

2313 SKF 140x65x48mm bore diameter: 65 mm Self aligning ball bearings

Bearing number	2313
Size (mm)	140x65x48
Brand	SKF
Bore Diameter (mm)	140
Outer Diameter (mm)	65
Width (mm)	48
d	65 mm
D	140 mm
B	48 mm
d_1	86 mm
D_1	119.1 mm
$r_{1,2} - \text{min.}$	2.1 mm
$d_a - \text{min.}$	77 mm
$D_a - \text{max.}$	128 mm
$r_a - \text{max.}$	2 mm
Basic dynamic load rating – C	95.6 kN
Basic static load rating – C_0	32.5 kN
Fatigue load limit – P_u	1.7 kN
Reference speed	9000 r/min
Limiting speed	6300 r/min
Calculation factor – k_r	0.05
Calculation factor – e	0.37

Calculation factor – Y_0	1.8
Calculation factor – Y_1	1.7
Calculation factor – Y_2	2.6
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	3.284
EAN	7316576605284
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	65MM Bore; Shaft Mount; 140MM Outside Diameter; 48MM Inner Race Width; 48MM 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	2313
Weight / LBS	7.233
Inner Race Width	1.89 Inch 48 Millimeter
Bore	2.559 Inch 65 Millimeter
Outer Race Width	1.89 Inch 48 Millimeter
Outside Diameter	5.512 Inch 140 Millimeter
bore diameter:	65 mm
static load capacity:	32.5 kN
outside diameter:	140 mm
precision rating:	Not Rated
overall width:	48 mm
maximum rpm:	6300 RPM
bore type:	Straight
finish/coating:	Uncoated
closure type:	Open
outer ring width:	48 mm
internal clearance:	C0
fillet radius:	2 mm
dynamic load capacity:	95.6 kN
series:	2300
$d_1 \approx$	86 mm
$D_1 \approx$	119.1 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	77 mm
$D_a \text{ max.}$	128 mm
$r_a \text{ max.}$	2 mm

Basic dynamic load rating C	95.6 kN
Basic static load rating C_0	32.5 kN
Fatigue load limit P_u	1.66 kN
Permissible angular misalignment α	3 °
Calculation factor k_r	0.05
Calculation factor e	0.37
Calculation factor Y_0	1.8
Calculation factor Y_1	1.7
Calculation factor Y_2	2.6
Mass bearing	3.25 kg