



Bearing No. 7317 BEM

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
Category	Angular Contact Ball Bearing
Inventory	0.0
Snap Ring	No
Enclosure	Open
Size (mm)	180x85x41
Width (mm)	41
Flush Ground	No
Mass bearing	4.45 kg
Contact Angle	40 Degree
Cage Material	Brass
Inch - Metric	Metric
D ₁	144.95 mm
d ₂	103.03 mm
d ₁	122.3 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7317 BEM
Limiting speed	4500 r/min
Reference speed	4300 r/min

Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Outside Diameter	7.087 Inch 180 Millimeter
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; Brass Cage; 40 Degree; 1 (Single)
Weight / Kilogram	4.84
Manufacturer Name	SKF
d_a min.	99 mm
D_b max.	173 mm
D_a max.	166 mm
r_a max.	2.5 mm
Internal Clearance	C0-Medium
r_b max.	1 mm
Bore Diameter (mm)	180
Number of Bearings	1 (Single)
Outer Diameter (mm)	85
d_a - min.	99 mm
D_a - max.	166 mm
r_b - max.	1 mm
D_b - max.	173 mm
r_a - max.	2.5 mm
$r_{1,2}$ min.	3 mm
Minimum Buy Quantity	N/A
Calculation factor A	0.27
Calculation factor e	1.14

Calculation factor X	0.57
$r_{3,4}$ min.	1.1 mm
d_1 ?	122.3 mm
d_2 ?	103.03 mm
D_1 ?	144.95 mm
$r_{1,2}$ - min.	3 mm
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
$r_{3,4}$ - min.	1.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7317 BEM
Basic dynamic load rating C	146 kN
Basic dynamic load rating - C	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
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.1
Fatigue load limit - P_u	4.5 kN
Calculation factor - k_a	1.6
Basic static load rating C_0	122 kN
Basic static load rating -	122 kN

C ₀	
----------------	--