



# PFG BEARING LIMITED

timken ya100rr bearing



Bearing No. ya100rr

ya100rr Bearing 2D drawings and 3D CAD models

|                      |   |
|----------------------|---|
| Category             | Insert Bearings Cylindrical<br>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<br>Rubber Contact  |
| Snap Ring            | No  |
| Inch - Metric        | Inch  |
| Long Description     | 1" Bore; Narrow Inner Ring;<br>0.591" Outer Race Width;<br>Cylindrical Outer Race<br>Profile; 2 3/64" Outside<br>Diameter; Set Screw; Ball<br>Bearing; 1-7/64" Length<br>Thru Bore; No<br>Relubricatable; |
| Other Features       | Single Row   Standard Duty  |
| Outer Race Width     | 0.591 Inch   15.011<br>Millimeter   |
|                      |   |



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|                                 |                                   |
|---------------------------------|-----------------------------------|
| D                               | 2.047 Inch   51.994<br>Millimeter |
| D                               | 1.109 Inch   28.169<br>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<br>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                          |