



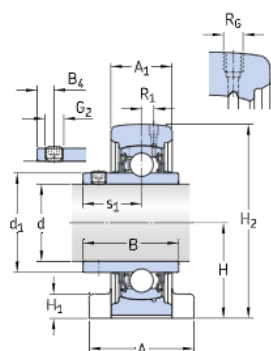
## SYFJ 20 TF

### Short base pillow block ball bearing units

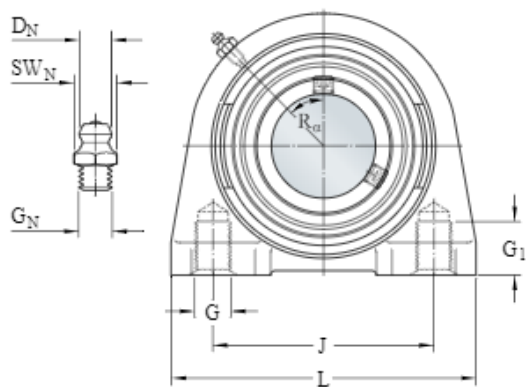
### Technical specification

|                          |   |
|--------------------------|---|
| Compliance with standard | JIS                                     |
| Purpose specific         | For material handling applications      |
| Housing material         | Cast iron                               |
| Sealing solution         | Standard seals with additional flingers |

### DIMENSIONS



|                |           |
|----------------|-----------|
| d              | 20 mm     |
| d <sub>1</sub> | ≈ 28.2 mm |
| A              | 38 mm     |
| A <sub>1</sub> | 24 mm     |
| B              | 31 mm     |
| B <sub>4</sub> | 4.5 mm    |
| H              | 30.2 mm   |
| H <sub>1</sub> | 8 mm      |
| H <sub>2</sub> | 62.5 mm   |
| J              | 52 mm     |
| L              | 76 mm     |
| s <sub>1</sub> | 18.3 mm   |



## THREADED HOLE

|            |            |
|------------|------------|
| $R_G$      | 1/4-28 UNF |
| $R_1$      | 2 mm       |
| $R_\alpha$ | 45 °       |

## GREASE FITTING

|        |               |
|--------|---------------|
| $D_N$  | 6.5 mm        |
| $SW_N$ | 7 mm          |
| $G_N$  | 1/4-28 SAE-LT |

## CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C     | 12.7 kN     |
| Basic static load rating  | $C_0$ | 6.55 kN     |
| Fatigue load limit        | $P_u$ | 0.28 kN     |
| Limiting speed            |       | 8 500 r/min |
| with shaft tolerance h6   |       |             |

## MASS

|                   |         |
|-------------------|---------|
| Mass bearing unit | 0.47 kg |
|-------------------|---------|

## MOUNTING INFORMATION

|   |       |         |
|---|-------|---------|
| Thread for attachment bolts                 | G     | M10     |
| Thread length                               | $G_1$ | 12 mm   |
| Set screw                                   | $G_2$ | M6x0.75 |
| Hexagonal key size for set screw            | N     | 3 mm    |
| Recommended tightening torque for set screw |       | 4 N·m   |

## INCLUDED PRODUCTS

Housing

SYFJ 504

Bearing

YAR 204-2F

## More information

## Product details

[Pillow block units to ISO standards](#)[Pillow block units to North American standards](#)[Pillow block units to Japanese Industrial Standards \(JIS\)](#)[Pillow block units, not standardized \(incl. SKF Food Line\)](#)[Ball bearing unit data](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Lubrication](#)[Mounting and dismounting](#)[Designation system](#)

## Engineering information

[Principles of ball bearing units selection and application - Download catalogue \(4.9 MB\)](#)[Principles of selecting mounted bearing solutions](#)[Bearing failure and how to prevent it](#)

## Tools

[Bearing Select](#)[Engineering Calculator](#)[Rolling bearings mounting and dismounting instructions](#)

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