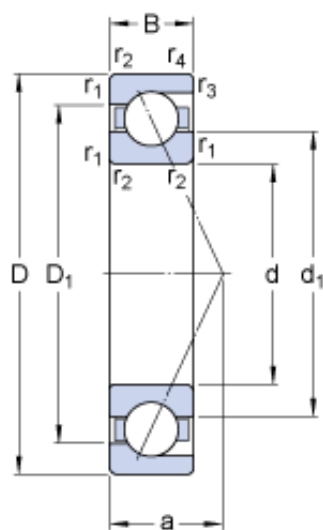




Bearing No. 7418 CBM

D	225 mm
d	90 mm
B	54 mm
a	95 mm
Noun	Bearing
Bore	3.543 Inch 90 Millimeter
Width	2.126 Inch 54 Millimeter
UNSPSC	31171531
series:	74
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	225x90x54
Inventory	0.0
Width (mm)	54
Weight / LBS	24.519
maximum rpm:	3800 RPM
Flush Ground	Yes
Mass bearing	11.5 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	132 mm
D ₁	182.1 mm
Bearing number	7418 CBM
bore diameter:	90 mm

Other Features	Normal Axial Internal Clearance
Keyword String	Angular Contact
cage material:	Brass
Limiting speed	3800 r/min
overall width:	54 mm
contact angle:	40 °
fillet radius:	3 mm
Reference speed	3600 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
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
Manufacturer URL	http://www.skf.com
Outside Diameter	8.858 Inch 225 Millimeter
Weight / Kilogram	11.13
outside diameter:	225 mm
Manufacturer Name	SKF
precision rating:	ABEC 3 (ISO Class 6)
outer ring width:	54 mm
r _b max.	2 mm
Internal Clearance	CB
Number of Bearings	1 (Single)
Bore Diameter (mm)	225
D _a max.	110 mm
d _a min.	55 mm
D _b max.	202 mm

r_a max.	2 mm
internal clearance:	C0
Outer Diameter (mm)	90
r_b - max.	2 mm
$r_{1,2}$ min.	4 mm
$r_{3,4}$ min.	4 mm
Minimum Buy Quantity	N/A
D_a - max.	110 mm
Calculation factor X	0.57
r_a - max.	2 mm
Mounting Arrangement	Universal
Calculation factor A	0.725
Calculation factor e	1.14
d_a - min.	55 mm
D_b - max.	202 mm
D_1 ?	182.1 mm
d_1 ?	132 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	4 mm
$r_{1,2}$ - min.	4 mm
Calculation factor - e	1.14
Number of Rows of Balls	Single Row
Manufacturer Item Number	7418 CBM
Basic dynamic load rating C	212 kN
radial static load capacity:	200 kN
Basic dynamic load rating - C	212 kN
radial dynamic load capacity:	216 kN

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