



Bearing No. 1317

D	180 mm
d	85 mm
B	41 mm
Bore	3.346 Inch 85 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	1300
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	180x85x41
Width (mm)	41
bore type:	Straight
Weight / LBS	11.094
Mass bearing	5 kg
maximum rpm:	4800 RPM
Product Group	B00152
closure type:	Open
D ₁	152.8 mm
Inch - Metric	Metric
d ₁	117.6 mm
Cage Material	Steel
bore diameter:	85 mm
overall width:	41 mm
Keyword String	Self Aligning
cage material:	Steel
Other Features	Allowable Misalignment 3 Deg
fillet radius:	3 mm

Bearing number	1317
Limiting speed	4800 r/min
Mounting Method	Shaft
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Reference speed	7000 r/min
finish/coating:	Uncoated
Inner Race Width	1.614 Inch 41 Millimeter
Outer Race Width	1.614 Inch 41 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	85MM Bore; Shaft Mount; 180MM Outside Diameter; 41MM Inner Race Width; 41MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Outside Diameter	7.087 Inch 180 Millimeter
outer ring width:	41 mm
Weight / Kilogram	5.037
precision rating:	Not Rated
Manufacturer Name	SKF
outside diameter:	180 mm
Bore Diameter (mm)	180
D _a max.	166 mm
r _a max.	3 mm
Internal Clearance	C0-Medium
d _a min.	99 mm
Outer Diameter (mm)	85
internal clearance:	C0

$r_{1,2}$ min.	3 mm
Calculation factor e	0.22
d_a - min.	99 mm
r_a - max.	3 mm
D_a - max.	166 mm
Minimum Buy Quantity	N/A
D_1 ?	152.8 mm
d_1 ?	117.6 mm
static load capacity:	38 kN
Calculation factor - e	0.22
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	97.5 kN
$r_{1,2}$ - min.	3 mm
Number of Rows of Balls	Double Row
Manufacturer Item Number	1317
Basic dynamic load rating C	97.5 kN
Basic dynamic load rating - C	97.5 kN
Fatigue load limit P_u	1.7 kN
Calculation factor k_r	0.045
Calculation factor Y_0	2.8
Calculation factor Y_1	2.9
Calculation factor Y_2	4.5
Calculation factor - Y_0	2.8
Calculation factor - Y_2	4.5
Fatigue load limit - P_u	1.7 kN
Calculation factor - k_r	0.045
Calculation factor - Y_1	2.9
Permissible angular misalignment ?	3 °
Basic static load rating	38 kN

C ₀	
Basic static load rating - C ₀	38 kN