

1219 SKF Basic static load rating C0 27 kN 95x170x32mm Self aligning ball bearings

Bearing number	1219
Size (mm)	95x170x32
Brand	SKF
Bore Diameter (mm)	95
Outer Diameter (mm)	170
Width (mm)	32
d	95 mm
D	170 mm
B	32 mm
C	32 mm
d2	120 mm
r1 min.	2.1 mm
r2 min.	2.1 mm
D1	151 mm
da min.	107 mm
Da max.	158 mm
ra max.	2 mm
Weight	3.1 Kg
Basic dynamic load rating (C)	63.7 kN
Basic static load rating (C0)	27 kN
Fatigue load limit (Pu)	1.2
Reference speed	8000 r/min
Limiting speed	5000 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	3.135
EAN	7316576605444
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	95MM Bore; Shaft Mount; 170MM Outside Diameter; 32MM Inner Race Width; 32MM 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	http://www.skf.com
Manufacturer Item Number	1219
Weight / LBS	6.905
Bore	3.74 Inch 95 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
Outer Race Width	1.26 Inch 32 Millimeter
Inner Race Width	1.26 Inch 32 Millimeter
bore diameter:	95 mm
precision rating:	Not Rated
outside diameter:	170 mm
maximum rpm:	5000 RPM
overall width:	32 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	32 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	63.7 kN
series:	1200
static load capacity:	27 kN
$d_1 \approx$	120.4 mm
$D_1 \approx$	148.1 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	107 mm
$D_a \text{ max.}$	158 mm
$r_a \text{ max.}$	2 mm

Basic dynamic load rating C	63.7 kN
Basic static load rating C_0	27 kN
Fatigue load limit P_u	1.2 kN
Permissible angular misalignment α	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	3.1 kg