



GARLOCK BEARINGS LTD



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

Bearing No. 7218 BEGAF

7218 BEGAF Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.489
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



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	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	117.1 mm
d ₂	103.06 mm



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D_1	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