



Bearing No. 7312 BEGBP

D	130 mm
d	60 mm
B	31 mm
a	55 mm
Bore	2.362 Inch 60 Millimeter
Noun	Bearing
Width	1.22 Inch 31 Millimeter
UNSPSC	31171531
Preload	Medium
series:	73
Category	Angular Contact Ball Bearing
Size (mm)	130x60x31
Inventory	0.0
Snap Ring	No
Enclosure	Open
Width (mm)	31
Weight / LBS	3.86
Flush Ground	Yes
Mass bearing	1.75 kg
maximum rpm:	6700 RPM
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polymer
D ₁	104.8 mm
d ₂	72.6 mm
d ₁	87.25 mm
closure type:	Open

Keyword String	Angular Contact
overall width:	31 mm
contact angle:	40 °
fillet radius:	2 mm
bore diameter:	60 mm
Bearing number	7312 BEGBP
Limiting speed	6700 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	6700 r/min
Manufacturer URL	http://www.skf.com
Outside Diameter	5.118 Inch 130 Millimeter
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
outer ring width:	31 mm
outside diameter:	130 mm
Manufacturer Name	SKF
Weight / Kilogram	1.752
precision rating:	Not Rated
Bore Diameter (mm)	130
Internal Clearance	C0-Medium
d _a min.	72 mm
Number of Bearings	1 (Single)
D _a max.	118 mm
D _b max.	123 mm
r _a max.	2 mm
r _b max.	1 mm

Outer Diameter (mm)	60
internal clearance:	C0
d_a - min.	72 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	2.1 mm
Calculation factor A	0.0846
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	1.1 mm
D_a - max.	118 mm
Mounting Arrangement	Universal
D_b - max.	123 mm
r_a - max.	2 mm
r_b - max.	1 mm
row type & fill slot:	Single-Row Non-Fill Slot
d_1 ?	87.25 mm
d_2 ?	72.6 mm
D_1 ?	104.8 mm
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Calculation factor - X	0.35
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7312 BEGBP
Basic dynamic load rating C	104 kN
radial static load capacity:	76.5 kN
Basic dynamic load rating - C	104 kN
radial dynamic load capacity:	104 kN

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