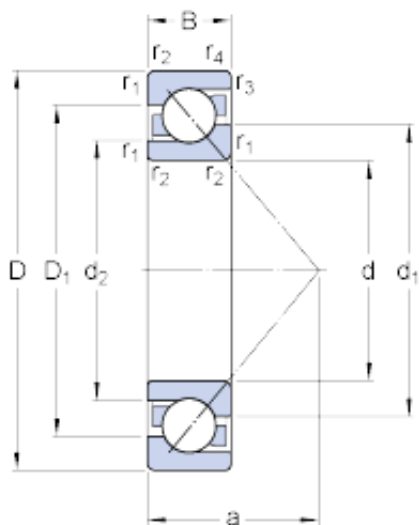




# NACHI BEARINGS TRAINING INDUSTRY



7228 BM Bearing 2D drawings and 3D CAD models

140 mm x 250 mm x 42 mm SKF 7228 BM  
angular contact ball bearings

Bearing No. 7228 BM

Size	250x140x42 mm
Bore Diameter	250 mm
Outer Diameter	140 mm
Width	42 mm
d	140 mm
D	250 mm
B	42 mm
d <sub>1</sub>	183.3 mm
d <sub>2</sub>	163.6 mm
D <sub>1</sub>	209.55 mm
a	103 mm
r <sub>1,2</sub> - min.	3 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	154 mm
D <sub>a</sub> - max.	236 mm
D <sub>b</sub> - max.	243 mm
r <sub>a</sub> - max.	2.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	199 kN
Basic static load rating - C <sub>0</sub>	212 kN
Fatigue load limit - P <sub>u</sub>	6.4 kN
Reference speed	3000 r/min
Limiting speed	3000 r/min
Calculation factor - k <sub>r</sub>	0.08



## NACHI BEARINGS TRAINING INDUSTRY

Calculation factor - $k_a$	1.2
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	8.64
EAN	7316576650314
Product Group	B00308
Enclosure	Open
Flush Ground	No
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	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	140MM Bore; 250MM



## NACHI BEARINGS TRAINING INDUSTRY

	Outside Diameter; 42MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3   ISO P6; No Filling Slot; No Snap Ring
Category	Angular Contact Ball Bearing
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7228 BM
Weight / LBS	19.026
Outside Diameter	9.843 Inch   250 Millimeter
Bore	5.512 Inch   140 Millimeter
Width	1.654 Inch   42 Millimeter
$d_1$	183.3 mm
$d_2$	163.6 mm
$D_1$	209.55 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	154 mm
$D_a$ max.	236 mm
$D_b$ max.	243 mm
$r_a$ max.	2.5 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	199 kN
Basic static load rating $C_0$	212 kN
Fatigue load limit $P_u$	6.4 kN
Calculation factor A	0.763
Calculation factor $k_r$	0.08
Calculation factor e	1.14



## NACHI BEARINGS TRAINING INDUSTRY

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	8.85 kg