7218 BEGAF Bearing 2D drawings and 3D CAD models

90 mm x 160 mm x 30 mm SKF 7218 BEGAF Angular Contact Ball Bearings

Bearing No. **7218 BEGAF**

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.489
EAN	7316570966718
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1 | ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	90MM Bore; 160MM Outside Diameter; 30MM Width; Open; Yes Flush Ground; Ball Bearing; Single

	Row of Balls; ABEC 1 | ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Steel Cage; 40 Degree; 1 (Single);
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7218 BEGAF
d	3.543 Inch | 90 Millimeter
B	1.181 Inch | 30 Millimeter
D	6.299 Inch | 160 Millimeter
bore diameter:	90 mm
radial static load capacity:	96.5 kN
outside diameter:	160 mm
outer ring width:	30 mm
overall width:	30 mm
maximum rpm:	4500 RPM
row type & fill slot:	Single-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:	108 kN
series:	72
d	90 mm
D	160 mm
B	30 mm
$d_1 \approx$	117.1 mm

$d_2 \approx$	103.06 mm
$D_1 \approx$	134.8 mm
a	67 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	101 mm
D_a max.	149 mm
D_b max.	154 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	108 kN
Basic static load rating C_0	96.5 kN
Fatigue load limit P_u	3.65 kN
Reference speed	5000 r/min
Limiting speed	4500 r/min
Calculation factor A	0.149
Calculation factor k_r	0.095
Calculation factor e	1.14
Calculation factor X	0.35
Calculation factor Y_0	0.26
Calculation factor Y_2	0.57
Calculation factor X	0.57
Calculation factor Y_0	0.52
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Mass bearing	2.3 kg