



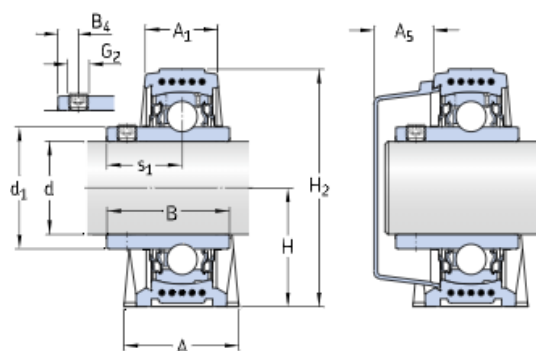
## SYK 25 TR

### Pillow block ball bearing units

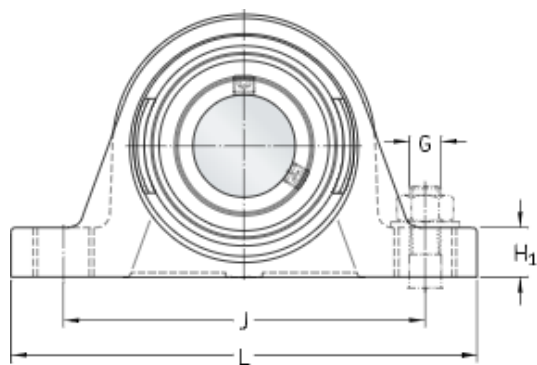
#### Technical specification

|                          |                                    |
|--------------------------|------------------------------------|
| Compliance with standard | ISO                                |
| Purpose specific         | For material handling applications |
| Housing material         | Composite                          |
| Sealing solution         | Multiple seals                     |

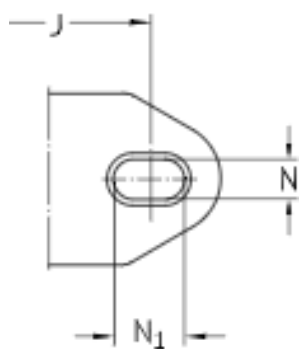
#### DIMENSIONS



|                |             |
|----------------|-------------|
| d              | 25 mm       |
| d <sub>1</sub> | ≈ 33.74 mm  |
| A              | 32 mm       |
| A <sub>1</sub> | 22 mm       |
| A <sub>5</sub> | 20 mm       |
| B              | 34.1 mm     |
| B <sub>4</sub> | 5 mm        |
| H              | 36.5 mm     |
| H <sub>1</sub> | 16 mm       |
| H <sub>2</sub> | 71 mm       |
| J              | 105.5 mm    |
| J              | max. 111 mm |
| J              | min. 100 mm |



|                |         |
|----------------|---------|
| L              | 134 mm  |
| N              | 12 mm   |
| N <sub>1</sub> | 17.5 mm |
| s <sub>1</sub> | 19.8 mm |



## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 14 kN       |
| Basic static load rating  | C <sub>0</sub> | 7.8 kN      |
| Fatigue load limit        | P <sub>u</sub> | 0.335 kN    |
| Limiting speed            |                | 4 300 r/min |
| with shaft tolerance h6   |                |             |

## MASS

|                   |         |
|-------------------|---------|
| Mass bearing unit | 0.31 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    |
| Recommended diameter for attachment bolts, mm   | G | 10 mm    |
| Recommended diameter for attachment bolts, inch | G | 0.375 in |

## INCLUDED PRODUCTS

|         |             |
|---------|-------------|
| Housing | SYK 505     |
| Bearing | YAR 205-2RF |

## ASSOCIATED PRODUCTS

|           |         |
|-----------|---------|
| End cover | ECY 205 |
|-----------|---------|

## More information

| Product details  | Engineering information  | Tools  |
|--|--|--|
| <a href="#">Pillow block units to ISO standards</a>                        | <a href="#">Principles of ball bearing units selection and application - Download catalogue (4.9 MB)</a> | <a href="#">Bearing Select</a>   |
| <a href="#">Pillow block units to North American standards</a>             | <a href="#">Principles of selecting mounted bearing solutions</a>  | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Pillow block units to Japanese Industrial Standards (JIS)</a>  | <a href="#">Bearing failure and how to prevent it</a>  | <a href="#">Rolling bearings mounting and dismounting instructions</a> |
| <a href="#">Pillow block units, not standardized (incl. SKF Food Line)</a> |  |  |
| <a href="#">Ball bearing unit data</a>                                     |  |  |
| <a href="#">Loads</a>  |  |  |
| <a href="#">Temperature limits</a>   |  |  |
| <a href="#">Permissible speed</a>  |  |  |
| <a href="#">Lubrication</a>  |  |  |
| <a href="#">Mounting and dismounting</a>                                   |  |  |
| <a href="#">Designation system</a>   |  |  |

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