



# 618/1000 MA/C3

## Deep groove ball bearing

Single row deep groove ball bearings are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types.

- Simple, versatile and robust design
- Low friction
- High-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

## Overview

### Dimensions

|                  |          |
|------------------|----------|
| Bore diameter    | 1 000 mm |
| Outside diameter | 1 220 mm |
| Width            | 100 mm   |

### Performance

|                           |           |
|---------------------------|-----------|
| Basic dynamic load rating | 637 kN    |
| Basic static load rating  | 1 800 kN  |
| Limiting speed            | 600 r/min |
| Reference speed           | 750 r/min |

## Properties

|                                      |                |
|--------------------------------------|----------------|
| Bore type                            | Cylindrical    |
| Cage                                 | Machined metal |
| Coating                              | Without        |
| Filling slots                        | Without        |
| Locating feature, bearing outer ring | None           |
| Lubricant                            | None           |
| Matched arrangement                  | No             |
| Material, bearing                    | Bearing steel  |
| Number of rows                       | 1              |
| Radial internal clearance            | C3             |
| Relubrication feature                | Without        |
| Sealing                              | Without        |

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