



LINEAR BEARINGS CO.,LTD



22312EMW33C3 Bearing 2D drawings and 3D CAD models

22312EMW33C3 TIMKEN Cylindrical Roller Bearings-Inner Ring

Bearing No. 22312EMW33C3

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
Weight	0
Product Group	B04311
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	60MM Straight Bore; 130MM Outside Diameter; 46MM Width; C3-Loose Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Bronze Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	8482.30.80.00
Noun	Bearing



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Keyword String	Spherical
Manufacturer URL	http://www.timken.com
Manufacturer Item Number	22312 YMW33C3
Weight / LBS	6.204
B	1.811 Inch 46 Millimeter
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
d	2.362 Inch 60 Millimeter
D	5.118 Inch 130 Millimeter
Design Unit	METRIC
Bearing Weight	3.0 Kg
Cage Type	EM
UPC Code	087796136892
Superseded Part	22312YMW33C3
d - Bore	60 mm
D - Outer Diameter	130 mm
B - Inner Ring Width	46 mm
B - Outer Ring Width	46 mm
R - Inner Ring To Clear Radius ¹	2.0 mm
r - Outer Ring To Clear Radius ²	2.0 mm
da - Inner Ring Backing Diameter	77.0 mm
Da - Outer Ring Backing Diameter	117.000 mm
C0 - Static Radial Rating	307000 N
C1(2) - Dynamic Radial Rating (Two-Rows)	306000 N
e - ISO Factor ³	0.34
Y0 - ISO Factor ⁴	1.98
Y1 - ISO Factor ⁵	2.94
Y2 - ISO Factor ⁶	1.93
Reference Thermal Speed	4100



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Rating (Grease)	
Reference Thermal Speed Rating (Oil) ⁷	4900
Cg - Geometry Factor ⁸	0.0532