

FYC 40 TF

Round and triangular flanged ball bearing units

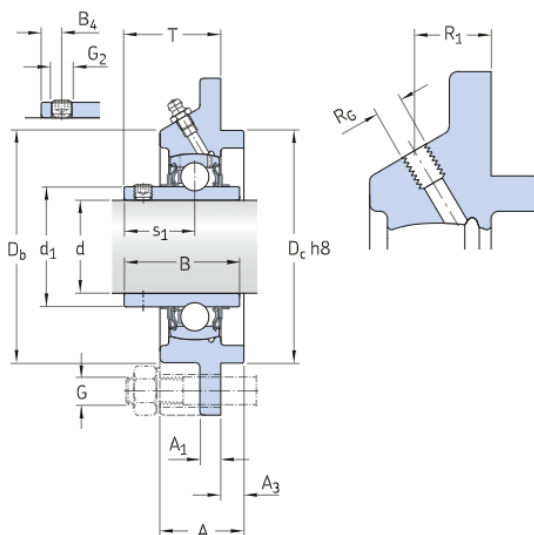
The values depend on the included bearing:

table 1, table 2, table 3,
table 4

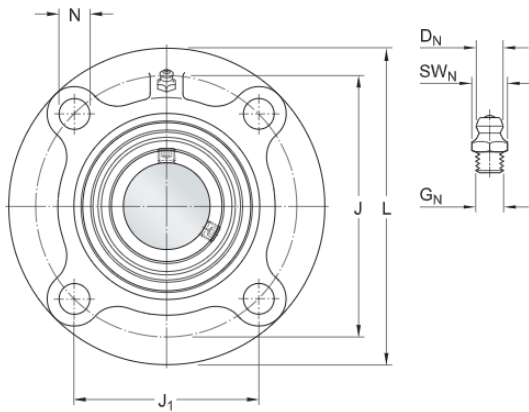
Technical specification

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

DIMENSIONS



| | | |
|----------------|-----------|---|
| d | 40 mm | Bore diameter |
| d ₁ | ≈ 51.8 mm | Outer diameter inner ring |
| A | 35.5 mm | Housing width |
| A ₁ | 9 mm | Flange width |
| A ₃ | 10 mm | Height of spherical seat centre |
| B | 49.2 mm | Width of inner ring |
| B ₄ | 8 mm | Distance from locking device side face to thread centre |
| D _b | 100.1 mm | External diameter |
| D _c | 100 mm | Centering diameter |
| J | 120 mm | Distance between attachment bolts |
| J ₁ | 84.9 mm | Width of attachment bolt hole |
| L | 145 mm | Overall width |



| | | |
|----|---------|--|
| N | 14 mm | Length of attachment bolt hole |
| s1 | 30.2 mm | Distance from locking device side face to raceway centre |
| T | 41.2 mm | Overall unit width |

THREADED HOLE

| | | |
|----------------|------------|--------------------------------------|
| R _G | 1/4-28 UNF | Housing thread for grease fitting |
| R ₁ | 17 mm | Axial position of the housing thread |

GREASE FITTING

| | | |
|-----------------|---------------|---|
| DN | 6.5 mm | Diameter of head sphere of grease fitting |
| SW _N | 7 mm | Hexagonal key size for the grease fitting |
| GN | 1/4-28 SAE-LT | Thread of the grease fitting |

CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 30.7 kN |
| Basic static load rating | C ₀ | 19 kN |
| Fatigue load limit | P _u | 0.8 kN |
| Limiting speed | | 4 800 r/min |
| with shaft tolerance h6 | | |

MASS

| | |
|-------------------|---------|
| Mass bearing unit | 1.95 kg |
|-------------------|---------|

MOUNTING INFORMATION

| | | |
|----------------------------------|----------------|------|
| Set screw | G ₂ | M8x1 |
| Hexagonal key size for set screw | | 4 mm |
| Recommended tightening | | 6.5 |

| | | |
|---|---|--------|
| torque for set screw | | Nm |
| Recommended diameter for attachment bolts, mm | G | 12 mm |
| Recommended diameter for attachment bolts, inch | G | 0.5 in |

INCLUDED PRODUCTS

| | | |
|---------|--|------------|
| Housing | | FYC 508 |
| Bearing | | YAR 208-2F |

More information

| Product details | Engineering information | Tools |
|--|--|--|
| Flanged units to ISO standards | Principles of ball bearing units selection and application - Download catalogue (4.9 MB) | Bearing Select |
| Flanged units to North American standards | Principles of selecting mounted bearing solutions | Engineering Calculator |
| Flanged units to Japanese Industrial Standards (JIS) | Bearing failure and how to prevent it | Rolling bearings mounting and dismounting instructions |
| Flanged units, not standardized (SKF Food Line) | | |
| Permissible misalignment | | |
| Locating/non-locating support flanged | | |
| Loads | | |
| Temperature limits | | |
| Permissible speed | | |
| Lubrication | | |
| Mounting and dismounting | | |
| Ordering information | | |
| Designation system | | |

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