



BEARING CORP.OF AMERICA



16.535 Inch | 420 Millimeter x 27.559 Inch | 700 Millimeter x 8.819 Inch | 224 Millimeter TIMKEN 23184YMBW509C08C3 Spherical Roller Bearings

Bearing No. 23184YMBW509C08C3

23184YMBW509C08C3 Bearing 2D drawings and 3D CAD models

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	345.95
EAN	0087796188877
Product Group	M06288
Internal Clearance	C3-Loose
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Bronze
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Inch - Metric	Metric
Long Description	420MM Straight Bore; 700MM Outside Diameter; 224MM Width; C3-Loose Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Bronze Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing
UNSPSC	31171510



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Harmonized Tariff Code	8482.30.80.00
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.timken.com
Manufacturer Item Number	23184 YMBW509C08C3
Weight / LBS	762
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
B	8.819 Inch 224 Millimeter
d	16.535 Inch 420 Millimeter
D	27.559 Inch 700 Millimeter
Design Unit	METRIC
Bearing Weight	350.800 Kg
Cage Type	YMB
UPC Code	087796188877
d - Bore	420.000 mm
D - Outer Diameter	700.000 mm
B - Inner Ring Width	224 mm
B - Outer Ring Width	224.000 mm
R - Inner Ring To Clear Radius ¹	5.000 mm
r - Outer Ring To Clear Radius ²	5.000 mm
da - Inner Ring Backing Diameter	480.000 mm
Da - Outer Ring Backing Diameter	636.000 mm
C0 - Static Radial Rating	9640000 N
C1(2) - Dynamic Radial Rating (Two-Rows)	5720000 N
e - ISO Factor ³	0.31
Y0 - ISO Factor ⁴	2.21
Y1 - ISO Factor ⁵	3.2
Y2 - ISO Factor ⁶	2.16



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Reference Thermal Speed Rating (Grease)	440
Reference Thermal Speed Rating (Oil) ⁷	480
Cg - Geometry Factor ⁸	0.0957