



Bearing No. 7317 BEP

D	180 mm
d	85 mm
B	41 mm
a	76 mm
Bore	3.346 Inch 85 Millimeter
Noun	Bearing
Width	1.614 Inch 41 Millimeter
UNSPSC	31171531
series:	7300
weight:	9.81 lbs
Category	Angular Contact Ball Bearing
Size (mm)	180x85x41
Enclosure	Open
Snap Ring	No
Inventory	0.0
bore type:	Round
Width (mm)	41
Flush Ground	No
Mass bearing	4.45 kg
maximum rpm:	4300 rpm
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Polyamide
D ₁	144.95 mm
d ₂	103.03 mm
d ₁	122.3 mm

closure type:	Open
bore diameter:	85 mm
cage material:	Polyamide 66
Keyword String	Angular Contact
contact angle:	40 °
fillet radius:	3 mm
overall width:	41 mm
Bearing number	7317 BEP
Limiting speed	4300 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Reference speed	4300 r/min
Long Description	85MM Bore; 180MM Outside Diameter; 41MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide Cage; 40 Degree; 1 (Single
Outside Diameter	7.087 Inch 180 Millimeter
Manufacturer URL	http://www.skf.com
bearing material:	Steel
outside diameter:	180 mm
Weight / Kilogram	4.26
Manufacturer Name	SKF
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
r _b max.	1 mm
r _a max.	2.5 mm
D _b max.	173 mm

D _a max.	166 mm
d _a min.	99 mm
Bore Diameter (mm)	180
Outer Diameter (mm)	85
Calculation factor X	0.57
Calculation factor e	1.14
Calculation factor A	0.27
maximum temperature:	257 °F
r _b - max.	1 mm
r _a - max.	2.5 mm
D _b - max.	173 mm
D _a - max.	166 mm
r _{1,2} min.	3 mm
Minimum Buy Quantity	N/A
d _a - min.	99 mm
r _{3,4} min.	1.1 mm
row type & fill slot:	Single-Row Non-Fill Slot
D ₁ ?	144.95 mm
d ₂ ?	103.03 mm
d ₁ ?	122.3 mm
r _{1,2} - min.	3 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
r _{3,4} - min.	1.1 mm
Calculation factor - e	1.14
Number of Rows of Balls	Single Row
Manufacturer Item Number	7317 BEP
manufacturer upc number:	7316577151155
manufacturer product page:	Click here
Basic dynamic load	146 kN

rating C	
radial static load capacity:	122 kN
Basic dynamic load rating - C	146 kN
radial dynamic load capacity:	146 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Calculation factor k_r	0.1
Fatigue load limit P_u	4.5 kN
Fatigue load limit - P_u	4.5 kN
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.6
Calculation factor - k_r	0.1
Calculation factor - Y_1	
Calculation factor - Y_0	0.26
Basic static load rating C_0	122 kN
Basic static load rating - C_0	122 kN