



**Bearing No. 7217 BECBY**

a	63 mm
d	85 mm
D	150 mm
B	28 mm
Noun	Bearing
Bore	3.346 Inch   85 Millimeter
Width	1.102 Inch   28 Millimeter
UNSPSC	31171531
series:	72
Category	Angular Contact Ball Bearing
Enclosure	Open
Snap Ring	No
Size (mm)	150x85x28
Inventory	2.0
Width (mm)	28
Weight / LBS	4.028
maximum rpm:	5000 RPM
Flush Ground	Yes
Mass bearing	1.85 kg
Contact Angle	40 Degree
Cage Material	Brass
closure type:	Open
Product Group	B00308
Inch - Metric	Metric
d <sub>2</sub>	97.02 mm
d <sub>1</sub>	110.1 mm
D <sub>1</sub>	126.7 mm

Other Features	Normal Axial Internal Clearance
fillet radius:	2 mm
contact angle:	40 °
overall width:	28 mm
cage material:	Brass
bore diameter:	85 mm
Keyword String	Angular Contact
Bearing number	7217 BECBY
Limiting speed	5000 r/min
finish/coating:	Uncoated
Rolling Element	Ball Bearing
Precision Class	ABEC 3   ISO P6
Reference speed	5000 r/min
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
Outside Diameter	5.906 Inch   150 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Weight / Kilogram	1.83
precision rating:	ABEC 3 (ISO Class 6)
outside diameter:	150 mm
Manufacturer Name	SKF
outer ring width:	28 mm
d <sub>a</sub> min.	96 mm
Number of Bearings	1 (Single)
Bore Diameter (mm)	150
r <sub>b</sub> max.	1 mm
r <sub>a</sub> max.	2 mm

Internal Clearance	CB
$D_b$ max.	144 mm
$D_a$ max.	139 mm
internal clearance:	C0
Outer Diameter (mm)	85
$r_{1,2}$ min.	2 mm
Calculation factor A	0.114
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.	2 mm
$D_b$ - max.	144 mm
$d_a$ - min.	96 mm
Minimum Buy Quantity	N/A
$D_a$ - max.	139 mm
$D_1$ ?	126.7 mm
$d_2$ ?	97.02 mm
$d_1$ ?	110.1 mm
row type & fill slot:	Single-Row Non-Fill Slot
Calculation factor - X	0.57
Calculation factor - e	1.14
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Harmonized Tariff Code	8482.10.50.28
Number of Rows of Balls	Single Row
Manufacturer Item Number	7217 BECBY
Basic dynamic load rating C	102 kN
radial static load capacity:	83 kN

radial dynamic load capacity:	95.6 kN
Basic dynamic load rating - C	95.6 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 $P_u$	3.55 kN
Calculation factor - $k_r$	0.095
Calculation factor - $Y_0$	0.26
Fatigue load limit - $P_u$	3.2 kN
Calculation factor - $Y_1$	
Calculation factor - $Y_2$	0.57
Calculation factor - $k_a$	1.4
Basic static load rating $C_0$	90 kN
Basic static load rating - $C_0$	83 kN