



Bearing No. 1316

D	170 mm
d	80 mm
B	39 mm
Bore	3.15 Inch 80 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	1300
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	170x80x39
Width (mm)	39
bore type:	Straight
Weight / LBS	9.279
Mass bearing	4.2 kg
maximum rpm:	5300 RPM
Product Group	B00152
closure type:	Open
D ₁	144.4 mm
Inch - Metric	Metric
d ₁	110 mm
Cage Material	Steel
bore diameter:	80 mm
overall width:	39 mm
Keyword String	Self Aligning
cage material:	Steel
Other Features	Allowable Misalignment 3 Deg
fillet radius:	2 mm

Bearing number	1316
Limiting speed	5300 r/min
Mounting Method	Shaft
Rolling Element	Ball Bearing
Precision Class	ABEC 1 ISO P0
Reference speed	7500 r/min
finish/coating:	Uncoated
Outside Diameter	6.693 Inch 170 Millimeter
Inner Race Width	1.535 Inch 39 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	80MM Bore; Shaft Mount; 170MM Outside Diameter; 39MM Inner Race Width; 39MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
Outer Race Width	1.535 Inch 39 Millimeter
Weight / Kilogram	4.213
outer ring width:	39 mm
precision rating:	Not Rated
Manufacturer Name	SKF
outside diameter:	170 mm
Bore Diameter (mm)	170
D _a max.	158 mm
r _a max.	2 mm
Internal Clearance	C0-Medium
d _a min.	92 mm
Outer Diameter (mm)	80
internal clearance:	C0
	2.1 mm

r _{1,2} min.	
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Calculation factor e	0.22
d_a - min.	92 mm
r_a - max.	2 mm
D_a - max.	158 mm
Minimum Buy Quantity	N/A
D_1 ?	144.4 mm
d_1 ?	110 mm
static load capacity:	33.5 kN
Calculation factor - e	0.22
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	88.4 kN
$r_{1,2}$ - min.	2.1 mm
Number of Rows of Balls	Double Row
Manufacturer Item Number	1316
Basic dynamic load rating C	88.4 kN
Basic dynamic load rating - C	88.4 kN
Fatigue load limit P_u	1.5 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	1.5 kN
Calculation factor - k_r	0.045
Calculation factor - Y_1	2.9
Permissible angular misalignment ?	3 °
Basic static load rating C_0	33.5 kN

Basic static load rating - C ₀	33.5 kN
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