



# BEARING DRIVESHAFT, INC.



15 mm x 35 mm x 11 mm skf 7202 bep bearing

Bearing No. 7202 bep

7202 bep Bearing 2D drawings and 3D CAD models

Size	35x15x11 mm
Bore Diameter	35 mm
Outer Diameter	15 mm
Width	11 mm
d	15 mm
D	35 mm
B	11 mm
d <sub>1</sub>	22.7 mm
d <sub>2</sub>	18.93 mm
D <sub>1</sub>	27.8 mm
a	16 mm
r <sub>1,2</sub> - min.	0.6 mm
r <sub>3,4</sub> - min.	0.3 mm
d <sub>a</sub> - min.	19.2 mm
D <sub>a</sub> - max.	30.8 mm
D <sub>b</sub> - max.	32.6 mm
r <sub>a</sub> - max.	0.6 mm
r <sub>b</sub> - max.	0.3 mm
Basic dynamic load rating - C	8.3 kN
Basic static load rating - C <sub>0</sub>	4.4 kN
Fatigue load limit - P <sub>u</sub>	0.183 kN
Reference speed	24000 r/min
Limiting speed	24000 r/min
Calculation factor - k <sub>r</sub>	0.095
Calculation factor - k <sub>a</sub>	1.4



## BEARING DRIVESHAFT, INC.

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	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.048
EAN	7316576649691
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	15MM Bore; 35MM Outside Diameter; 11MM



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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	7202 BEP
Weight / LBS	0.099
Width	0.433 Inch   11 Millimeter
Bore	0.591 Inch   15 Millimeter
Outside Diameter	1.378 Inch   35 Millimeter
bore diameter:	15 mm
radial static load capacity:	4.4 kN
outside diameter:	35 mm
cage material:	Nylon
overall width:	11 mm
outer ring width:	11 mm
contact angle:	40 °
maximum rpm:	24000 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:	0.6 mm
radial dynamic load capacity:	8.32 kN
series:	72



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$d_1$	22.7 mm
$d_2$	18.93 mm
$D_1$	27.8 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	19.2 mm
$D_a$ max.	30.8 mm
$D_b$ max.	32.6 mm
$r_a$ max.	0.6 mm
$r_b$ max.	0.3 mm
Basic dynamic load rating C	8.32 kN
Basic static load rating $C_0$	4.4 kN
Fatigue load limit $P_u$	0.183 kN
Calculation factor A	0.000383
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	0.045 kg