
Basic dynamic load rating - C	95.6 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.1
Fatigue load limit P_u	3.2 kN
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	3 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Basic static load rating C_0	76.5 kN
Basic static load rating - C_0	69.5 kN