

YET 211



Insert bearings are based on sealed deep groove ball bearings. This variant is intended for use in applications where the direction of rotation is constant. It has a narrow inner ring extended on one side, with an eccentric locking collar, enabling quick and easy mounting onto the shaft.

- Designed for rotation in one direction
- Quick and easy to mount onto the shaft
- Long service life
- Reduce noise and vibration levels



| Dimensions       |            |                                                          |
|------------------|------------|----------------------------------------------------------|
| d                | 55 mm      | Bore diameter                                            |
| D                | 100 mm     | Outside diameter                                         |
| B <sub>1</sub>   | 48.4 mm    | Overall bearing width                                    |
| B                | 32.6 mm    | Width of inner ring                                      |
| C                | 25 mm      | Width of outer ring                                      |
| d <sub>1</sub>   | ≈ 69.06 mm | Outside diameter of inner ring                           |
| d <sub>2</sub>   | 74.5 mm    | Outside diameter of locking collar                       |
| B <sub>4</sub>   | 7.9 mm     | Distance from side face to thread centre                 |
| r <sub>1,2</sub> | min. 1 mm  | Chamfer dimension of inner ring                          |
| s <sub>1</sub>   | 35.9 mm    | Distance from locking device side face to raceway centre |

Calculation data

|                           |                |         |
|---------------------------|----------------|---------|
| Basic dynamic load rating | C              | 43.6 kN |
| Basic static load rating  | C <sub>0</sub> | 29 kN   |
| Fatigue load limit        | P <sub>u</sub> | 1.25 kN |

|                    |                                        |    |
|--------------------|----------------------------------------|----|
| Limiting speed     | 3 600 r/min                            |    |
|                    | Limiting speed with shaft tolerance h6 |    |
| Calculation factor | $f_0$                                  | 14 |

## Mounting information

|                                             |          |       |
|---------------------------------------------|----------|-------|
| Set screw                                   | $G_2$    | M10x1 |
| Hexagonal key size for set screw            | N        | 5 mm  |
| Recommended tightening torque for set screw | 16.5 N·m |       |

## Associated products

|                     |           |
|---------------------|-----------|
| Rubber seating ring | RIS 211 A |
|---------------------|-----------|

## Tolerances and clearances

### GENERAL BEARING SPECIFICATIONS

- Tolerances: table 1, table 2
- Radial internal clearance: Standard inner ring, Other bearings

### BEARING INTERFACES

- Shaft tolerances