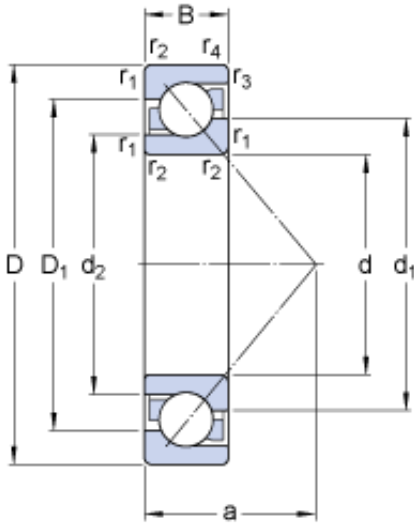




# SNR BEARING CORP.OF AMERICA



85 mm x 150 mm x 28 mm skf 7217 BEP Single row angular contact ball bearings

Bearing No. 7217 BEP

7217 BEP Bearing 2D drawings and 3D CAD models

Size	150x85x28 mm
Bore Diameter	150 mm
Outer Diameter	85 mm
Width	28 mm
d	85 mm
D	150 mm
B	28 mm
d <sub>1</sub>	110.1 mm
d <sub>2</sub>	97.02 mm
D <sub>1</sub>	126.7 mm
a	63 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
d <sub>a</sub> - min.	96 mm
D <sub>a</sub> - max.	139 mm
D <sub>b</sub> - max.	144 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	95.6 kN
Basic static load rating - C <sub>0</sub>	83 kN
Fatigue load limit - P <sub>u</sub>	3.2 kN
Reference speed	5000 r/min
Limiting speed	5000 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	1.83
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	Polymer
Contact Angle	40 Degree
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Inch - Metric	Metric
Long Description	85MM Bore; 150MM Outside Diameter; 28MM



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	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	7217 BEP
Weight / LBS	4.028
Bore	3.346 Inch   85 Millimeter
Width	1.102 Inch   28 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
bore diameter:	85 mm
radial static load capacity:	83 kN
outside diameter:	150 mm
cage material:	Nylon
overall width:	28 mm
outer ring width:	28 mm
contact angle:	40 °
maximum rpm:	5000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	2 mm
radial dynamic load capacity:	95.6 kN
series:	72



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$d_1$	110.1 mm
$d_2$	97.02 mm
$D_1$	126.7 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	96 mm
$D_a$ max.	139 mm
$D_b$ max.	144 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating $C_0$	83 kN
Fatigue load limit $P_u$	3.25 kN
Calculation factor A	0.114
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	1.85 kg