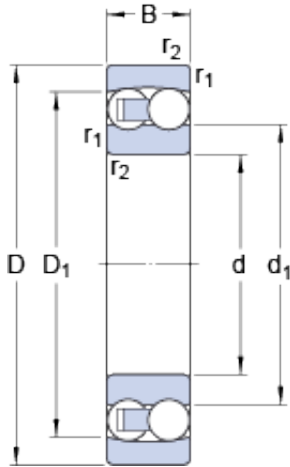




BROWNING BEARING COMPANY



70 mm x 150 mm x 51 mm skf 2314 bearing

Bearing No. 2314

Size	150x70x51 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	51 mm
d	70 mm
D	150 mm
B	51 mm
d ₁	92 mm
D ₁	128.1 mm
r _{1,2} - min.	2.1 mm
d _a - min.	82 mm
D _a - max.	138 mm
r _a - max.	2 mm
Basic dynamic load rating - C	111 kN
Basic static load rating - C ₀	37.5 kN
Fatigue load limit - P _u	1.9 kN
Reference speed	8000 r/min
Limiting speed	6000 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

2314 Bearing 2D drawings and 3D CAD models



BROWNING BEARING COMPANY

Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.027
EAN	7316577055965
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	70MM Bore; Shaft Mount; 150MM Outside Diameter; 51MM Inner Race Width; 51MM 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	2314
Weight / LBS	8.869
Inner Race Width	2.008 Inch 51 Millimeter
Outer Race Width	2.008 Inch 51 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter



BROWNING BEARING COMPANY

Bore	2.756 Inch 70 Millimeter
bore diameter:	70 mm
precision rating:	Not Rated
outside diameter:	150 mm
maximum rpm:	6000 RPM
overall width:	51 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	51 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	111 kN
series:	2300
static load capacity:	37.5 kN
d_1	92 mm
D_1	128.1 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	82 mm
D_a max.	138 mm
r_a max.	2 mm
Basic dynamic load rating C	111 kN
Basic static load rating C_0	37.5 kN
Fatigue load limit P_u	1.86 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	3.9 kg



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