

# 1208 KOYO 40x80x18mm

## Calculation factor (Y0) 2.97

### Self aligning ball bearings

Bearing number	1208
Size (mm)	40x80x18
Brand	KOYO
Bore Diameter (mm)	40
Outer Diameter (mm)	80
Width (mm)	18
d	40 mm
D	80 mm
B	18 mm
C	18 mm
r min.	1.1 mm
da min.	46.5 mm
Da max.	73.5 mm
ra max.	1 mm
Weight	0.417 Kg
Basic dynamic load rating (C)	19.2 kN
Basic static load rating (C0)	6.50 kN
(Grease) Lubrication Speed	7500 r/min
(Oil) Lubrication Speed	9200 r/min
Calculation factor (e)	0.22
Calculation factor (Y0)	2.97
Calculation factor (Y1)	2.83

Category	Self Aligning Ball Bearings
BDI Inventory	0.0
Manufacturer Name	KOYO
Minimum Buy Quantity	N/A
Weight / Kilogram	0.451
EAN	0605790001031
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 2.5 Deg
Long Description	40MM Bore; Shaft Mount; 80MM Outside Diameter; 18MM Inner Race Width; 18MM 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	1208
Weight / LBS	0.91933

Inner Race Width	0.709 Inch   18 Millimeter
Outside Diameter	3.15 Inch   80 Millimeter
Outer Race Width	0.709 Inch   18 Millimeter
Bore	1.575 Inch   40 Millimeter
Bearing No.	1208
r(min)	1.1
Cr	19.2
C0r	6.50
Cu	0.41
Grease lub.	7500
Oil lub.	9200
da(min)	46.5
Da(max)	73.5
ra(max)	1
e	0.22
Y1	2.83
Y2	4.38
Y0	2.97
(Refer.) Mass (kg)	0.417