



Bearing No. 7306 BECBY

a	31 mm
d	30 mm
D	72 mm
B	19 mm
Noun	Bearing
Bore	1.181 Inch 30 Millimeter
Width	0.748 Inch 19 Millimeter
UNSPSC	31171531
series:	73
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	72x30x19
Inventory	13.0
Width (mm)	19
Weight / LBS	0.814
maximum rpm:	12000 RPM
Flush Ground	Yes
Mass bearing	0.34 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	37.9 mm
d ₁	46.5 mm
D ₁	56.6 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	1 mm
contact angle:	40 °
overall width:	19 mm
cage material:	Brass
bore diameter:	30 mm
Keyword String	Angular Contact
Bearing number	7306 BECBY
Limiting speed	12000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	12000 r/min
Long Description	30MM Bore; 72MM Outside Diameter; 19MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	2.835 Inch 72 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	0.37
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	72 mm
Manufacturer Name	SKF
outer ring width:	19 mm
d _a min.	37 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	72
r _b max.	0.6 mm
r _a max.	1 mm

Internal Clearance	CB
D_b max.	67.8 mm
D_a max.	65 mm
internal clearance:	C0
Outer Diameter (mm)	30
$r_{1,2}$ min.	1.1 mm
Calculation factor A	0.00814
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
$r_{3,4}$ min.	0.6 mm
r_b - max.	0.6 mm
r_a - max.	1 mm
D_b - max.	67.8 mm
d_a - min.	37 mm
Minimum Buy Quantity	N/A
D_a - max.	65 mm
D_1 ?	56.6 mm
d_2 ?	37.9 mm
d_1 ?	46.5 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7306 BECBY
Basic dynamic load rating C	37.5 kN
radial static load capacity:	21.2 kN

radial dynamic load capacity:	34.5 kN
Basic dynamic load rating - C	34.5 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	0.98 kN
Calculation factor - k_r	0.1
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	0.9 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Basic static load rating C_0	23.2 kN
Basic static load rating - C_0	21.2 kN