



Bearing No. 1318

D	190 mm
d	90 mm
B	43 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
UNSPSC	31171532
series:	1300
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	190x90x43
Width (mm)	43
bore type:	Straight
maximum rpm:	4500 RPM
Weight / LBS	12.893
Mass bearing	5.8 kg
Product Group	B00152
closure type:	Open
C ₁	1 mm
D ₁	162.1 mm
Inch - Metric	Metric
d ₁	122.8 mm
C ₁	1 mm
Cage Material	Steel
bore diameter:	90 mm
cage material:	Steel
Keyword String	Self Aligning
fillet radius:	3 mm

Other Features	Allowable Misalignment 3 Deg
overall width:	43 mm
Bearing number	1318
Limiting speed	4500 r/min
Mounting Method	Shaft
Reference speed	6700 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Manufacturer URL	http://www.skf.com
Inner Race Width	1.693 Inch 43 Millimeter
Outside Diameter	7.48 Inch 190 Millimeter
Outer Race Width	1.693 Inch 43 Millimeter
Long Description	90MM Bore; Shaft Mount; 190MM Outside Diameter; 43MM Inner Race Width; 43MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1 ISO P0; C0-Medium
outside diameter:	190 mm
outer ring width:	43 mm
Weight / Kilogram	5.853
precision rating:	Not Rated
Manufacturer Name	SKF
d _a min.	104 mm
D _a max.	176 mm
Internal Clearance	C0-Medium
r _a max.	3 mm
Bore Diameter (mm)	190

internal clearance:	C0
Outer Diameter (mm)	90
Calculation factor e	0.22
$r_{1,2}$ min.	3 mm
d_a - min.	104 mm
r_a - max.	3 mm
D_a - max.	176 mm
Minimum Buy Quantity	N/A
static load capacity:	44 kN
D_1 ?	162.1 mm
d_1 ?	122.8 mm
Calculation factor - e	0.22
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	3 mm
dynamic load capacity:	117 kN
Number of Rows of Balls	Double Row
Manufacturer Item Number	1318
Basic dynamic load rating C	117 kN
Basic dynamic load rating - C	117 kN
Fatigue load limit P_u	1.93 kN
Calculation factor Y_2	4.5
Calculation factor Y_1	2.9
Calculation factor Y_0	2.8
Calculation factor k_r	0.045
Calculation factor - k_r	0.045
Calculation factor - Y_2	4.5
Calculation factor - Y_0	2.8
Fatigue load limit - P_u	1.9 kN
Calculation factor - Y_1	2.9

Permissible angular misalignment ?	3 °
Basic static load rating C ₀	44 kN
Basic static load rating - C ₀	44 kN