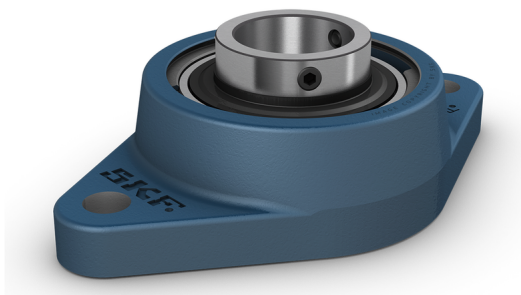


FYTJ 30 TF

Oval flanged ball bearing units

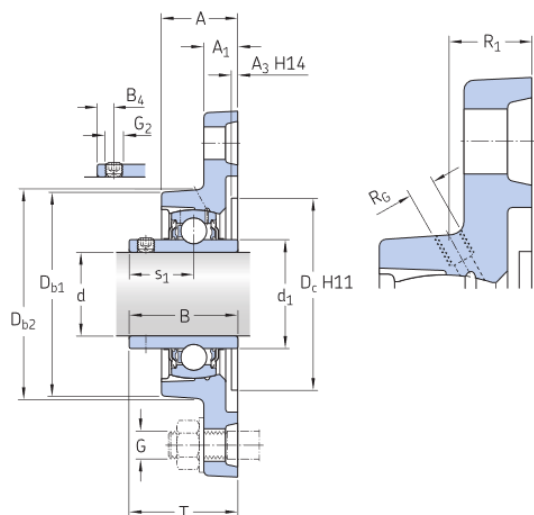


The values depend on the included bearing:

table 1, table 2, table 3,
table 4

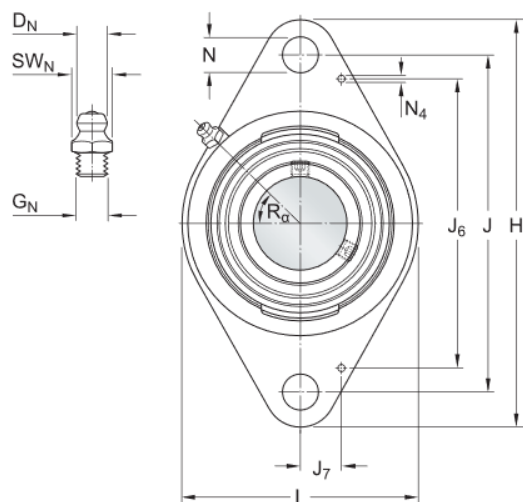
Technical specification

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



DIMENSIONS

d	30 mm	Bore diameter
d ₁	≈ 39.7 mm	Outer diameter inner ring
A	30.5 mm	Overall width
A ₁	13.5 mm	Flange width
A ₃	3.2 mm	Depth of centring recess
B	38.1 mm	Width of inner ring
B ₄	5 mm	Distance from locking device side face to thread centre
D _{b1}	77 mm	Top external diameter
D _{b2}	80 mm	Base external diameter
D _c	76.2 mm	Diameter of housing centering recess
H	148 mm	Overall height
J	117 mm	Distance between attachment bolts



L	80 mm	Overall length
N	16 mm	Diameter of attachment bolt hole
s1	22.2 mm	Distance from locking device side face to raceway centre
T	40.2 mm	Overall unit width

THREADED HOLE

RG	1/4-28 UNF	Housing thread for grease fitting
R1	19 mm	Axial position of the housing thread
R0	45 °	Angular position of the housing thread

GREASE FITTING

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

DOWEL PINS

J6	99 mm	Distance of dowel pins
J7	12.5 mm	Axial offset of dowel pins
Nz	2 mm	Recommended diameter for dowel pins

CALCULATION DATA

Basic dynamic load rating	C	19.5 kN
Basic static load rating	C0	11.2 kN
Fatigue load limit	Pu	0.475 kN
Limiting speed		6 300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.87 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw		3 mm
Recommended tightening torque for set screw		4 Nm
Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.563 in

INCLUDED PRODUCTS

Housing	FYTJ 506
Bearing	YAR 206-2F

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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