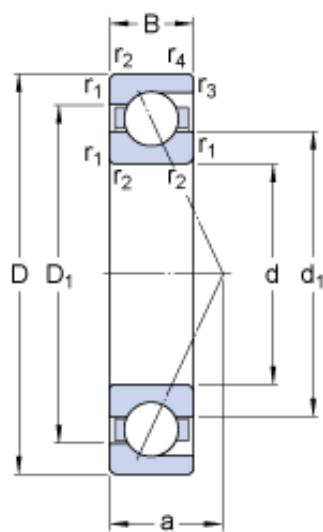




Bearing No. 7418 GAM

a	95 mm
d	90 mm
B	54 mm
D	225 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Width	2.126 Inch 54 Millimeter
UNSPSC	31171531
series:	7400
Preload	Light
weight:	25.4 lbs
Category	Angular Contact Ball Bearing
Snap Ring	No
Inventory	0.0
Size (mm)	225x90x54
Enclosure	Open
Width (mm)	54
bore type:	Round
Flush Ground	Yes
Weight / LBS	25.353
Mass bearing	11.5 kg
maximum rpm:	3800 rpm
Product Group	B00308
Inch - Metric	Metric
Contact Angle	40 Degree
Cage Material	Brass
D ₁	182.1 mm
d ₁	132 mm

closure type:	Open
bore diameter:	90 mm
Keyword String	Angular Contact
overall width:	54 mm
contact angle:	40 °
fillet radius:	4 mm
cage material:	Brass
Bearing number	7418 GAM
Limiting speed	3800 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	3600 r/min
Outside Diameter	8.858 Inch 225 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	90MM Bore; 225MM Outside Diameter; 54MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Weight / Kilogram	11.51
outside diameter:	225 mm
bearing material:	Steel
Manufacturer Name	SKF
D _b max.	202 mm
Bore Diameter (mm)	225
d _a min.	55 mm
D _a max.	110 mm
Internal Clearance	C0-Medium
r _a max.	2 mm

r_b max.	2 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	90
d_a - min.	55 mm
Minimum Buy Quantity	N/A
D_a - max.	110 mm
D_b - max.	202 mm
r_a - max.	2 mm
r_b - max.	2 mm
Calculation factor X	0.57
maximum temperature:	257 °F
Mounting Arrangement	Universal
$r_{3,4}$ min.	4 mm
Calculation factor e	1.14
Calculation factor A	0.725
$r_{1,2}$ min.	4 mm
d_1 ?	132 mm
D_1 ?	182.1 mm
row type & fill slot:	Single-Row Non-Fill Slot
$r_{1,2}$ - min.	4 mm
$r_{3,4}$ - min.	4 mm
Calculation factor - e	1.14
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
manufacturer upc number:	7316571273921
Manufacturer Item Number	7418 GAM
manufacturer product page:	Click here
Basic dynamic load rating C	212 kN

radial static load capacity:	193 kN
radial dynamic load capacity:	212 kN
Basic dynamic load rating - C	212 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor Y_0	0.52
Calculation factor k_r	0.1
Fatigue load limit P_u	6.55 kN
Fatigue load limit - P_u	6.6 kN
Calculation factor - Y_0	0.26
Calculation factor - k_a	1.6
Calculation factor - k_r	0.1
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Basic static load rating C_0	193 kN
Basic static load rating - C_0	193 kN