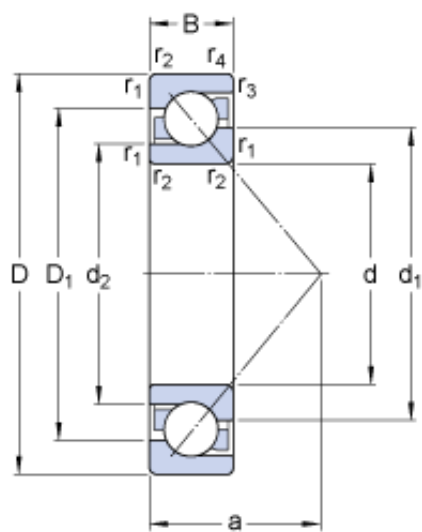




Bearing No. 7211 BECBY

a	43 mm
d	55 mm
D	100 mm
B	21 mm
Noun	Bearing
Bore	2.165 Inch 55 Millimeter
Width	0.827 Inch 21 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	100x55x21
Inventory	0.0
Width (mm)	21
Weight / LBS	1.358
maximum rpm:	7500 RPM
Flush Ground	Yes
Mass bearing	0.62 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d ₂	63.62 mm
d ₁	72.45 mm
D ₁	83.7 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	1.5 mm
contact angle:	40 °
overall width:	21 mm
cage material:	Brass
bore diameter:	55 mm
Keyword String	Angular Contact
Bearing number	7211 BECBY
Limiting speed	7500 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
Reference speed	7500 r/min
Long Description	55MM Bore; 100MM Outside Diameter; 21MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
Outside Diameter	3.937 Inch 100 Millimeter
Manufacturer URL	http://www.skf.com
Weight / Kilogram	0.62
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	100 mm
Manufacturer Name	SKF
outer ring width:	21 mm
d _a min.	64 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	100
r _b max.	1 mm
r _a max.	1.5 mm

Internal Clearance	CB
D _b max.	94 mm
D _a max.	91 mm
internal clearance:	C0
Outer Diameter (mm)	55
r _{1,2} min.	1.5 mm
Calculation factor A	0.0235
Calculation factor e	1.14
Calculation factor X	0.57
Mounting Arrangement	Universal
r _{3,4} min.	1 mm
r _b - max.	1 mm
r _a - max.	1.5 mm
D _b - max.	94 mm
d _a - min.	64 mm
Minimum Buy Quantity	N/A
D _a - max.	91 mm
D ₁ ?	83.3 mm
d ₂ ?	63.62 mm
d ₁ ?	72.45 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.35
Calculation factor - e	1.14
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7211 BECBY
Basic dynamic load rating C	51 kN
radial static load capacity:	38 kN

radial dynamic load capacity:	48.8 kN
Basic dynamic load rating - C	48.8 kN
Maximum Capacity / Filling Slot	No
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Calculation factor k_r	0.095
Fatigue load limit P_u	1.8 kN
Calculation factor - k_r	0.095
Calculation factor - Y_0	0.26
Fatigue load limit - P_u	1.6 kN
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Calculation factor - k_a	1.4
Basic static load rating C_0	42.5 kN
Basic static load rating - C_0	38 kN