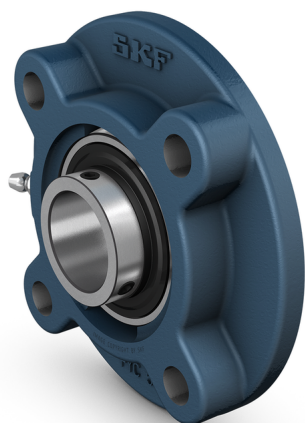




FYC 25 TF

Round and triangular flanged ball bearing units

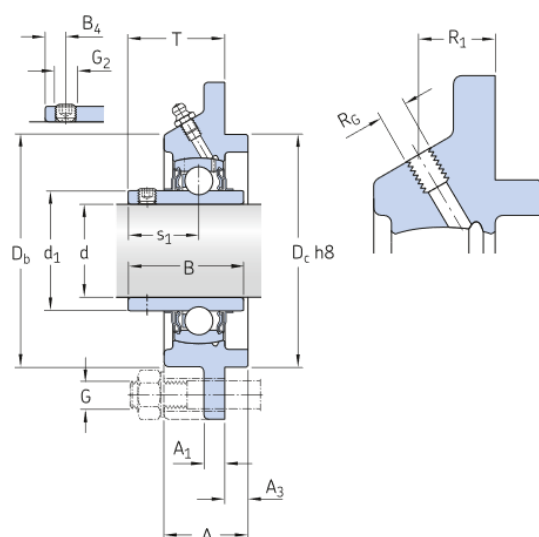
The values depend on the included bearing:

table 1, table 2, table 3,
table 4

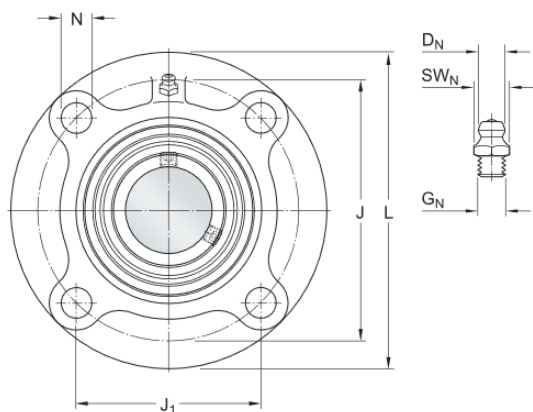
Technical specification

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

DIMENSIONS



d	25 mm	Bore diameter
d ₁	≈ 33.74 mm	Outer diameter inner ring
A	27 mm	Housing width
A ₁	7 mm	Flange width
A ₃	6 mm	Height of spherical seat centre
B	34.1 mm	Width of inner ring
B ₄	5 mm	Distance from locking device side face to thread centre
D _b	70 mm	External diameter
D _c	70 mm	Centering diameter
J	90 mm	Distance between attachment bolts
J ₁	63.6 mm	Width of attachment bolt hole
L	115 mm	Overall width



N	12 mm	Length of attachment bolt hole
s ₁	19.8 mm	Distance from locking device side face to raceway centre
T	29.8 mm	Overall unit width

THREADED HOLE

R _G	1/4-28 UNF	Housing thread for grease fitting
R ₁	16 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	14 kN
Basic static load rating	C ₀	7.8 kN
Fatigue load limit	P _u	0.335 kN
Limiting speed		7 000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit		0.95 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	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	FYC 505
Bearing	YAR 205-2F

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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