

2316 SKF 170x80x58mm EAN 7316570895803 Self aligning ball bearings

Bearing number	2316
Size (mm)	170x80x58
Brand	SKF
Bore Diameter (mm)	170
Outer Diameter (mm)	80
Width (mm)	58
d	80 mm
D	170 mm
B	58 mm
d ₁	104.4 mm
D ₁	145.1 mm
r _{1,2} – min.	2.1 mm
d _a – min.	92 mm
D _a – max.	158 mm
r _a – max.	2 mm
Basic dynamic load rating – C	135 kN
Basic static load rating – C ₀	49 kN
Fatigue load limit – P _u	2.2 kN
Reference speed	7000 r/min
Limiting speed	5300 r/min
Calculation factor – k _r	0.05
Calculation factor – e	0.37

Calculation factor – Y ₀	1.8
Calculation factor – Y ₁	1.7
Calculation factor – Y ₂	2.6
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	5.835
EAN	7316570895803
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	80MM Bore; Shaft Mount; 170MM Outside Diameter; 58MM Inner Race Width; 58MM 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	http://www.skf.com
Manufacturer Item Number	2316
Weight / LBS	12.853
Inner Race Width	2.283 Inch 58 Millimeter
Bore	3.15 Inch 80 Millimeter
Outer Race Width	2.283 Inch 58 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
bore diameter:	80 mm
dynamic load capacity:	135 kN
outside diameter:	170 mm
static load capacity:	49 kN
overall width:	58 mm
precision rating:	Not Rated
bore type:	Straight
maximum rpm:	5300 RPM
closure type:	Open
finish/coating:	Uncoated
internal clearance:	C0
series:	231
$d_1 \approx$	104.4 mm
$D_1 \approx$	145.1 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	92 mm
$D_a \text{ max.}$	158 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	135 kN
Basic static load rating C_0	49 kN

Fatigue load limit P_u	2.24 kN
Permissible angular misalignment α	3 °
Calculation factor k_r	0.05
Calculation factor e	0.37
Calculation factor Y_0	1.8
Calculation factor Y_1	1.7
Calculation factor Y_2	2.6
Mass bearing	6.1 kg