

### 6309/VA201



Single row deep groove ball bearings for high temperature applications are designed for challenging operating conditions, with certain variants being capable of performing at temperatures as high as 350 °C (660 °F). They have increased radial internal clearances and use graphite-based lubricants that are optimized for operation at high temperatures. The entire surface of the bearings are manganese phosphate treated, which enhances adhesion of the lubricant to the metal and improves their running-in properties. As with deep groove ball bearings generally, they are particularly versatile, accommodate radial and axial loads in both directions, and are easy to mount.

- Optimized for operation at high temperatures – up to 350 °C (660 °F)
- Easily swapped with grease-lubricated bearings of corresponding ISO dimensions
- Increased reliability, reduced complexity and decreased environmental impact
- Typical benefits of single row deep groove ball bearings

| Dimensions                    |          |
|-------------------------------|----------|
| Bore diameter                 | 45 mm    |
| Outside diameter              | 100 mm   |
| Width                         | 25 mm    |
| Performance                   |          |
| Basic static load rating      | 31.5 kN  |
| Limiting speed                | 60 r/min |
| Maximum operating temperature | 250 °C   |
| Properties                    |          |
| Filling slots                 | Without  |
| Number of rows                | 1        |

|                                      |                        |
|--------------------------------------|------------------------|
| Locating feature, bearing outer ring | None                   |
| Bore type                            | Cylindrical            |
| Cage                                 | Sheet metal            |
| Matched arrangement                  | No                     |
| Radial internal clearance            | Multiples of C5        |
| Material, bearing                    | High temperature steel |
| Coating                              | Coated                 |
| Sealing                              | Without                |
| Lubricant                            | Solid lubricant        |
| Relubrication feature                | Without                |
| Logistics                            |                        |
| Product net weight                   | 0.83 kg                |
| eClass code                          | 23-05-90-90            |
| UNSPSC code                          | 31171504               |