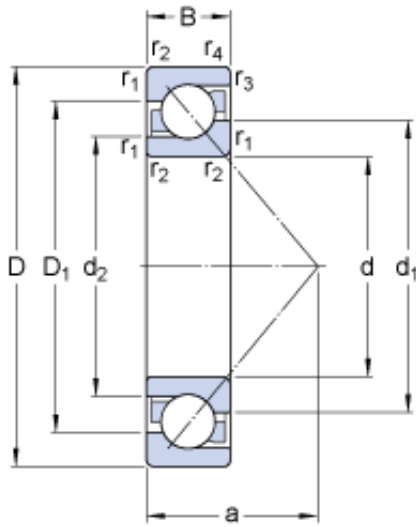




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60 mm x 130 mm x 31 mm SKF 7312 BEGBY
angular contact ball bearings

Bearing No. 7312 BEGBY

7312 BEGBY Bearing 2D drawings and 3D CAD models

Size	130x60x31 mm
Bore Diameter	130 mm
Outer Diameter	60 mm
Width	31 mm
d	60 mm
D	130 mm
B	31 mm
d ₁	87.25 mm
d ₂	72.6 mm
D ₁	104.8 mm
a	55 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
d _a - min.	72 mm
D _a - max.	118 mm
D _b - max.	123 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	95.6 kN
Basic static load rating - C ₀	69.5 kN
Fatigue load limit - P _u	3 kN
Reference speed	6000 r/min
Limiting speed	6000 r/min
Calculation factor - k _r	0.1



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Calculation factor - k_a	1.6
Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y_0	0.52
Calculation factor - Y_1	0.55
Calculation factor - Y_2	0.93
Calculation factor - X	0.35
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.75
EAN	7316576650710
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Medium
Mounting Arrangement	Universal



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Inch - Metric	Metric
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
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7312 BEGBY
Weight / LBS	3.86
Bore	2.362 Inch 60 Millimeter
Outside Diameter	5.118 Inch 130 Millimeter
Width	1.22 Inch 31 Millimeter
bore diameter:	60 mm
radial static load capacity:	69.5 kN
outside diameter:	130 mm
cage material:	Brass
overall width:	31 mm
outer ring width:	31 mm
contact angle:	40 °
maximum rpm:	6000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	2 mm



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radial dynamic load capacity:	95.6 kN
series:	73
d_1	87.25 mm
d_2	72.6 mm
D_1	104.8 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	72 mm
D_a max.	118 mm
D_b max.	123 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating C_0	69.5 kN
Fatigue load limit P_u	3 kN
Calculation factor A	0.0846
Calculation factor k_r	0.1
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y_0	0.26
Calculation factor Y_2	0.57
Calculation factor X	0.57
Calculation factor Y_0	0.52
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Mass bearing	1.75 kg