



## YAR 207-2LPW/SS Insert

### bearings

Popular item

### Insert bearings

#### Bearing data

[Tolerances](#),

table 1, table 2,

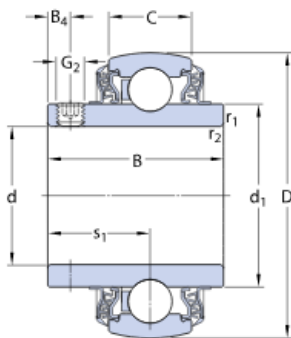
[Radial internal clearance](#),

Standard inner ring, Other bearings

#### Design considerations

[Shaft tolerances](#)

## Technical specification



### DIMENSIONS

|                  |           |
|------------------|-----------|
| d                | 35 mm     |
| D                | 72 mm     |
| B                | 42.9 mm   |
| C                | 19 mm     |
| d <sub>1</sub>   | ≈ 46.1 mm |
| B <sub>4</sub>   | 6 mm      |
| r <sub>1,2</sub> | min. 1 mm |
| s <sub>1</sub>   | 25.4 mm   |

### CALCULATION DATA

|                              |                |             |
|------------------------------|----------------|-------------|
| Basic dynamic load rating    | C              | 21.6 kN     |
| Basic static load rating     | C <sub>0</sub> | 15.3 kN     |
| Fatigue load limit           | P <sub>u</sub> | 0.655 kN    |
| Limiting speed <sup>1)</sup> |                | 3 200 r/min |
| Calculation factor           | f <sub>0</sub> | 14          |

### MASS

|              |         |
|--------------|---------|
| Mass bearing | 0.45 kg |
|--------------|---------|

## MOUNTING INFORMATION

|   |                |         |
|---|----------------|---------|
| Set screw                                   | G <sub>2</sub> | M6x0.75 |
| Hexagonal key size for set screw            | N              | 3 mm    |
| Recommended tightening torque for set screw |                | 4 N·m   |

## ASSOCIATED PRODUCTS

|                     |  |           |
|---------------------|--|-----------|
| Rubber seating ring |  | RIS 207 A |
|---------------------|--|-----------|

More information

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

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