7201 BEP Bearing 2D drawings and 3D CAD models

12 mm x 32 mm x 10 mm skf 7201 BEP Single row angular contact ball bearings

Bearing No. 7201 BEP

Category	Angular Contact Ball Bearings
Inventory	8.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.039
EAN	7316576649677
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	12MM Bore; 32MM Outside Diameter; 10MM 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	7201 BEP
Weight / LBS	0.079
d	0.472 Inch | 12 Millimeter
B	0.394 Inch | 10 Millimeter
D	1.26 Inch | 32 Millimeter
bore diameter:	12 mm
radial static load capacity:	3.8 kN
outside diameter:	32 mm
cage material:	Nylon
overall width:	10 mm
outer ring width:	10 mm
contact angle:	40 °
maximum rpm:	26000 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:	7.61 kN
series:	72
d	12 mm
D	32 mm
B	10 mm
$d_1 \approx$	20.2 mm

$d_2 \approx$	16.57 mm
$D_1 \approx$	25 mm
a	14 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	16.2 mm
D_a max.	27.8 mm
D_b max.	30 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	7.61 kN
Basic static load rating C_0	3.8 kN
Fatigue load limit P_u	0.16 kN
Reference speed	28000 r/min
Limiting speed	26000 r/min
Calculation factor A	0.000283
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	0.036 kg