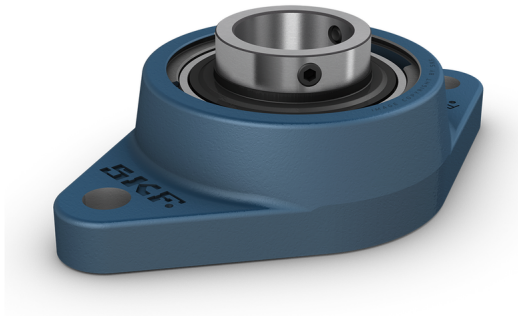


## FYTJ 40 TF

## Oval flanged ball bearing units

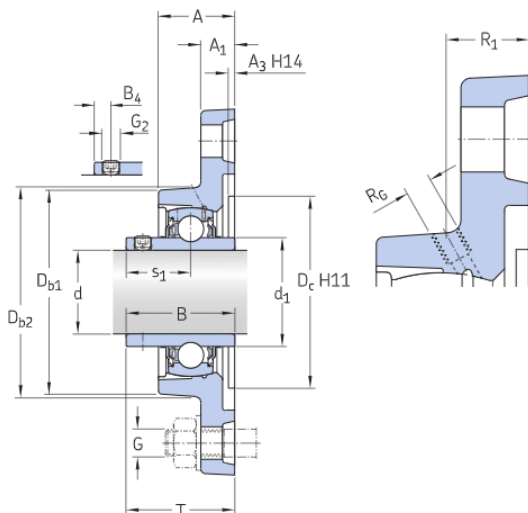


The values depend on the included bearing:

table 1, table 2, table 3,  
table 4

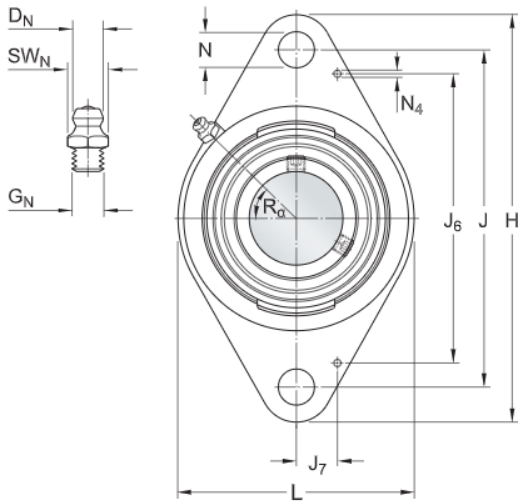
## Technical specification

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



## DIMENSIONS

d	40 mm	Bore diameter
d <sub>1</sub>	≈ 51.8 mm	Outer diameter inner ring
A	36 mm	Overall width
A <sub>1</sub>	16 mm	Flange width
A <sub>3</sub>	3.2 mm	Depth of centring recess
B	49.2 mm	Width of inner ring
B <sub>4</sub>	8 mm	Distance from locking device side face to thread centre
D <sub>b1</sub>	97 mm	Top external diameter
D <sub>b2</sub>	100 mm	Base external diameter
D <sub>c</sub>	88.9 mm	Diameter of housing centering recess
H	175 mm	Overall height
J	144 mm	Distance between attachment bolts



L	100 mm	Overall length
N	16 mm	Diameter of attachment bolt hole
s1	30.2 mm	Distance from locking device side face to raceway centre
T	51.2 mm	Overall unit width

#### THREADED HOLE

R <sub>C</sub>	1/4-28 UNF	Housing thread for grease fitting
R <sub>1</sub>	21.5 mm	Axial position of the housing thread
R <sub>0</sub>	45 °	Angular position of the housing thread

#### GREASE FITTING

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

#### DOWEL PINS

J <sub>6</sub>	116 mm	Distance of dowel pins
J <sub>7</sub>	16 mm	Axial offset of dowel pins
N <sub>4</sub>	2 mm	Recommended diameter for dowel pins

#### CALCULATION DATA

Basic dynamic load rating	C	30.7 kN
Basic static load rating	C <sub>0</sub>	19 kN
Fatigue load limit	P <sub>u</sub>	0.8 kN
Limiting speed		4 800 r/min
with shaft tolerance h6		

#### MASS

Mass bearing unit	1.55 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	M8x1
Hexagonal key size for set screw		4 mm
Recommended tightening torque for set screw		6.5 Nm
Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.563 in

## INCLUDED PRODUCTS

Housing	FYTJ 508
Bearing	YAR 208-2F

## More information

Product details	Engineering information	Tools
<a href="#">Flanged units to ISO standards</a>	<a href="#">Principles of ball bearing units selection and application - Download catalogue (4.9 MB)</a>	<a href="#">Bearing Select</a>
<a href="#">Flanged units to North American standards</a>	<a href="#">Principles of selecting mounted bearing solutions</a>	<a href="#">Engineering Calculator</a>
<a href="#">Flanged units to Japanese Industrial Standards (JIS)</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
<a href="#">Flanged units, not standardized (SKF Food Line)</a>		
<a href="#">Permissible misalignment</a>		
<a href="#">Locating/non-locating support flanged</a>		
<a href="#">Loads</a>		
<a href="#">Temperature limits</a>		
<a href="#">Permissible speed</a>		
<a href="#">Lubrication</a>		
<a href="#">Mounting and dismounting</a>		
<a href="#">Ordering information</a>		
<a href="#">Designation system</a>		

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