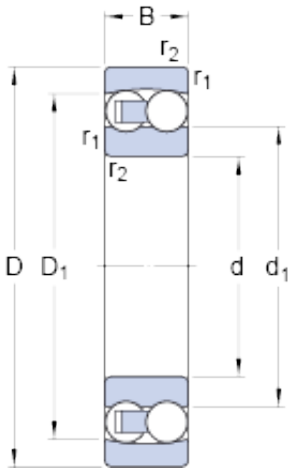




Timken BEARING CORP.of CANADA LTD.



80 mm x 170 mm x 58 mm SKF 2316 self aligning ball bearings

Bearing No. 2316

2316 Bearing 2D drawings and 3D CAD models

Size	170x80x58 mm
Bore Diameter	170 mm
Outer Diameter	80 mm
Width	58 mm
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



Timken BEARING CORP.of CANADA LTD.

Category	Self Aligning Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	5.835
EAN	7316570895803
Product Group	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	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



Timken BEARING CORP.of CANADA LTD.

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	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	2.24 kN
Permissible angular misalignment	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