



# BROWNING BEARING COMPANY



## 75 mm x 160 mm x 55 mm skf 2315 bearing

Bearing No. 2315

Size	160x75x55 mm
Bore Diameter	160 mm
Outer Diameter	75 mm
Width	55 mm
d	75 mm
D	160 mm
B	55 mm
d <sub>1</sub>	97.8 mm
D <sub>1</sub>	136.4 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	87 mm
D <sub>a</sub> - max.	148 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	124 kN
Basic static load rating - C <sub>0</sub>	43 kN
Fatigue load limit - P <sub>u</sub>	2 kN
Reference speed	7500 r/min
Limiting speed	5600 r/min
Calculation factor - k <sub>r</sub>	0.05
Calculation factor - e	0.37
Calculation factor - Y <sub>0</sub>	1.8
Calculation factor - Y <sub>1</sub>	1.7
Calculation factor - Y <sub>2</sub>	2.6
Category	Self Aligning Ball Bearings

2315 Bearing 2D drawings and 3D CAD models



## BROWNING BEARING COMPANY

Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.94
EAN	7316577002129
Product Group	B04311
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	75MM Bore; Shaft Mount; 160MM Outside Diameter; 55MM Inner Race Width; 55MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	2315
Weight / LBS	10.88
Outside Diameter	6.299 Inch   160 Millimeter
Bore	2.953 Inch   75 Millimeter
Outer Race Width	2.165 Inch   55 Millimeter



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Inner Race Width	2.165 Inch   55 Millimeter
bore diameter:	75 mm
precision rating:	Not Rated
outside diameter:	160 mm
maximum rpm:	5600 RPM
overall width:	55 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	55 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	124 kN
series:	2300
static load capacity:	43 kN
$d_1$	97.8 mm
$D_1$	136.4 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	87 mm
$D_a$ max.	148 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	124 kN
Basic static load rating $C_0$	43 kN
Fatigue load limit $P_u$	2.04 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	4.7 kg



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