

# YAT 211-200

## Insert bearings

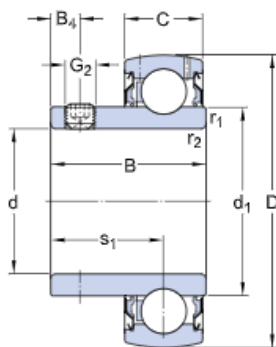
### Bearing data

[Tolerances](#),  
table 1, table 2,  
[Radial internal clearance](#),  
Standard inner ring, Other bearings

### Design considerations

[Shaft tolerances](#)

## Technical specification



### DIMENSIONS

|                  |            |
|------------------|------------|
| d                | 50.8 mm    |
| D                | 100 mm     |
| B                | 45 mm      |
| C                | 25 mm      |
| d <sub>1</sub>   | ≈ 69.06 mm |
| B <sub>4</sub>   | 9 mm       |
| r <sub>1,2</sub> | min. 1 mm  |
| s <sub>1</sub>   | 32.5 mm    |

### 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 speed1)          |                | 3600 r/min |
| Calculation factor        | f <sub>0</sub> | 14         |

### MASS

|              |      |
|--------------|------|
| Mass bearing | 1 kg |
|--------------|------|

## MOUNTING INFORMATION

|   |                |            |
|---|----------------|------------|
| Set screw                                   | G <sub>2</sub> | 3/8-24 UNF |
| Hexagonal key size for set screw            | N              | 4.763 mm   |
| Recommended tightening torque for set screw |                | 16.5 N·m   |

## More information

| Product details                          | Engineering information                                 | Tools                                  |
|--|---|--|
| <a href="#">Designs and variants</a>     | <a href="#">Principles of rolling bearing selection</a> | <a href="#">Bearing Select</a>         |
| <a href="#">Lubrication</a>              | <a href="#">General bearing knowledge</a>               | <a href="#">Engineering Calculator</a> |
| <a href="#">Bearing data</a>             | <a href="#">Bearing selection process</a>               | <a href="#">SimPro Quick</a>           |
| <a href="#">Loads</a>                    | <a href="#">Bearing failure and how to prevent it</a>   | <a href="#">Heater selection tool</a>  |
| <a href="#">Temperature limits</a>       |   |  |
| <a href="#">Permissible speed</a>        |   |  |
| <a href="#">Design considerations</a>    |   |  |
| <a href="#">Mounting and dismounting</a> |   |  |
| <a href="#">Designation system</a>       |   |  |

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