



**Bearing No. 6417**

D	210 mm
d	85 mm
B	52 mm
Bore	3.346 Inch   85 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	64
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	210x85x52
Snap Ring	No
Width (mm)	52
bore type:	Round
Weight / LBS	17.59
Mass bearing	8.05 kg
maximum rpm:	4500 RPM
closure type:	Open
D <sub>1</sub>	171.25 mm
d <sub>1</sub>	123 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	85 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	3 mm
overall width:	52 mm
Bearing number	6417

Limiting speed	4500 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	7000 r/min
Outside Diameter	8.268 Inch   210 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outer Race Width	2.047 Inch   52 Millimeter
Long Description	85MM Bore; 210MM Outside Diameter; 52MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	7.99
outer ring width:	52 mm
precision rating:	ABEC 1 (ISO Class Normal)
outside diameter:	210 mm
Internal Clearance	C0-Medium
D <sub>a</sub> max.	190 mm
Bore Diameter (mm)	210
d <sub>a</sub> min.	105 mm
r <sub>a</sub> max.	3 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	85
Minimum Buy Quantity	N/A
r <sub>a</sub> - max.	3 mm
D <sub>a</sub> - max.	190 mm

$d_a$ - min.	105 mm
$r_{1,2}$ min.	4 mm
static load capacity:	137 kN
$d_1$ ?	123 mm
$D_1$ ?	171.25 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	174 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	4 mm
Manufacturer Item Number	6417
Internal Special Features	No
Basic dynamic load rating C	174 kN
Basic dynamic load rating - C	174 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	4.75 kN
Calculation factor $k_r$	0.035
Calculation factor $f_0$	12.3
Fatigue load limit - $P_u$	4.8 kN
Calculation factor - $k_r$	0.035
Calculation factor - $f_0$	12.3
Basic static load rating $C_0$	137 kN
Basic static load rating - $C_0$	137 kN