



Bearing No. 7200 BEP

a	13 mm
d	10 mm
D	30 mm
B	9 mm
Noun	Bearing
Bore	0.394 Inch 10 Millimeter
Width	0.354 Inch 9 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	30x10x9
Inventory	0.0
Width (mm)	9
Weight / LBS	0.066
maximum rpm:	30000 RPM
Flush Ground	No
Mass bearing	0.03 kg
Contact Angle	40 Degree
Cage Material	Polymer
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d_1	18.3 mm
d_2	14.57 mm
D_1	22.85 mm
Bearing number	7200 BEP

Keyword String	Angular Contact
fillet radius:	0.6 mm
contact angle:	40 °
overall width:	9 mm
cage material:	Nylon
bore diameter:	10 mm
Limiting speed	30000 r/min
finish/coating:	Uncoated
Reference speed	30000 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Outside Diameter	1.181 Inch 30 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	10MM Bore; 30MM Outside Diameter; 9MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
outer ring width:	9 mm
outside diameter:	30 mm
precision rating:	ABEC 3 (ISO Class 6)
Manufacturer Name	SKF
Weight / Kilogram	0.034
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	14.2 mm
Bore Diameter (mm)	30
D _a max.	25.8 mm
D _b max.	27.6 mm
r _a max.	0.6 mm
r _b max.	0.3 mm

Outer Diameter (mm)	10
internal clearance:	C0
$r_{1,2}$ min.	0.6 mm
Calculation factor A	0.000224
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	0.3 mm
Minimum Buy Quantity	N/A
D_a - max.	25.8 mm
r_b - max.	0.3 mm
r_a - max.	0.6 mm
D_b - max.	27.6 mm
d_a - min.	14.2 mm
d_2 ?	14.57 mm
D_1 ?	22.85 mm
d_1 ?	18.3 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	0.6 mm
$r_{3,4}$ - min.	0.3 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7200 BEP
Basic dynamic load rating C	7.02 kN
radial static load capacity:	3.35 kN
Basic dynamic load rating - C	7 kN
radial dynamic load capacity:	7.02 kN
Maximum Capacity /	No

Filling Slot	
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor k_r	0.095
Fatigue load limit P_u	0.14 kN
Calculation factor Y_0	0.52
Fatigue load limit - P_u	0.14 kN
Calculation factor - Y_2	0.57
Calculation factor - Y_1	
Calculation factor - k_a	1.4
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.095
Basic static load rating C_0	3.35 kN
Basic static load rating - C_0	3.4 kN