



Bearing No. 6318-2Z

D	190 mm
d	90 mm
B	43 mm
Bore	3.543 Inch 90 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	63
Category	Single Row Ball Bearing
Size (mm)	190x90x43
Snap Ring	No
Enclosure	2 Metal Shields
Inventory	0.0
Width (mm)	43
bore type:	Round
maximum rpm:	3800 RPM
Weight / LBS	11.3
Mass bearing	5.13 kg
Inch - Metric	Metric
Cage Material	Steel
D ₂	163.9 mm
closure type:	Double Shielded
Product Group	B00308
d ₁	121.15 mm
Bearing number	6318-2Z
bore diameter:	90 mm
overall width:	43 mm
cage material:	Steel
fillet radius:	2.5 mm
Limiting speed	3800 r/min

Keyword String	Ball
finish/coating:	Uncoated
Reference speed	7500 r/min
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Outside Diameter	7.48 Inch 190 Millimeter
Manufacturer URL	http://www.skf.com
Outer Race Width	1.693 Inch 43 Millimeter
Long Description	90MM Bore; 190MM Outside Diameter; 43MM Outer Race Diameter; 2 Metal Shields; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Weight / Kilogram	5.13
Manufacturer Name	SKF
precision rating:	Not Rated
outside diameter:	190 mm
outer ring width:	43 mm
Bore Diameter (mm)	190
Internal Clearance	C0-Medium
r _a max.	2.5 mm
d _a min.	104 mm
D _a max.	176 mm
d _a max.	120.9 mm
Outer Diameter (mm)	90
internal clearance:	C0
d _a - min.	104 mm
Minimum Buy Quantity	N/A
r _a - max.	2.5 mm

$r_{1,2}$ min.	3 mm
d_a - max.	120.9 mm
D_a - max.	176 mm
d_1 ?	121.15 mm
static load capacity:	108 kN
row type & fill slot:	Single Row Non-Fill Slot
D_2 ?	163.9 mm
$r_{1,2}$ - min.	3 mm
dynamic load capacity:	151 kN
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6318-2Z
Internal Special Features	No
Basic dynamic load rating C	151 kN
Basic dynamic load rating - C	151 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	3.8 kN
Calculation factor k_r	0.03
Calculation factor f_0	13.3
Calculation factor - k_r	0.03
Calculation factor - f_0	13.3
Fatigue load limit - P_u	3.8 kN
Basic static load rating C_0	108 kN
Basic static load rating - C_0	108 kN