



Bearing No. 7203 BEP

a	18 mm
d	17 mm
D	40 mm
B	12 mm
Noun	Bearing
Bore	0.669 Inch 17 Millimeter
Width	0.472 Inch 12 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	40x17x12
Inventory	1.0
Width (mm)	12
Weight / LBS	0.141
maximum rpm:	20000 RPM
Flush Ground	No
Mass bearing	0.065 kg
Contact Angle	40 Degree
Cage Material	Polymer
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₁	26.25 mm
d ₂	21.66 mm
D ₁	31.15 mm

Bearing number	7203 BEP
Keyword String	Angular Contact
fillet radius:	0.6 mm
contact angle:	40 °
overall width:	12 mm
cage material:	Nylon
bore diameter:	17 mm
Limiting speed	20000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Reference speed	20000 r/min
Precision Class	ABEC 3 ISO P6
Outside Diameter	1.575 Inch 40 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	17MM Bore; 40MM Outside Diameter; 12MM Width; Open; No Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
outer ring width:	12 mm
outside diameter:	40 mm
precision rating:	ABEC 3 (ISO Class 6)
Manufacturer Name	SKF
Weight / Kilogram	0.06
Number of Bearings	1 (Single)
Internal Clearance	C0-Medium
d _a min.	21.2 mm
Bore Diameter (mm)	40
D _a max.	35.8 mm
D _b max.	35.8 mm
r _a max.	0.6 mm

r_b max.	0.6 mm
Outer Diameter (mm)	17
internal clearance:	C0
$r_{1,2}$ min.	0.6 mm
Calculation factor A	0.000625
Calculation factor e	1.14
Calculation factor X	0.57
$r_{3,4}$ min.	0.6 mm
Minimum Buy Quantity	N/A
D_a - max.	35.8 mm
r_b - max.	0.6 mm
r_a - max.	0.6 mm
D_b - max.	35.8 mm
d_a - min.	21.2 mm
d_2 ?	21.66 mm
D_1 ?	31.15 mm
d_1 ?	26.25 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.	0.6 mm
Number of Rows of Balls	Single Row
Manufacturer Item Number	7203 BEP
Basic dynamic load rating C	10.4 kN
radial static load capacity:	5.5 kN
Basic dynamic load rating - C	10.4 kN
radial dynamic load capacity:	10.4 kN

Maximum Capacity / Filling Slot	No
Calculation factor Y_1	0.55
Calculation factor Y_2	0.93
Calculation factor k_r	0.095
Fatigue load limit P_u	0.236 kN
Calculation factor Y_0	0.52
Fatigue load limit - P_u	0.236 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	5.5 kN
Basic static load rating - C_0	5.5 kN