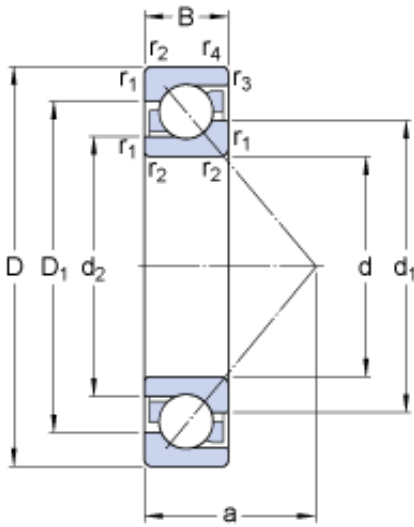




# HMSA BEARING MANUFACTURING LIMITED



7203 BECBM Bearing 2D drawings and 3D CAD models

17 mm x 40 mm x 12 mm skf 7203 BECBM  
Single row angular contact ball bearings

Bearing No. 7203 BECBM

Size	40x17x12 mm
Bore Diameter	40 mm
Outer Diameter	17 mm
Width	12 mm
d	17 mm
D	40 mm
B	12 mm
d <sub>1</sub>	26.25 mm
d <sub>2</sub>	21.66 mm
D <sub>1</sub>	31.15 mm
a	18 mm
r <sub>1,2</sub> - min.	0.6 mm
r <sub>3,4</sub> - min.	0.6 mm
d <sub>a</sub> - min.	21.2 mm
D <sub>a</sub> - max.	35.8 mm
D <sub>b</sub> - max.	35.8 mm
r <sub>a</sub> - max.	0.6 mm
r <sub>b</sub> - max.	0.6 mm
Basic dynamic load rating - C	11 kN
Basic static load rating - C <sub>0</sub>	5.8 kN
Fatigue load limit - P <sub>u</sub>	0.25 kN
Reference speed	22000 r/min
Limiting speed	22000 r/min
Calculation factor - k <sub>r</sub>	0.095



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Calculation factor - $k_a$	1.4
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	0.073
EAN	7316571192635
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	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	17MM Bore; 40MM Outside Diameter; 12MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; CB; Brass Cage; 40 Degree; 1 (Single); Universa
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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	7203 BECBM
Weight / LBS	0.1609
Outside Diameter	1.575 Inch   40 Millimeter
Width	0.472 Inch   12 Millimeter
Bore	0.669 Inch   17 Millimeter
bore diameter:	17 mm
maximum temperature:	257 ° F
outside diameter:	40 mm
cage material:	Brass
overall width:	12 mm
maximum rpm:	28000 rpm
contact angle:	40 °
finish/coating:	Uncoated
row type & fill slot:	Single-Row Non-Fill Slot
fillet radius:	0.6 mm
bore type:	Round
series:	7200
closure type:	Open



## HMSA BEARING MANUFACTURING LIMITED

weight:	0.14 lb
bearing material:	Steel
manufacturer product page:	<a href="#">Click here</a>
radial dynamic load capacity:	11 kN
manufacturer upc number:	7316571192635
radial static load capacity:	5.85 kN
$d_1$	26.25 mm
$d_2$	21.66 mm
$D_1$	31.15 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	21.2 mm
$D_a$ max.	35.8 mm
$D_b$ max.	35.8 mm
$r_a$ max.	0.6 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	11 kN
Basic static load rating $C_0$	5.85 kN
Fatigue load limit $P_u$	0.25 kN
Calculation factor A	0.000625
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	0.065 kg