



**Bearing No. 2217**

D	150 mm
d	85 mm
B	36 mm
Bore	3.346 Inch   85 Millimeter
Noun	Bearing
UNSPSC	31171532
series:	2200
Category	Self Aligning Ball Bearings
Enclosure	Open
Inventory	0.0
Size (mm)	150x85x36
Width (mm)	36
bore type:	Straight
Weight / LBS	5.697
Mass bearing	2.5 kg
maximum rpm:	5600 RPM
Product Group	B00152
closure type:	Open
D <sub>1</sub>	130.7 mm
Inch - Metric	Metric
d <sub>1</sub>	106 mm
Cage Material	Steel
bore diameter:	85 mm
overall width:	36 mm
Keyword String	Self Aligning
cage material:	Steel
Other Features	Allowable Misalignment 3 Deg
fillet radius:	2 mm

Bearing number	2217
Limiting speed	5600 r/min
Mounting Method	Shaft
Rolling Element	Ball Bearing
Precision Class	ABEC 1   ISO P0
Reference speed	8000 r/min
finish/coating:	Uncoated
Inner Race Width	1.417 Inch   36 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	85MM Bore; Shaft Mount; 150MM Outside Diameter; 36MM Inner Race Width; 36MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium
Outer Race Width	1.417 Inch   36 Millimeter
Weight / Kilogram	2.586
outer ring width:	36 mm
precision rating:	Not Rated
Manufacturer Name	SKF
outside diameter:	150 mm
Bore Diameter (mm)	150
D <sub>a</sub> max.	139 mm
r <sub>a</sub> max.	2 mm
Internal Clearance	C0-Medium
d <sub>a</sub> min.	96 mm
Outer Diameter (mm)	85
internal clearance:	C0

$r_{1,2}$ min.	2 mm
Calculation factor e	0.25
$d_a$ - min.	96 mm
$r_a$ - max.	2 mm
$D_a$ - max.	139 mm
Minimum Buy Quantity	N/A
$D_1$ ?	130.7 mm
$d_1$ ?	106 mm
static load capacity:	23.6 kN
Calculation factor - e	0.25
Harmonized Tariff Code	8482.10.50.68
dynamic load capacity:	58.5 kN
$r_{1,2}$ - min.	2 mm
Number of Rows of Balls	Double Row
Manufacturer Item Number	2217
Basic dynamic load rating C	58.5 kN
Basic dynamic load rating - C	58.5 kN
Fatigue load limit $P_u$	1.12 kN
Calculation factor $k_r$	0.04
Calculation factor $Y_0$	2.5
Calculation factor $Y_1$	2.5
Calculation factor $Y_2$	3.9
Calculation factor - $Y_0$	2.5
Calculation factor - $Y_2$	3.9
Fatigue load limit - $P_u$	1.1 kN
Calculation factor - $k_r$	0.04
Calculation factor - $Y_1$	2.5
Permissible angular misalignment ?	2.5 °
Basic static load rating	23.6 kN

$C_0$	
Basic static load rating - $C_0$	23.6 kN