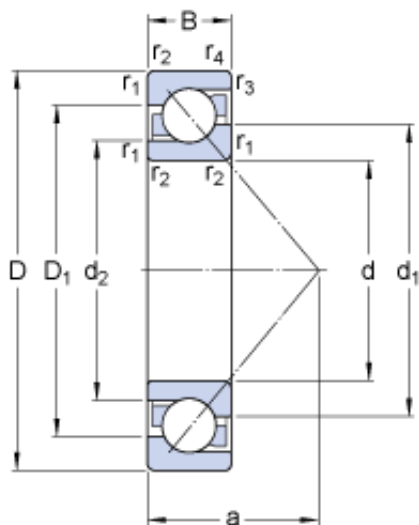




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70 mm x 125 mm x 24 mm SKF 7214 BEGAP
angular contact ball bearings

Bearing No. 7214 BEGAP

7214 BEGAP Bearing 2D drawings and 3D CAD models

Size	125x70x24 mm
Bore Diameter	125 mm
Outer Diameter	70 mm
Width	24 mm
d	70 mm
D	125 mm
B	24 mm
d ₁	91.5 mm
d ₂	80.25 mm
D ₁	104.75 mm
a	53 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
d _a - min.	79 mm
D _a - max.	116 mm
D _b - max.	119 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
Basic dynamic load rating - C	72 kN
Basic static load rating - C ₀	60 kN
Fatigue load limit - P _u	2.6 kN
Reference speed	6300 r/min
Limiting speed	6300 r/min
Calculation factor - k _r	0.095



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Calculation factor - k_a	1.4
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	1.09
EAN	7316577648594
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



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Inch - Metric	Metric
Long Description	70MM Bore; 125MM Outside Diameter; 24MM Width; Open; Yes 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	7214 BEGAP
Weight / LBS	2.407
Width	0.945 Inch 24 Millimeter
Bore	2.756 Inch 70 Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
bore diameter:	70 mm
radial static load capacity:	64 kN
outside diameter:	125 mm
cage material:	Nylon
overall width:	24 mm
outer ring width:	24 mm
contact angle:	40 °
maximum rpm:	6300 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:	1.5 mm



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radial dynamic load capacity:	75 kN
series:	72
d_1	91.5 mm
d_2	80.25 mm
D_1	104.75 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	79 mm
D_a max.	116 mm
D_b max.	119 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	72 kN
Basic static load rating C_0	60 kN
Fatigue load limit P_u	2.55 kN
Calculation factor A	0.0529
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	1.1 kg