



GARLOCK BEARINGS LTD



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

Bearing No. 7218 BEGAM

7218 BEGAM Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.499
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	Brass
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; Brass 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 BEGAM
D	6.299 Inch 160 Millimeter
d	3.543 Inch 90 Millimeter
B	1.181 Inch 30 Millimeter
bore diameter:	90 mm
operating temperature range:	257 ° F
outside diameter:	160 mm
cage material:	Brass
overall width:	30 mm
maximum rpm:	6300 rpm
contact angle:	40 °
finish/coating:	Uncoated
bore type:	Round
fillet radius:	2 mm
closure type:	Open
series:	70
bearing material:	Steel
weight:	5.07 lbs
radial dynamic load capacity:	108 kN
manufacturer product page:	Click here
radial static load capacity:	96.5 kN
manufacturer upc number:	7316577150080



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d	90 mm
D	160 mm
B	30 mm
d ₁	117.1 mm
d ₂	103.06 mm
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	6300 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