



## Xiangtan Huaxing Material Co., Ltd.



3314 A Bearing 2D drawings and 3D CAD models

### 70 mm x 150 mm x 63.5 mm SKF 3314 A Angular Contact Ball Bearings

Bearing No. 3314 A

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	4.582
EAN	7316570239379
Product Group	B00152
Enclosure	Open
Flush Ground	No
Rolling Element	Ball Bearing
Number of Rows of Balls	Double Row
Precision Class	ABEC 3   ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	30 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	70MM Bore; 150MM Outside Diameter; 63.5MM Width; Open; No Flush Ground; Ball Bearing; Double Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring



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Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	5314 A
Weight / LBS	9.914
d	2.756 Inch   70 Millimeter
D	5.906 Inch   150 Millimeter
B	2.5 Inch   63.5 Millimeter
bore diameter:	70 mm
radial static load capacity:	125 kN
outside diameter:	150 mm
cage material:	Metal
overall width:	2.5000 in
outer ring width:	63.5 mm
contact angle:	30 °
maximum rpm:	4300 RPM
row type & fill slot:	Double-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	163 kN
series:	33
d	70 mm
D	150 mm
B	63.5 mm
d <sub>1</sub>	96.5 mm



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$D_1$	124.36 mm
$r_{1,2}$ min.	2.1 mm
a	89 mm
$d_a$ min.	82 mm
$D_a$ max.	138 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	163 kN
Basic static load rating $C_0$	125 kN
Fatigue load limit $P_u$	5 kN
Reference speed	5000 r/min
Limiting speed	4300 r/min
Calculation factor $k_r$	0.07
Calculation factor e	0.8
Calculation factor X	0.63
Calculation factor $Y_0$	0.66
Calculation factor $Y_1$	0.78
Calculation factor $Y_2$	1.24
Mass bearing	5.05 kg