



# Precision Bearing Industry Co., Ltd.



3.543 Inch | 90 Millimeter x 7.48 Inch | 190  
 Millimeter x 2.52 Inch | 64 Millimeter TIMKEN  
 22318EMW33W800C4 Bearing

Bearing No. 22318EMW33W800C4

22318EMW33W800C4 Bearing 2D drawings and 3D  
 CAD models

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	8.767
EAN	0087796026810
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	90MM Straight Bore; 190MM Outside Diameter; 64MM 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	22318 YMW33W800C4
Weight / LBS	19.11
B	2.52 Inch   64 Millimeter
Adapter Part Number	Not Applicable Inch   Not Applicable Millimeter
D	7.48 Inch   190 Millimeter
d	3.543 Inch   90 Millimeter
Design Unit	METRIC
Bearing Weight	8.8 Kg
Cage Type	EM
UPC Code	087796026810
Superseded Part	22318 YMW33W800C4
d - Bore	90 mm
D - Outer Diameter	189.993 mm
B - Inner Ring Width	64 mm
B - Outer Ring Width	64.000 mm
R - Inner Ring To Clear Radius <sup>1</sup>	2.500 mm
r - Outer Ring To Clear Radius <sup>2</sup>	2.500 mm
da - Inner Ring Backing Diameter	116.000 mm
Da - Outer Ring Backing Diameter	171.000 mm
C0 - Static Radial Rating	659000 N
C1(2) - Dynamic Radial Rating (Two-Rows)	606000 N
e - ISO Factor <sup>3</sup>	0.32
Y0 - ISO Factor <sup>4</sup>	2.09



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Y1 - ISO Factor <sup>5</sup>	3.11
Y2 - ISO Factor <sup>6</sup>	2.04
Reference Thermal Speed Rating (Grease)	2900
Reference Thermal Speed Rating (Oil) <sup>7</sup>	3400
Cg - Geometry Factor <sup>8</sup>	0.0685