



# Precision Bearing Industry Co., Ltd.



1.969 Inch | 50 Millimeter x 4.331 Inch | 110  
 Millimeter x 1.575 Inch | 40 Millimeter TIMKEN  
 22310EMW33W800C4 Bearing

Bearing No. 22310EMW33W800C4

22310EMW33W800C4 Bearing 2D drawings and 3D  
 CAD models

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	1.87
EAN	0087796026209
Product Group	B04311
Internal Clearance	C4-Extra 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	50MM Straight Bore; 110MM Outside Diameter; 40MM Width; C4-Extra Loose Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Bronze Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing



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UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	<a href="http://www.timken.com">http://www.timken.com</a>
Manufacturer Item Number	22310 YMW33W800C4
Weight / LBS	3.876
d	1.969 Inch   50 Millimeter
B	1.575 Inch   40 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
D	4.331 Inch   110 Millimeter
Design Unit	METRIC
Bearing Weight	1.9 Kg
Cage Type	EM
UPC Code	087796026209
Superseded Part	22310YMW33W800C4
d - Bore	50 mm
D - Outer Diameter	109.993 mm
B - Inner Ring Width	40 mm
B - Outer Ring Width	40 mm
R - Inner Ring To Clear Radius <sup>1</sup>	2.0 mm
r - Outer Ring To Clear Radius <sup>2</sup>	2.0 mm
da - Inner Ring Backing Diameter	65.0 mm
Da - Outer Ring Backing Diameter	98.000 mm
C0 - Static Radial Rating	225000 N
C1(2) - Dynamic Radial Rating (Two-Rows)	227000 N
e - ISO Factor <sup>3</sup>	0.36
Y0 - ISO Factor <sup>4</sup>	1.89



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Y1 - ISO Factor <sup>5</sup>	2.81
Y2 - ISO Factor <sup>6</sup>	1.85
Reference Thermal Speed Rating (Grease)	4700
Reference Thermal Speed Rating (Oil) <sup>7</sup>	5600
Cg - Geometry Factor <sup>8</sup>	0.0549