



PFG BEARING LIMITED



7307 becbp Bearing 2D drawings and 3D CAD models

35 mm x 80 mm x 21 mm skf 7307 becbp bearing

Bearing No. 7307 becbp

Size	80x35x21 mm
Bore Diameter	80 mm
Outer Diameter	35 mm
Width	21 mm
d	35 mm
D	80 mm
B	21 mm
d ₁	52.65 mm
d ₂	43.62 mm
D ₁	63.45 mm
a	35 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
d _a - min.	44 mm
D _a - max.	71 mm
D _b - max.	74.4 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
Basic dynamic load rating - C	41.5 kN
Basic static load rating - C ₀	26.5 kN
Fatigue load limit - P _u	1.1 kN
Reference speed	11000 r/min
Limiting speed	11000 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	9.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.44
EAN	7316576650529
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	Polymer
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	35MM Bore; 80MM Outside Diameter; 21MM 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	http://www.skf.com
Manufacturer Item Number	7307 BECBP
Weight / LBS	0.979
Outside Diameter	3.15 Inch 80 Millimeter
Bore	1.378 Inch 35 Millimeter
Width	0.827 Inch 21 Millimeter
bore diameter:	35 mm
radial static load capacity:	26.5 kN
outside diameter:	80 mm
cage material:	Nylon
overall width:	21 mm
outer ring width:	21 mm
contact angle:	40 °
maximum rpm:	11000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	1.5 mm



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radial dynamic load capacity:	41.5 kN
series:	73
d_1	52.5 mm
d_2	43.62 mm
D_1	63.45 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	44 mm
D_a max.	71 mm
D_b max.	74.4 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	41.5 kN
Basic static load rating C_0	26.5 kN
Fatigue load limit P_u	1.14 kN
Calculation factor A	0.0111
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	0.45 kg