

# 2309 KOYO Weight / Kilogram 0 45x100x36mm Self aligning ball bearings

Bearing number	2309
Size (mm)	45x100x36
Brand	KOYO
Bore Diameter (mm)	45
Outer Diameter (mm)	100
Width (mm)	36
d	45 mm
D	100 mm
B	36 mm
C	36 mm
r min.	1.5 mm
da min.	53 mm
Da max.	92 mm
ra max.	1.5 mm
Weight	1.23 Kg
Basic dynamic load rating (C)	54.4 kN
Basic static load rating (C0)	16.7 kN
(Grease) Lubrication Speed	5600 r/min
(Oil) Lubrication Speed	7700 r/min
Calculation factor (e)	0.42
Calculation factor (Y0)	1.58
Calculation factor (Y1)	1.51

Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	KOYO
Minimum Buy Quantity	N/A
Weight / Kilogram	0
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	45MM Bore; Shaft Mount; 100MM Outside Diameter; 36MM Inner Race Width; 36MM 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.koyousa.com">http://www.koyousa.com</a>
Weight / LBS	2.71168
Bore	1.772 Inch   45 Millimeter
Inner Race Width	1.417 Inch   36 Millimeter

Outside Diameter	3.937 Inch   100 Millimeter
Outer Race Width	1.417 Inch   36 Millimeter
Bearing No.	2309
r(min)	1.5
Cr	54.4
C0r	16.6
Cu	1.05
Grease lub.	5600
Oil lub.	7700
da(min)	53
Da(max)	92
ra(max)	1.5
e	0.42
Y1	1.51
Y2	2.33
Y0	1.58
(Refer.) Mass (kg)	1.23