

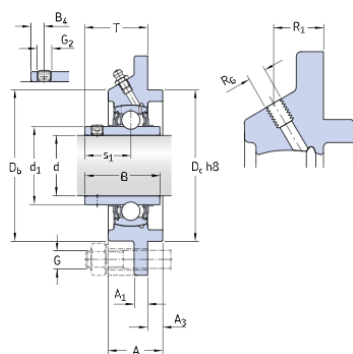
## FYC 50 TF

Round and triangular flanged ball bearing units

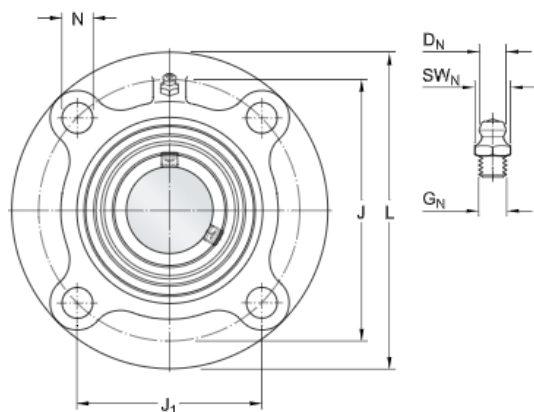
### Technical specification

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

### DIMENSIONS



|                |            |
|----------------|------------|
| d              | 50 mm      |
| d <sub>1</sub> | ≈ 62.51 mm |
| A              | 39.5 mm    |
| A <sub>1</sub> | 14 mm      |
| A <sub>3</sub> | 12 mm      |
| B              | 51.6 mm    |
| B <sub>4</sub> | 9 mm       |
| D <sub>b</sub> | 113.1 mm   |
| D <sub>c</sub> | 110 mm     |
| J              | 138 mm     |
| J <sub>1</sub> | 97.6 mm    |
| L              | 165 mm     |
| N              | 16 mm      |



|       |         |
|-------|---------|
| $s_1$ | 32.6 mm |
|-------|---------|

|     |         |
|-----|---------|
| $T$ | 42.6 mm |
|-----|---------|

#### THREADED HOLE

|       |            |
|-------|------------|
| $R_G$ | 1/4-28 UNF |
|-------|------------|

|       |       |
|-------|-------|
| $R_1$ | 22 mm |
|-------|-------|

#### GREASE FITTING

|       |        |
|-------|--------|
| $D_N$ | 6.5 mm |
|-------|--------|

|        |      |
|--------|------|
| $SW_N$ | 7 mm |
|--------|------|

|       |               |
|-------|---------------|
| $G_N$ | 1/4-28 SAE-LT |
|-------|---------------|

#### CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | $C$   | 35.1 kN     |
| Basic static load rating  | $C_0$ | 23.2 kN     |
| Fatigue load limit        | $P_u$ | 0.98 kN     |
| Limiting speed            |       | 4 000 r/min |
| with shaft tolerance h6   |       |             |

#### MASS

|                   |         |
|-------------------|---------|
| Mass bearing unit | 2.85 kg |
|-------------------|---------|

#### 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 |
| Recommended diameter for attachment bolts, mm   | $G$   | 14 mm    |
| Recommended diameter for attachment bolts, inch | $G$   | 0.563 in |

## INCLUDED PRODUCTS

|         |            |
|---------|------------|
| Housing | FYC 510    |
| Bearing | YAR 210-2F |

## More information

| Product details  | Engineering information  | Tools  |
|--|--|--|
| <a href="#">Flanged 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="#">Flanged units to North American standards</a>            | <a href="#">Principles of selecting mounted bearing solutions</a>  | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Flanged 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="#">Flanged units, not standardized (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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