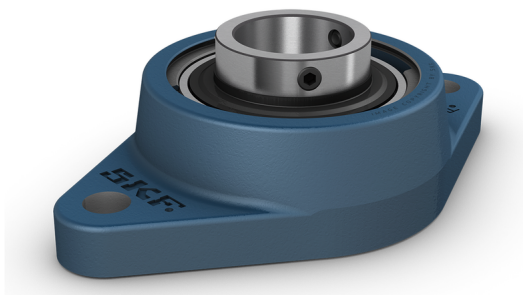


FYTJ 20 TF

Oval flanged ball bearing units

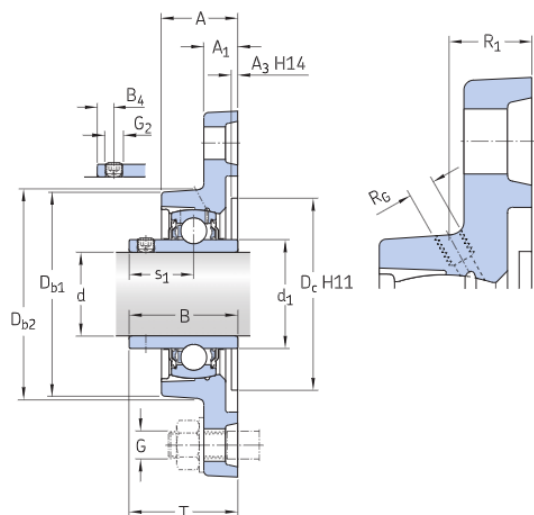


The values depend on the included bearing:

table 1, table 2, table 3,
table 4

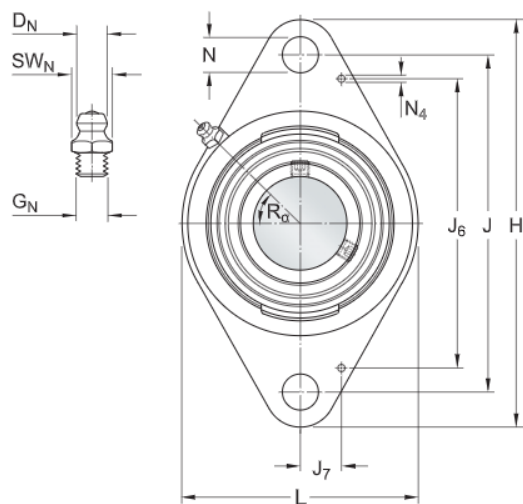
Technical specification

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



DIMENSIONS

d	20 mm	Bore diameter
d ₁	≈ 28.2 mm	Outer diameter inner ring
A	25.5 mm	Overall width
A ₁	12 mm	Flange width
A ₃	3.2 mm	Depth of centring recess
B	31 mm	Width of inner ring
B ₄	4.5 mm	Distance from locking device side face to thread centre
D _{b1}	58 mm	Top external diameter
D _{b2}	60 mm	Base external diameter
D _c	50.8 mm	Diameter of housing centering recess
H	112 mm	Overall height
J	90 mm	Distance between attachment bolts



L	60 mm	Overall length
N	12 mm	Diameter of attachment bolt hole
s1	18.3 mm	Distance from locking device side face to raceway centre
T	33.3 mm	Overall unit width

THREADED HOLE

R _C	1/4-28 UNF	Housing thread for grease fitting
R ₁	16.5 mm	Axial position of the housing thread
R ₀	45 °	Angular 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

DOWEL PINS

J ₆	74 mm	Distance of dowel pins
J ₇	11.5 mm	Axial offset of dowel pins
N _L	2 mm	Recommended diameter for dowel pins

CALCULATION DATA

Basic dynamic load rating	C	12.7 kN
Basic static load rating	C ₀	6.55 kN
Fatigue load limit	P _u	0.28 kN
Limiting speed		8 500 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.43 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	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	FYTJ 504
Bearing	YAR 204-2F

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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