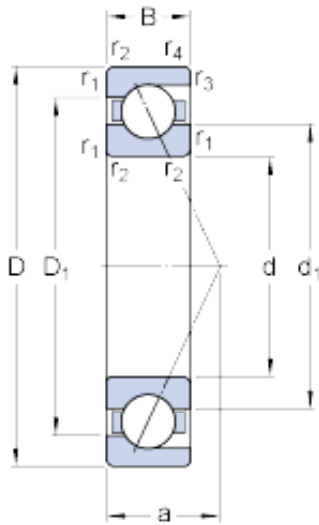




NTN-SNR BEARING RULMENTI S.R.L.



7418 CBM Bearing 2D drawings and 3D CAD models

90 mm x 225 mm x 54 mm skf 7418 CBM Single row angular contact ball bearings

Bearing No. 7418 CBM

Size	225x90x54 mm
Bore Diameter	225 mm
Outer Diameter	90 mm
Width	54 mm
d	90 mm
D	225 mm
B	54 mm
d ₁	132 mm
D ₁	182.1 mm
a	95 mm
r _{1,2} - min.	4 mm
r _{3,4} - min.	4 mm
d _a - min.	55 mm
D _a - max.	110 mm
D _b - max.	202 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	212 kN
Basic static load rating - C ₀	193 kN
Fatigue load limit - P _u	6.6 kN
Reference speed	3600 r/min
Limiting speed	3800 r/min
Calculation factor - k _r	0.1
Calculation factor - k _a	1.6



NTN-SNR BEARING RULMENTI S.R.L.

Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y ₀	0.52
Calculation factor - Y ₁	0.55
Calculation factor - Y ₂	0.93
Calculation factor - X	0.35
Calculation factor - Y ₀	0.26
Calculation factor - Y ₁	
Calculation factor - Y ₂	0.57
Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	11.13
EAN	7316571267203
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 3 ISO P6
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	90MM Bore; 225MM



NTN-SNR BEARING RULMENTI S.R.L.

	Outside Diameter; 54MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Other Features	Normal Axial Internal Clearance
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	7418 CBM
Weight / LBS	24.519
Width	2.126 Inch 54 Millimeter
Bore	3.543 Inch 90 Millimeter
Outside Diameter	8.858 Inch 225 Millimeter
bore diameter:	90 mm
radial static load capacity:	200 kN
outside diameter:	225 mm
cage material:	Brass
overall width:	54 mm
outer ring width:	54 mm
contact angle:	40 °
maximum rpm:	3800 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	ABEC 3 (ISO Class 6)
closure type:	Open
fillet radius:	3 mm



NTN-SNR BEARING RULMENTI S.R.L.

radial dynamic load capacity:	216 kN
series:	74
d_1	132 mm
D_1	182.1 mm
$r_{1,2}$ min.	4 mm
$r_{3,4}$ min.	4 mm
d_a min.	55 mm
D_a max.	110 mm
D_b max.	202 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	212 kN
Basic static load rating C_0	193 kN
Fatigue load limit P_u	6.55 kN
Calculation factor A	0.725
Calculation factor k_r	0.1
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	11.5 kg