

# 1216 SKF 80x140x26mm static load capacity: 17 kN Self aligning ball bearings

Bearing number	1216
Size (mm)	80x140x26
Brand	SKF
Bore Diameter (mm)	80
Outer Diameter (mm)	140
Width (mm)	26
d	80 mm
D	140 mm
B	26 mm
C	26 mm
d2	101 mm
r1 min.	2 mm
r2 min.	2 mm
D1	125 mm
da min.	91 mm
Da max.	129 mm
ra max.	2 mm
Weight	1.65 Kg
Basic dynamic load rating (C)	39.7 kN
Basic static load rating (C0)	17 kN
Fatigue load limit (Pu)	0.83
Reference speed	9500 r/min
Limiting speed	6000 r/min
Calculation factor (e)	0.16

Calculation factor (kr)	0.04
Calculation factor (Y0)	4
Calculation factor (Y1)	3.9
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.696
EAN	7316576605390
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	80MM Bore; Shaft Mount; 140MM Outside Diameter; 26MM Inner Race Width; 26MM 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	1216
Weight / LBS	3.735
Bore	3.15 Inch   80 Millimeter
Outer Race Width	1.024 Inch   26 Millimeter
Outside Diameter	5.512 Inch   140 Millimeter
Inner Race Width	1.024 Inch   26 Millimeter
bore diameter:	80 mm
precision rating:	Not Rated
outside diameter:	140 mm
maximum rpm:	6000 RPM
overall width:	26 mm
cage material:	Steel
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	26 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	39.7 kN
series:	1200
static load capacity:	17 kN
$d_1 \approx$	102 mm
$D_1 \approx$	122.6 mm
$r_{1,2} \text{ min.}$	2 mm
$d_a \text{ min.}$	91 mm
$D_a \text{ max.}$	129 mm
$r_a \text{ max.}$	2 mm

Basic dynamic load rating C	39.7 kN
Basic static load rating $C_0$	17 kN
Fatigue load limit $P_u$	0.83 kN
Permissible angular misalignment $\alpha$	2.5 °
Calculation factor $k_r$	0.04
Calculation factor e	0.16
Calculation factor $Y_0$	4
Calculation factor $Y_1$	3.9
Calculation factor $Y_2$	6.1
Mass bearing	1.65 kg