



NTN BEARING MFG.CORP



20 mm x 47 mm x 14 mm SKF 7204 BEGAP Angular Contact Ball Bearings

Bearing No. 7204 BEGAP

7204 BEGAP Bearing 2D drawings and 3D CAD models

Category	Angular Contact Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.108
EAN	7316577611291
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
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)
Preload	Light
Mounting Arrangement	Universal
Inch - Metric	Metric
Long Description	20MM Bore; 47MM Outside Diameter; 14MM Width; Open; Yes Flush Ground; Ball Bearing; Single



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	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	7204 BEGAP
Weight / LBS	0.234
d	0.787 Inch 20 Millimeter
B	0.551 Inch 14 Millimeter
D	1.85 Inch 47 Millimeter
bore diameter:	20 mm
radial static load capacity:	8.15 kN
outside diameter:	47 mm
cage material:	Nylon
overall width:	14 mm
outer ring width:	14 mm
contact angle:	40 °
maximum rpm:	19000 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:	1 mm
radial dynamic load capacity:	14.3 kN
series:	72
d	20 mm



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D	47 mm
B	14 mm
d ₁	30.8 mm
d ₂	25.87 mm
D ₁	37 mm
a	21 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
d _a min.	25.6 mm
D _a max.	41.4 mm
D _b max.	42.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating C ₀	8.15 kN
Fatigue load limit P _u	0.345 kN
Reference speed	19000 r/min
Limiting speed	19000 r/min
Calculation factor A	0.00113
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	0.11 kg