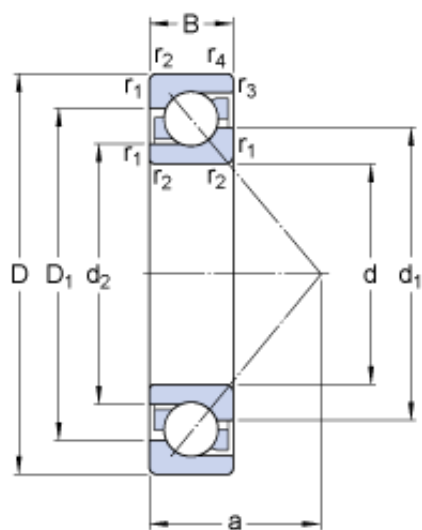




Bearing No. 7211 BEGBY

D	100 mm
d	55 mm
B	21 mm
a	43 mm
Noun	Bearing
Bore	2.165 Inch 55 Millimeter
Width	0.827 Inch 21 Millimeter
UNSPSC	31171531
weight:	1.37 lbs
series:	72
Preload	Medium
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	100x55x21
Inventory	0.0
bore type:	Round
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 ₁	83.7 mm

d ₁	72.45 mm
d ₂	63.62 mm
Bearing number	7211 BEGBY
bore diameter:	55 mm
cage material:	Brass
Limiting speed	7500 r/min
overall width:	21 mm
contact angle:	40 °
fillet radius:	1.5 mm
Keyword String	Angular Contact
finish/coating:	Uncoated
Reference speed	7500 r/min
Rolling Element	Ball Bearing
Precision Class	ABEC 3 ISO P6
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
bearing material:	Steel
outside diameter:	100 mm
Manufacturer Name	SKF
Weight / Kilogram	0.62
Number of Bearings	1 (Single)
r _b max.	1 mm
Bore Diameter (mm)	100
d _a min.	64 mm
D _a max.	91 mm

r_a max.	1.5 mm
D_b max.	94 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	55
Calculation factor A	0.0235
Calculation factor e	1.14
Mounting Arrangement	Universal
r_a - max.	1.5 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
D_b - max.	94 mm
Calculation factor X	0.57
D_a - max.	91 mm
d_a - min.	64 mm
r_b - max.	1 mm
D_1 ?	83.3 mm
d_2 ?	63.62 mm
d_1 ?	72.45 mm
Calculation factor - X	0.35
$r_{1,2}$ - min.	1.5 mm
Harmonized Tariff Code	8482.10.50.28
$r_{3,4}$ - min.	1 mm
Calculation factor - e	1.14
Number of Rows of Balls	Single Row
manufacturer upc number:	7316571062419
Manufacturer Item Number	7211 BEGBY
manufacturer product page:	Click here
Basic dynamic load rating C	48.8 kN

operating temperature range:	257 °F
radial static load capacity:	38 kN
Basic dynamic load rating - C	48.8 kN
radial dynamic load capacity:	48.8 kN
Maximum Capacity / Filling Slot	No
Calculation factor k_r	0.095
Calculation factor Y_0	0.52
Calculation factor Y_2	0.93
Calculation factor Y_1	0.55
Fatigue load limit P_u	1.63 kN
Calculation factor - Y_2	0.57
Fatigue load limit - P_u	1.6 kN
Calculation factor - Y_0	0.26
Calculation factor - k_r	0.095
Calculation factor - k_a	1.4
Calculation factor - Y_1	
Basic static load rating C_0	38 kN
Basic static load rating - C_0	38 kN