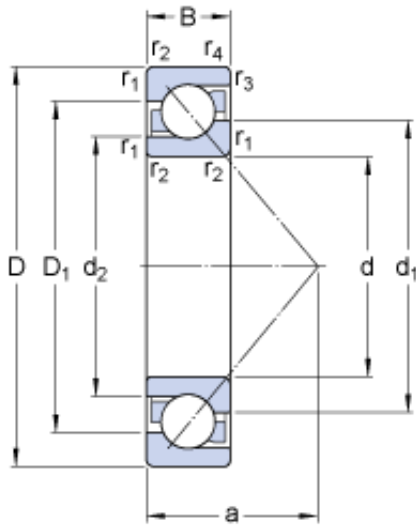




# NTNY BEARING LTD



7207 bep Bearing 2D drawings and 3D CAD models

## 35 mm x 72 mm x 17 mm skf 7207 bep bearing

Bearing No. 7207 bep

Size	72x35x17 mm
Bore Diameter	72 mm
Outer Diameter	35 mm
Width	17 mm
d	35 mm
D	72 mm
B	17 mm
$d_1$	49.65 mm
$d_2$	41.96 mm
$D_1$	58.25 mm
a	31 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
$d_a$ - min.	42 mm
$D_a$ - max.	65 mm
$D_b$ - max.	67.8 mm
$r_a$ - max.	1 mm
$r_b$ - max.	0.6 mm
Basic dynamic load rating - C	29.1 kN
Basic static load rating - $C_0$	19 kN
Fatigue load limit - $P_u$	0.815 kN
Reference speed	11000 r/min
Limiting speed	11000 r/min
Calculation factor - $k_r$	0.095
Calculation factor - $k_a$	1.4



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Calculation factor - e	1.14
Calculation factor - X	0.57
Calculation factor - Y <sub>0</sub>	0.52
Calculation factor - Y <sub>1</sub>	0.55
Calculation factor - Y <sub>2</sub>	0.93
Calculation factor - X	0.35
Calculation factor - Y <sub>0</sub>	0.26
Calculation factor - Y <sub>1</sub>	
Calculation factor - Y <sub>2</sub>	0.57
Category	Angular Contact Ball Bearings
Inventory	5.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.27
EAN	7316576632853
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	35MM Bore; 72MM Outside Diameter; 17MM



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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	7207 BEP
Weight / LBS	0.599
Outside Diameter	2.835 Inch   72 Millimeter
Bore	1.378 Inch   35 Millimeter
Width	0.669 Inch   17 Millimeter
bore diameter:	35 mm
radial static load capacity:	19 kN
outside diameter:	72 mm
cage material:	Nylon
overall width:	17 mm
outer ring width:	17 mm
contact angle:	40 °
maximum rpm:	11000 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:	1 mm
radial dynamic load capacity:	29.1 kN
series:	72



## NTNY BEARING LTD

$d_1$	49.65 mm
$d_2$	41.96 mm
$D_1$	58.25 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	42 mm
$D_a$ max.	65 mm
$D_b$ max.	67.8 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	29.1 kN
Basic static load rating $C_0$	19 kN
Fatigue load limit $P_u$	0.815 kN
Calculation factor A	0.00674
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	0.28 kg