

# 1309 KOYO 45x100x25mm Grease Lub. 6100 Self aligning ball bearings

Bearing number	1309
Size (mm)	45x100x25
Brand	KOYO
Bore Diameter (mm)	45
Outer Diameter (mm)	100
Width (mm)	25
d	45 mm
D	100 mm
B	25 mm
C	25 mm
r min.	1.5 mm
da min.	53 mm
Da max.	92 mm
ra max.	1.5 mm
Weight	0.957 Kg
Basic dynamic load rating (C)	38.1 kN
Basic static load rating (C0)	12.7 kN
(Grease) Lubrication Speed	6100 r/min
(Oil) Lubrication Speed	7500 r/min
Calculation factor (e)	0.25
Calculation factor (Y0)	2.68
Calculation factor (Y1)	2.56

Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	KOYO
Minimum Buy Quantity	N/A
Weight / Kilogram	1.035
EAN	0605790001710
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; 25MM Inner Race Width; 25MM 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>
Manufacturer Item Number	1309
Weight / LBS	2.10982

Bore	1.772 Inch   45 Millimeter
Outside Diameter	3.937 Inch   100 Millimeter
Inner Race Width	0.984 Inch   25 Millimeter
Outer Race Width	0.984 Inch   25 Millimeter
Bearing No.	1309
r(min)	1.5
Cr	38.1
C0r	12.9
Cu	0.80
Grease lub.	6100
Oil lub.	7500
da(min)	53
Da(max)	92
ra(max)	1.5
e	0.25
Y1	2.56
Y2	3.95
Y0	2.68
(Refer.) Mass (kg)	0.957