



NTN BEARING CORP.OF AMERICA

Timken YA100RR Ball Insert Bearings



YA100RR Bearing 2D drawings and 3D CAD models

Bearing No. YA100RR

Category	Insert Bearings Cylindrical OD
Inventory	36.0
Manufacturer Name	TIMKEN
Minimum Buy Quantity	N/A
UNSPSC	31171536
Weight	0.168
EAN	0087796053298
Product Group	M06110
Inner Race Profile	Narrow Inner Ring
Outer Race Profile	Cylindrical
Mounting Method	Set Screw
Rolling Element	Ball Bearing
Relubricatable	No
Seal Type	Double Land Riding Rubber Contact
Snap Ring	No
Inch - Metric	Inch
Long Description	1" Bore; Narrow Inner Ring; 0.591" Outer Race Width; Cylindrical Outer Race Profile; 2 3/64" Outside Diameter; Set Screw; Ball Bearing; 1-7/64" Length Thru Bore; No Relubricatable;
Other Features	Single Row Standard Duty
Outer Race Width	0.591 Inch 15.011 Millimeter



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D	2.047 Inch 51.994 Millimeter
D	1.109 Inch 28.169 Millimeter
d	1 Inch 25.4 Millimeter
Shaft Size d	1 in
Bore Type	Cylindrical bore
Bearing Type	Ball Bearing
Material	Bearing Steel
Lubrication Type	Non-Relubricatable
O.D. Type	Cylindrical OD
Series	Standard
Weight	0.50 lb
Sub Series	YA..RR
Outside Diameter D	2.047 in
Inner Ring Width B	28.2 mm
Outside Ring Width C	15.000 mm
Radius r	0.6 mm
Center of Bearing from End S	8.84 mm
Dimension S1	19.36 mm
Set Screw Distance S2	6.35 mm
Set Screw Size	M6x1
Number of Set Screws	2
Angle between Set Screws	90 °
Static Load Rating	1750 lbf
Dynamic Load Rating	3490 lbf