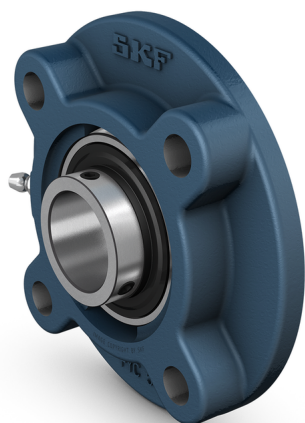




FYC 35 TF

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

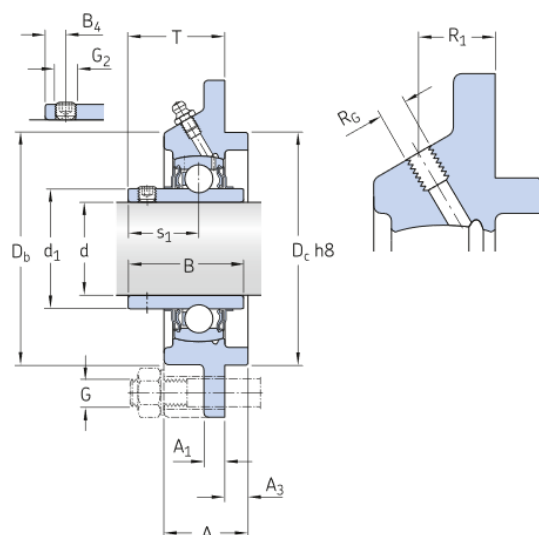
Housing material

Cast iron

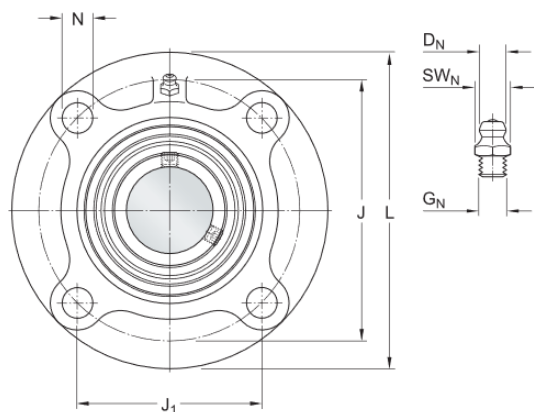
Sealing solution

Standard seals with additional flingers

DIMENSIONS



d	35 mm	Bore diameter
d ₁	≈ 46.1 mm	Outer diameter inner ring
A	33.5 mm	Housing width
A ₁	9 mm	Flange width
A ₃	8 mm	Height of spherical seat centre
B	42.9 mm	Width of inner ring
B ₄	6 mm	Distance from locking device side face to thread centre
D _b	90.1 mm	External diameter
D _c	90 mm	Centering diameter
J	110 mm	Distance between attachment bolts
J ₁	77.8 mm	Width of attachment bolt hole
L	135 mm	Overall width



N	14 mm	Length of attachment bolt hole
s ₁	25.4 mm	Distance from locking device side face to raceway centre
T	36.4 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	25.5 kN
Basic static load rating	C ₀	15.3 kN
Fatigue load limit	P _u	0.655 kN
Limiting speed		5 300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	1.6 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw		3 mm
Recommended tightening		4

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 507
Bearing	YAR 207-2F

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 \(SKF Food Line\)](#)

[Permissible misalignment](#)

[Locating/non-locating support flanged](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[Ordering information](#)

[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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