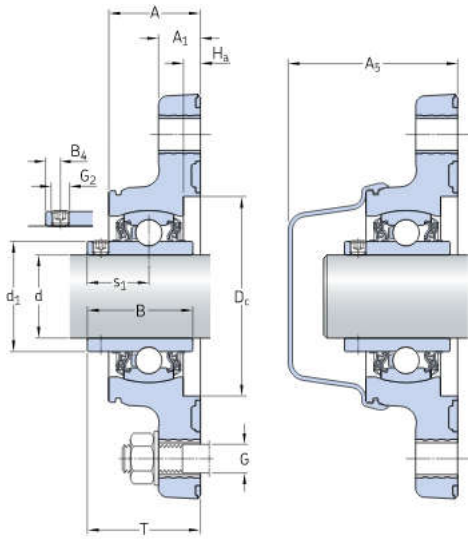
# F2BC 40M-TPSS

## Oval flanged ball bearing units



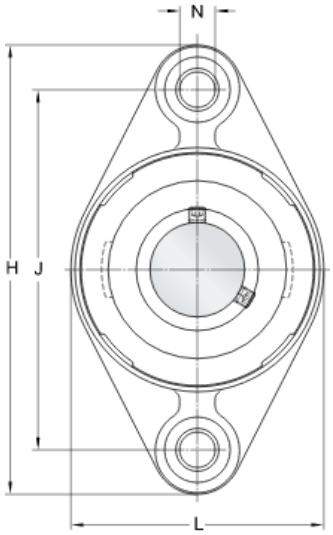
## Technical specification

| | |
|---|---|
| Compliance with standard | Not standardized |
| Purpose specific | For food and beverage applications |
| Housing material | Composite for the SKF Food Line |
| Sealing solution | Gutter seals and flingers |




### DIMENSIONS

| | |
|---|---|
| d | 40 mm |
| $d_1$ | ≈ 51.8 mm |
| A | 38 mm |
| $A_1$ | 17 mm |
| $A_5$ | 67.9 mm |
| B | 49.2 mm |
| $B_4$ | 10 mm |
| $D_c$ | 88 mm |
| H | 178 mm |
| $H_a$ | 6 mm |
| J | 144 mm |
| L | 98 mm |
| N | 14.2 mm |




| | |
|---|---|
| $s_1$ | 30.2 mm |
| T | 50.9 mm |

## CALCULATION DATA

| | | |
|---|---|---|
| Basic dynamic load rating | C | 24.7 kN |
| Basic static load rating | $C_0$ | 19 kN |
| Fatigue load limit | $P_u$ | 0.8 kN |
| Limiting speed | | 2800 r/min |
| with shaft tolerance h6 | | |

## MASS

| | |
|---|---|
| Mass bearing unit | 0.8 kg |

## MOUNTING INFORMATION

| | | |
|---|---|---|
| Set screw | $G_2$ | M8x1 |
| Hexagonal key size for set screw | N | 4 mm |
| Recommended tightening torque for set screw | | 6.5 N·m |
| Recommended diameter for attachment bolts, mm | G | 12 mm |
| Recommended diameter for attachment bolts, inch | G | 0.5 in |

## INCLUDED PRODUCTS

| | |
|---|---|
| Housing | F2BC 508 |
| Bearing | YAR 208-2LPW/SS |

## ASSOCIATED PRODUCTS

| | |
|---|---|
| End cover | ECB 508 |

## More information

### Product details

- Flanged units to ISO standards
- Flanged units to North American standards
- Flanged units to Japanese Industrial Standards (JIS)
- Flanged units, not standardized (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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