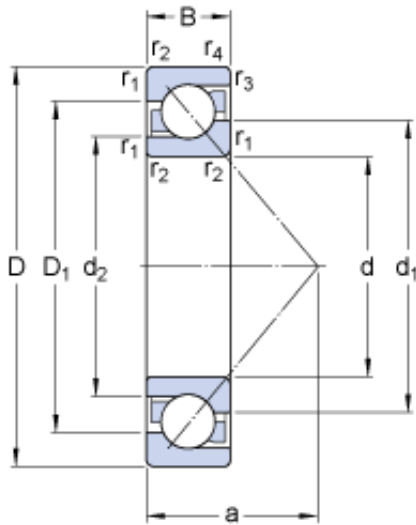




# Qingdao Flow Group Limited



7312 BECBY Bearing 2D drawings and 3D CAD models

## 60 mm x 130 mm x 31 mm SKF 7312 BECBY angular contact ball bearings

Bearing No. 7312 BECBY

Size	130x60x31 mm
Bore Diameter	130 mm
Outer Diameter	60 mm
Width	31 mm
d	60 mm
D	130 mm
B	31 mm
d <sub>1</sub>	87.25 mm
d <sub>2</sub>	72.6 mm
D <sub>1</sub>	104.8 mm
a	55 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	72 mm
D <sub>a</sub> - max.	118 mm
D <sub>b</sub> - max.	123 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	95.6 kN
Basic static load rating - C <sub>0</sub>	69.5 kN
Fatigue load limit - P <sub>u</sub>	3 kN
Reference speed	6000 r/min
Limiting speed	6000 r/min
Calculation factor - k <sub>r</sub>	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	5.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.751
EAN	7316576650734
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	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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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
Other Features	Normal Axial Internal Clearance
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7312 BECBY
Weight / LBS	3.86
Outside Diameter	5.118 Inch   130 Millimeter
Width	1.22 Inch   31 Millimeter
Bore	2.362 Inch   60 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	104 kN
Basic static load rating $C_0$	76.5 kN
Fatigue load limit $P_u$	3.2 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