

# 2303 SKF Harmonized Tariff Code 8482.10.50.68 17x47x19mm Self aligning ball bearings

Bearing number	2303
Size (mm)	17x47x19
Brand	SKF
Bore Diameter (mm)	17
Outer Diameter (mm)	47
Width (mm)	19
d	17 mm
D	47 mm
B	19 mm
C	19 mm
d2	25.8 mm
r1 min.	1 mm
r2 min.	1 mm
D1	39.4 mm
da min.	22.6 mm
Da max.	41.4 mm
ra max.	1 mm
Weight	0.16 Kg
Basic dynamic load rating (C)	14.3 kN
Basic static load rating (C0)	3.55 kN
Fatigue load limit (Pu)	0.19
Reference speed	30000 r/min
Limiting speed	22000 r/min
Calculation factor (e)	0.52

Calculation factor (kr)	0.05
Calculation factor (Y0)	1.3
Calculation factor (Y1)	1.2
Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.158
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	17MM Bore; Shaft Mount; 47MM Outside Diameter; 19MM Inner Race Width; 19MM 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>

Bore	0.669 Inch   17 Millimeter
Inner Race Width	0.748 Inch   19 Millimeter
Outside Diameter	1.85 Inch   47 Millimeter
Outer Race Width	0.748 Inch   19 Millimeter
$d_1 \approx$	26.15 mm
$D_1 \approx$	37.2 mm
$r_{1,2} \text{ min.}$	1 mm
$d_a \text{ min.}$	22.6 mm
$D_a \text{ max.}$	41.4 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating $C_0$	3.55 kN
Fatigue load limit $P_u$	0.19 kN
Permissible angular misalignment $\alpha$	3 °
Calculation factor $k_r$	0.05
Calculation factor e	0.52
Calculation factor $Y_0$	1.3
Calculation factor $Y_1$	1.2
Calculation factor $Y_2$	1.9
Mass bearing	0.16 kg