

# 1217 SKF 85x150x28mm UNSPSC 31171532 Self aligning ball bearings

Bearing number	1217
Size (mm)	85x150x28
Brand	SKF
Bore Diameter (mm)	85
Outer Diameter (mm)	150
Width (mm)	28
d	85 mm
D	150 mm
B	28 mm
C	28 mm
d2	107 mm
r1 min.	2 mm
r2 min.	2 mm
D1	134 mm
da min.	96 mm
Da max.	139 mm
ra max.	2 mm
Weight	2.05 Kg
Basic dynamic load rating (C)	48.8 kN
Basic static load rating (C0)	20.8 kN
Fatigue load limit (Pu)	0.98
Reference speed	9000 r/min
Limiting speed	5600 r/min
Calculation factor (e)	0.17

Calculation factor (kr)	0.04
Calculation factor (Y0)	4
Calculation factor (Y1)	3.7
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.101
EAN	7316576605062
Product Group – BDI	B00152
Mounting Method	Shaft
Enclosure	Open
Rolling Element	Ball Bearing
Cage Material	Steel
Precision Class	ABEC 1   ISO P0
Internal Clearance	C0-Medium
Number of Rows of Balls	Double Row
Other Features	Allowable Misalignment 3 Deg
Long Description	85MM Bore; Shaft Mount; 150MM Outside Diameter; 28MM Inner Race Width; 28MM Outer Race Width; Open; Steel Cage; Double Row of Balls; ABEC 1   ISO P0; C0-Medium
Inch – Metric	Metric
Category – BDI	Self Aligning Ball Bearings
UNSPSC	31171532
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Self Aligning

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	1217
Weight / LBS	4.628
Bore	3.346 Inch   85 Millimeter
Inner Race Width	1.102 Inch   28 Millimeter
Outer Race Width	1.102 Inch   28 Millimeter
Outside Diameter	5.906 Inch   150 Millimeter
bore diameter:	85 mm
precision rating:	Not Rated
outside diameter:	150 mm
maximum rpm:	5600 RPM
overall width:	28 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	28 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	48.8 kN
series:	1200
static load capacity:	20.8 kN
$d_1 \approx$	107 mm
$D_1 \approx$	131 mm
$r_{1,2} \text{ min.}$	2 mm
$d_a \text{ min.}$	96 mm
$D_a \text{ max.}$	139 mm
$r_a \text{ max.}$	2 mm

Basic dynamic load rating C	48.8 kN
Basic static load rating $C_0$	20.8 kN
Fatigue load limit $P_u$	0.98 kN
Permissible angular misalignment $\alpha$	2.5 °
Calculation factor $k_r$	0.04
Calculation factor e	0.17
Calculation factor $Y_0$	4
Calculation factor $Y_1$	3.7
Calculation factor $Y_2$	5.7
Mass bearing	2.05 kg