



AF Bearing Machinery Co., Ltd.



7304 BEP Bearing 2D drawings and 3D CAD models

SKF 7304 BEP angular contact ball bearings

Bearing No. 7304 BEP

Size	52x20x15 mm
Bore Diameter	52 mm
Outer Diameter	20 mm
Width	15 mm
d	20 mm
D	52 mm
B	15 mm
d ₁	33.15 mm
d ₂	26.75 mm
D ₁	40.5 mm
a	22.8 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
d _a - min.	27 mm
D _a - max.	45 mm
D _b - max.	47.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	17.4 kN
Basic static load rating - C ₀	9.5 kN
Fatigue load limit - P _u	0.4 kN
Reference speed	16000 r/min
Limiting speed	16000 r/min
Calculation factor - k _r	0.1
Calculation factor - k _a	1.6



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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	0.143
EAN	7316576633751
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	20MM Bore; 52MM Outside Diameter; 15MM



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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	7304 BEP
Weight / LBS	0.3
Bore	0.787 Inch 20 Millimeter
Width	0.591 Inch 15 Millimeter
Outside Diameter	2.047 Inch 52 Millimeter
bore diameter:	20 mm
radial static load capacity:	9.5 kN
outside diameter:	52 mm
cage material:	Nylon
overall width:	15 mm
outer ring width:	15 mm
contact angle:	40 °
maximum rpm:	16000 RPM
row type & fill slot:	Single-Row Non-Fill Slot
finish/coating:	Uncoated
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
fillet radius:	1 mm
radial dynamic load capacity:	17.4 kN
series:	73



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d_1	33.15 mm
d_2	26.75 mm
D_1	40.5 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	27 mm
D_a max.	45 mm
D_b max.	47.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	17.4 kN
Basic static load rating C_0	9.5 kN
Fatigue load limit P_u	0.4 kN
Calculation factor A	0.00191
Calculation factor k_r	0.1
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	0.14 kg