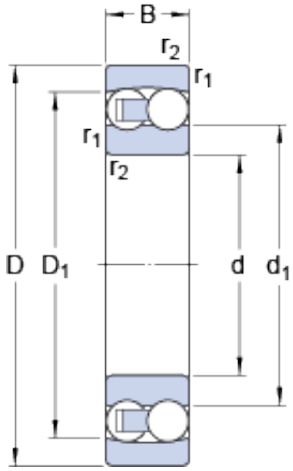
Loyal | 2315



Bearing No. 2315

D	160 mm
d	75 mm
B	55 mm
Bore	2.953 Inch | 75 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	2300
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	160x75x55
Width (mm)	55
bore type:	Straight
Weight / LBS	10.88
Mass bearing	4.7 kg
maximum rpm:	5600 RPM
Product Group	B04311
closure type:	Open
D_1	136.4 mm
Inch - Metric	Metric
d_1	97.8 mm
Cage Material	Steel
bore diameter:	75 mm
overall width:	55 mm
Keyword String	Self Aligning
cage material:	Steel
Other Features	Allowable Misalignment 3 Deg
fillet radius:	2 mm

Bearing number	2315
Limiting speed	5600 r/min
Mounting Method	Shaft
Rolling Element	Ball Bearing
Precision Class	ABEC 1 | ISO P0
Reference speed	7500 r/min
finish/coating:	Uncoated
Outer Race Width	2.165 Inch | 55 Millimeter
Outside Diameter	6.299 Inch | 160 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	75MM Bore; Shaft Mount; 160MM Outside Diameter; 55MM Inner Race Width; 55MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 | ISO P0; C0-Medium
Inner Race Width	2.165 Inch | 55 Millimeter
outer ring width:	55 mm
Weight / Kilogram	4.94
precision rating:	Not Rated
Manufacturer Name	SKF
outside diameter:	160 mm
Bore Diameter (mm)	160
D_a max.	148 mm
r_a max.	2 mm
Internal Clearance	C0-Medium
d_a min.	87 mm
Outer Diameter (mm)	75
internal clearance:	C0

$r_{1,2}$ min.	2.1 mm
Calculation factor e	0.37
d_a - min.	87 mm
r_a - max.	2 mm
D_a - max.	148 mm
Minimum Buy Quantity	N/A
D_1 ?	136.4 mm
d_1 ?	97.8 mm
static load capacity:	43 kN
Calculation factor - e	0.37
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	124 kN
$r_{1,2}$ - min.	2.1 mm
Number of Rows of Balls	Double Row
Manufacturer Item Number	2315
Basic dynamic load rating C	124 kN
Basic dynamic load rating - C	124 kN
Fatigue load limit P_u	2.04 kN
Calculation factor k_r	0.05
Calculation factor Y_0	1.8
Calculation factor Y_1	1.7
Calculation factor Y_2	2.6
Calculation factor - Y_0	1.8
Calculation factor - Y_2	2.6
Fatigue load limit - P_u	2 kN
Calculation factor - k_r	0.05
Calculation factor - Y_1	1.7
Permissible angular misalignment ?	3 °
Basic static load rating	43 kN

C_0	
Basic static load rating - C_0	43 kN