



Bearing No. 7230 BGAM

D	270 mm
d	150 mm
B	45 mm
a	111 mm
Noun	Bearing
Bore	5.906 Inch 150 Millimeter
Width	1.772 Inch 45 Millimeter
UNSPSC	31171531
Preload	Light
series:	72
Category	Angular Contact Ball Bearing
Size (mm)	270x150x45
Enclosure	Open
Snap Ring	No
Inventory	2.0
Width (mm)	45
Weight / LBS	23.876
Flush Ground	Yes
Mass bearing	11.5 kg
maximum rpm:	2800 RPM
Product Group	B00308
Inch - Metric	Metric
closure type:	Open
Contact Angle	40 Degree
Cage Material	Brass
D ₁	225.95 mm
d ₂	175.6 mm
d ₁	197.2 mm

cage material:	Brass
Keyword String	Angular Contact
overall width:	45 mm
contact angle:	40 °
fillet radius:	2.5 mm
bore diameter:	150 mm
Bearing number	7230 BGAM
Limiting speed	2800 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	2600 r/min
Long Description	150MM Bore; 270MM Outside Diameter; 45MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	10.63 Inch 270 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	10.84
precision rating:	Not Rated
outside diameter:	270 mm
outer ring width:	45 mm
Manufacturer Name	SKF
Bore Diameter (mm)	270
r _b max.	1 mm
r _a max.	2.5 mm
D _b max.	263 mm
D _a max.	256 mm
d _a min.	164 mm

Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
Outer Diameter (mm)	150
internal clearance:	C0
D _a - max.	256 mm
Calculation factor A	1.01
r _{1,2} min.	3 mm
d _a - min.	164 mm
Minimum Buy Quantity	N/A
Mounting Arrangement	Universal
r _{3,4} min.	1.1 mm
r _a - max.	2.5 mm
r _b - max.	1 mm
Calculation factor X	0.57
Calculation factor e	1.14
D _b - max.	263 mm
d ₁ ?	197.2 mm
row type & fill slot:	Single-Row Non-Fill Slot
D ₁ ?	225.95 mm
d ₂ ?	175.6 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	3 mm
r _{3,4} - min.	1.1 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7230 BGAM
Basic dynamic load rating C	216 kN
radial static load capacity:	240 kN
radial dynamic load	216 kN

capacity:	
Basic dynamic load rating - C	216 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.08
Fatigue load limit P_u	6.95 kN
Fatigue load limit - P_u	7 kN
Calculation factor - k_a	1.2
Calculation factor - k_r	0.08
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - Y_0	0.26
Basic static load rating C_0	240 kN
Basic static load rating - C_0	240 kN