



BEARING-SINGAPORE (PTE)LTD.



85 mm x 150 mm x 28 mm SKF 7217 BECBY
angular contact ball bearings

Bearing No. 7217 BECBY

7217 BECBY Bearing 2D drawings and 3D CAD models

Size	150x85x28 mm
Bore Diameter	150 mm
Outer Diameter	85 mm
Width	28 mm
d	85 mm
D	150 mm
B	28 mm
d ₁	110.1 mm
d ₂	97.02 mm
D ₁	126.7 mm
a	63 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
d _a - min.	96 mm
D _a - max.	139 mm
D _b - max.	144 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	95.6 kN
Basic static load rating - C ₀	83 kN
Fatigue load limit - P _u	3.2 kN
Reference speed	5000 r/min
Limiting speed	5000 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	0.57
Calculation factor - Y_0	0.26
Calculation factor - Y_1	
Calculation factor - Y_2	0.57
Category	Angular Contact Ball Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.83
EAN	7316576650130
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	Brass
Contact Angle	40 Degree
Internal Clearance	CB
Number of Bearings	1 (Single)
Mounting Arrangement	Universal
Inch - Metric	Metric



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Long Description	85MM Bore; 150MM Outside Diameter; 28MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 3 ISO P6; No Filling Slot; No Snap Ring
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	7217 BECBY
Weight / LBS	4.028
Outside Diameter	5.906 Inch 150 Millimeter
Width	1.102 Inch 28 Millimeter
Bore	3.346 Inch 85 Millimeter
bore diameter:	85 mm
radial static load capacity:	83 kN
outside diameter:	150 mm
cage material:	Brass
overall width:	28 mm
outer ring width:	28 mm
contact angle:	40 °
maximum rpm:	5000 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:	2 mm



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radial dynamic load capacity:	95.6 kN
series:	72
d_1	110.1 mm
d_2	97.02 mm
D_1	126.7 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	96 mm
D_a max.	139 mm
D_b max.	144 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	102 kN
Basic static load rating C_0	90 kN
Fatigue load limit P_u	3.55 kN
Calculation factor A	0.114
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	1.85 kg