



**Bearing No. 7217 BEGAP**

D	150 mm
d	85 mm
B	28 mm
a	63 mm
Bore	3.346 Inch   85 Millimeter
Noun	Bearing
Width	1.102 Inch   28 Millimeter
UNSPSC	31171531
Preload	Light
Category	Angular Contact Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	150x85x28
Snap Ring	No
Width (mm)	28
Flush Ground	Yes
Mass bearing	1.85 kg
Contact Angle	40 Degree
Cage Material	Polyamide
Inch - Metric	Metric
D <sub>1</sub>	126.7 mm
d <sub>2</sub>	97.02 mm
d <sub>1</sub>	110.1 mm
Product Group	B00308
Keyword String	Angular Contact
Bearing number	7217 BEGAP
Limiting speed	5000 r/min

Reference speed	5000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Long Description	85MM Bore; 150MM Outside Diameter; 28MM Width; Open; Yes Flush Ground; Ball Bearing; Single Row of Balls; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; C0-Medium; Polyamide Cage; 40 Degree; 1 (Singl
Outside Diameter	5.906 Inch   150 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Name	SKF
Weight / Kilogram	0
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm
D <sub>b</sub> max.	144 mm
D <sub>a</sub> max.	139 mm
d <sub>a</sub> min.	96 mm
Bore Diameter (mm)	150
Internal Clearance	C0-Medium
Number of Bearings	1 (Single)
Outer Diameter (mm)	85
r <sub>1,2</sub> min.	2 mm
Mounting Arrangement	Universal
d <sub>a</sub> - min.	96 mm
D <sub>a</sub> - max.	139 mm
r <sub>3,4</sub> min.	1 mm
D <sub>b</sub> - max.	144 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm

Minimum Buy Quantity	N/A
Calculation factor A	0.114
Calculation factor e	1.14
Calculation factor X	0.57
$d_1$ ?	110.1 mm
$D_1$ ?	126.7 mm
$d_2$ ?	97.02 mm
Calculation factor - e	1.14
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Calculation factor - X	0.35
Number of Rows of Balls	Single Row
Basic dynamic load rating C	95.6 kN
Basic dynamic load rating - C	95.6 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	3.25 kN
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 - $P_u$	3.2 kN
Calculation factor - $k_r$	0.095
Calculation factor - $k_a$	1.4
Calculation factor - $Y_2$	0.57
Calculation factor - $Y_1$	
Calculation factor - $Y_0$	0.26
Basic static load rating $C_0$	83 kN

Basic static load rating - $C_0$	83 kN
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