



TIMKEN BEARING-SINGAPORE (PTE)LTD.



231/500YMBW507C08 Bearing 2D drawings and 3D CAD models

19.685 Inch | 500 Millimeter x 32.677 Inch | 830 Millimeter x 10.394 Inch | 264 Millimeter
TIMKEN 231/500YMBW507C08 Spherical Roller Bearings

Bearing No. 231/500YMBW507C08

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	570.68
EAN	0087796030657
Product Group	M06288
Internal Clearance	C0-Medium
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	500MM Straight Bore; 830MM Outside Diameter; 264MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Bronze Cage Material; Open Enclosure; Relubricatable



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Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	8482.30.80.00
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.timken.com
Manufacturer Item Number	231/500 YMBW507C08
Weight / LBS	1,257
d	19.685 Inch 500 Millimeter
D	32.677 Inch 830 Millimeter
B	10.394 Inch 264 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Design Unit	METRIC
Bearing Weight	584.300 Kg
Cage Type	YMB
UPC Code	087796030657
d - Bore	500.000 mm
D - Outer Diameter	830.000 mm
B - Inner Ring Width	264 mm
B - Outer Ring Width	264.000 mm
R - Inner Ring To Clear Radius ¹	6.000 mm
r - Outer Ring To Clear Radius ²	6.000 mm
da - Inner Ring Backing Diameter	572.000 mm
Da - Outer Ring Backing Diameter	753.000 mm
C0 - Static Radial Rating	13900000 N
C1(2) - Dynamic Radial Rating (Two-Rows)	7880000 N
e - ISO Factor ³	0.3
Y0 - ISO Factor ⁴	2.22



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Y1 - ISO Factor ⁵	3.3
Y2 - ISO Factor ⁶	2.17
Reference Thermal Speed Rating (Grease)	330
Reference Thermal Speed Rating (Oil) ⁷	360
Cg - Geometry Factor ⁸	0.1073