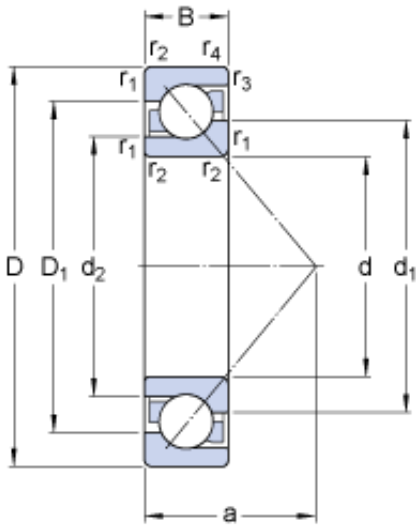




Toyana Bearing Manufacturing of Canada



7202 BEP Bearing 2D drawings and 3D CAD models

15 mm x 35 mm x 11 mm SKF 7202 BEP angular contact ball bearings

Bearing No. 7202 BEP

Size	35x15x11 mm
Bore Diameter	35 mm
Outer Diameter	15 mm
Width	11 mm
d	15 mm
D	35 mm
B	11 mm
d ₁	22.7 mm
d ₂	18.93 mm
D ₁	27.8 mm
a	16 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	8.3 kN
Basic static load rating - C ₀	4.4 kN
Fatigue load limit - P _u	0.183 kN
Reference speed	24000 r/min
Limiting speed	24000 r/min
Calculation factor - k _r	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	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



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	Outside Diameter; 11MM 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	http://www.skf.com
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



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series:	72
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