

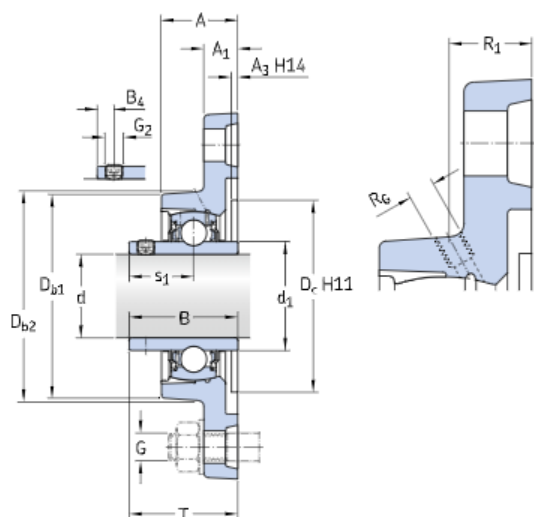


FYTB 12 TF

Oval flanged ball bearing units

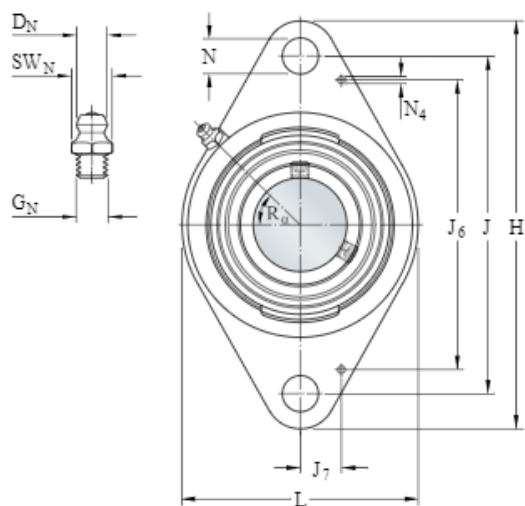
Technical specification

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



DIMENSIONS

d	12 mm
d ₁	≈ 24.2 mm
A	26 mm
A ₁	11 mm
A ₃	3.2 mm
B	27.4 mm
B ₄	4 mm
D _{b1}	50 mm
D _{b2}	57 mm
D _c	50.8 mm
H	98.5 mm
J	76.5 mm
L	57 mm



N	11.5 mm
s ₁	15.9 mm
T	32.9 mm

THREADED HOLE

R _G	1/4-28 UNF
R ₁	19 mm
R _α	45 °

GREASE FITTING

D _N	6.5 mm
SW _N	7 mm
G _N	1/4-28 SAE-LT

DOWEL PINS

J ₆	61.5 mm
J ₇	11 mm
N ₄	2 mm

CALCULATION DATA

Basic dynamic load rating	C	9.56 kN
Basic static load rating	C ₀	4.75 kN
Fatigue load limit	P _u	0.2 kN
Limiting speed		9 500 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.35 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw	N	3 mm
Recommended tightening torque for set screw		4 N·m
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	FYTB 503 M
Bearing	YAR 203/12-2F

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 \(SKF Food Line\)](#)

[Ball bearing unit data](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[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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