



BEARING FORGE OF AMERICA CORP.



10 mm x 30 mm x 9 mm skf 7200 bep bearing

Bearing No. 7200 bep

7200 bep Bearing 2D drawings and 3D CAD models

Size	30x10x9 mm
Bore Diameter	30 mm
Outer Diameter	10 mm
Width	9 mm
d	10 mm
D	30 mm
B	9 mm
d ₁	18.3 mm
d ₂	14.57 mm
D ₁	22.85 mm
a	13 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
d _a - min.	14.2 mm
D _a - max.	25.8 mm
D _b - max.	27.6 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	7 kN
Basic static load rating - C ₀	3.4 kN
Fatigue load limit - P _u	0.14 kN
Reference speed	30000 r/min
Limiting speed	30000 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 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	0.034
EAN	7316576632617
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	10MM Bore; 30MM Outside Diameter; 9MM



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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	http://www.skf.com
Manufacturer Item Number	7200 BEP
Weight / LBS	0.066
Outside Diameter	1.181 Inch 30 Millimeter
Width	0.354 Inch 9 Millimeter
Bore	0.394 Inch 10 Millimeter
bore diameter:	10 mm
radial static load capacity:	3.35 kN
outside diameter:	30 mm
cage material:	Nylon
overall width:	9 mm
outer ring width:	9 mm
contact angle:	40 °
maximum rpm:	30000 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:	7.02 kN
series:	72



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d_1	18.3 mm
d_2	14.57 mm
D_1	22.85 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	14.2 mm
D_a max.	25.8 mm
D_b max.	27.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	7.02 kN
Basic static load rating C_0	3.35 kN
Fatigue load limit P_u	0.14 kN
Calculation factor A	0.000224
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	0.03 kg