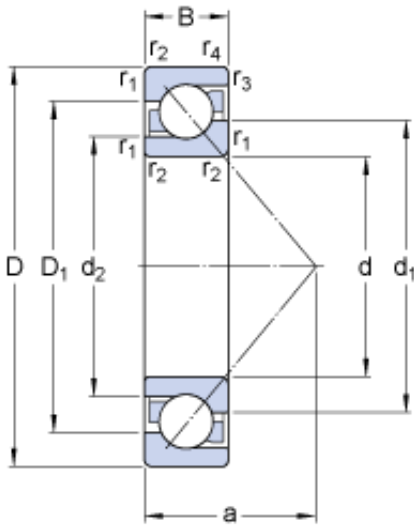




# NTNY BEARING LTD

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

Bearing No. 7207 bep



7207 bep Bearing 2D drawings and 3D CAD models

Size	72x35x17 mm
Bore Diameter	72 mm
Outer Diameter	35 mm
Width	17 mm
d	35 mm
D	72 mm
B	17 mm
d <sub>1</sub>	49.65 mm
d <sub>2</sub>	41.96 mm
D <sub>1</sub>	58.25 mm
a	31 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
d <sub>a</sub> - min.	42 mm
D <sub>a</sub> - max.	65 mm
D <sub>b</sub> - max.	67.8 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
Basic dynamic load rating - C	29.1 kN
Basic static load rating - C <sub>0</sub>	19 kN
Fatigue load limit - P <sub>u</sub>	0.815 kN
Reference speed	11000 r/min
Limiting speed	11000 r/min
Calculation factor - k <sub>r</sub>	0.095
Calculation factor - k <sub>a</sub>	1.4



## NTNY BEARING LTD

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



## NTNY BEARING LTD

	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