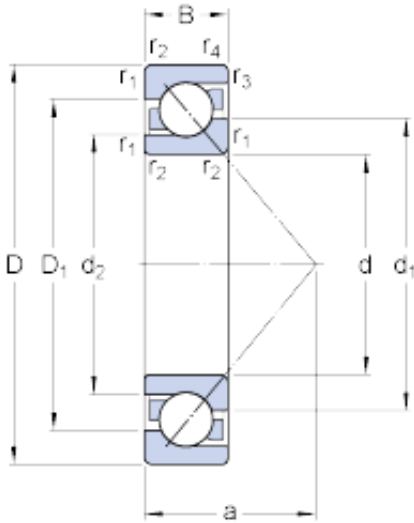




Timken BEARINGS INDUSTRY



7211 BECBJ Bearing 2D drawings and 3D CAD models

55 mm x 100 mm x 21 mm SKF 7211 BECBJ
angular contact ball bearings

Bearing No. 7211 BECBJ

Size	100x55x21 mm
Bore Diameter	100 mm
Outer Diameter	55 mm
Width	21 mm
d	55 mm
D	100 mm
B	21 mm
d ₁	72.45 mm
d ₂	63.62 mm
D ₁	83.7 mm
a	43 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
d _a - min.	64 mm
D _a - max.	91 mm
D _b - max.	94 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
Basic dynamic load rating - C	46.2 kN
Basic static load rating - C ₀	36 kN
Fatigue load limit - P _u	1.5 kN
Reference speed	7500 r/min
Limiting speed	7500 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	0.657
EAN	7316571062419
Product Group	B00308
Enclosure	Open
Flush Ground	Yes
Rolling Element	Ball Bearing
Number of Rows of Balls	Single Row
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Snap Ring	No
Cage Material	Steel
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



Timken BEARINGS INDUSTRY

Long Description	55MM Bore; 100MM Outside Diameter; 21MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; CB; Steel Cage; 40 Degree; 1 (Single); Univers
Other Features	Normal Axial Internal Clearance
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	7211 BECBJ
Bore	2.165 Inch 55 Millimeter
Width	0.827 Inch 21 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
d_1	72.45 mm
d_2	63.62 mm
D_1	83.3 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	64 mm
D_a max.	91 mm
D_b max.	94 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	49 kN
Basic static load rating C_0	40 kN
Fatigue load limit P_u	1.66 kN
Calculation factor A	0.022



Timken BEARINGS INDUSTRY

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	0.62 kg