

# 1318 SKF 190x90x43mm Weight / Kilogram 5.853 Self aligning ball bearings

Bearing number	1318
Size (mm)	190x90x43
Brand	SKF
Bore Diameter (mm)	190
Outer Diameter (mm)	90
Width (mm)	43
d	90 mm
D	190 mm
B	43 mm
d <sub>1</sub>	122.8 mm
D <sub>1</sub>	162.1 mm
C <sub>1</sub>	1 mm
r <sub>1,2</sub> – min.	3 mm
d <sub>a</sub> – min.	104 mm
D <sub>a</sub> – max.	176 mm
r <sub>a</sub> – max.	3 mm
Basic dynamic load rating – C	117 kN
Basic static load rating – C <sub>0</sub>	44 kN
Fatigue load limit – P <sub>u</sub>	1.9 kN
Reference speed	6700 r/min
Limiting speed	4500 r/min
Calculation factor – k <sub>r</sub>	0.045

Calculation factor – e	0.22
Calculation factor – Y <sub>0</sub>	2.8
Calculation factor – Y <sub>1</sub>	2.9
Calculation factor – Y <sub>2</sub>	4.5
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	5.853
EAN	7316576605628
Product Group – BDI	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1   ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
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
Inch – Metric	Metric
Category – BDI	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68

Noun	Bearing
Keyword String	Self Aligning
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	1318
Weight / LBS	12.893
Bore	3.543 Inch   90 Millimeter
Outside Diameter	7.48 Inch   190 Millimeter
Inner Race Width	1.693 Inch   43 Millimeter
Outer Race Width	1.693 Inch   43 Millimeter
bore diameter:	90 mm
precision rating:	Not Rated
outside diameter:	190 mm
maximum rpm:	4500 RPM
overall width:	43 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	43 mm
internal clearance:	C0
fillet radius:	3 mm
dynamic load capacity:	117 kN
series:	1300
static load capacity:	44 kN
$d_1 \approx$	122.8 mm
$D_1 \approx$	162.1 mm
$C_1$	1 mm
$r_{1,2} \text{ min.}$	3 mm

$d_a$ min.	104 mm
$D_a$ max.	176 mm
$r_a$ max.	3 mm
Basic dynamic load rating C	117 kN
Basic static load rating $C_0$	44 kN
Fatigue load limit $P_u$	1.93 kN
Permissible angular misalignment $\alpha$	3 °
Calculation factor $k_r$	0.045
Calculation factor e	0.22
Calculation factor $Y_0$	2.8
Calculation factor $Y_1$	2.9
Calculation factor $Y_2$	4.5
Mass bearing	5.8 kg