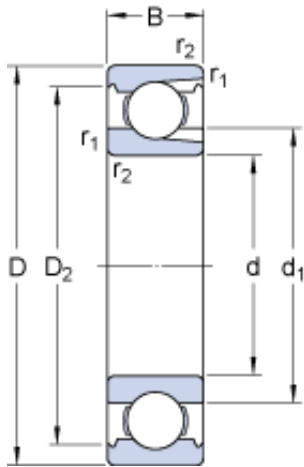




BEARING CORP.OF AMERICA



70 mm x 150 mm x 35 mm SKF 314 deep groove ball bearings

Bearing No. 314

314 Bearing 2D drawings and 3D CAD models

Size	150x70x35 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	35 mm
d	70 mm
D	150 mm
B	35 mm
d ₁	93.75 mm
D ₂	129.9 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	114 kN
Basic static load rating - C ₀	102 kN
Fatigue load limit - P _u	4.2 kN
Reference speed	8000 r/min
Limiting speed	5000 r/min
Calculation factor - k _r	0.05
Category	Single Row Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.64



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Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	Yes
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	70MM Bore; 150MM Outside Diameter; 35MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; Yes Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	314
Weight / LBS	6.17
Outer Race Width	1.378 Inch 35 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter
Bore	2.756 Inch 70 Millimeter
bore diameter:	70 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	150 mm
finish/coating:	Uncoated
overall width:	35 mm



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cage material:	Steel
bore type:	Round
outer ring width:	35 mm
closure type:	Open
fillet radius:	2 mm
row type & fill slot:	Single Row Filling Slot
maximum rpm:	5000 RPM
internal clearance:	C0
series:	31
dynamic load capacity:	114 kN
thrust application warning:	This product can not be used in Thrust Applications
static load capacity:	102 kN
d_1	93.75 mm
D_2	129.9 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	114 kN
Basic static load rating C_0	102 kN
Fatigue load limit P_u	4.15 kN
Calculation factor k_r	0.05
Mass bearing	2.75 kg