

## FYJ 40 KF

### Square flanged ball bearing units

The values depend on the included bearing:

table 1, table 2, table 3,  
table 4

### Technical specification

Order adapter sleeve separately

Compliance with standard

JIS

Purpose specific

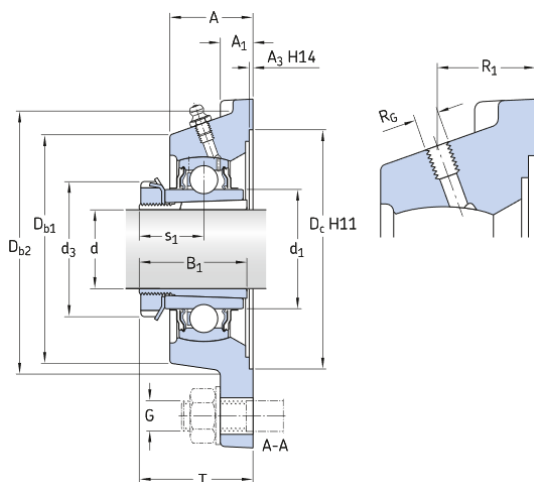
For material handling applications

Housing material

Cast iron

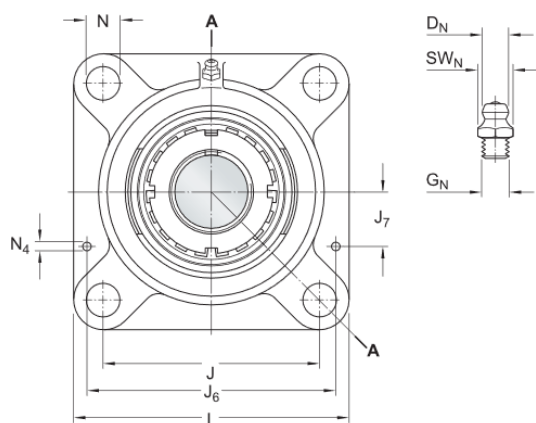
Sealing solution

Standard seals with additional flingers



### DIMENSIONS

d	35 mm	Bore diameter
d <sub>1</sub>	≈ 51.8 mm	Outer diameter inner ring
d <sub>3</sub>	58 mm	Outside diameter lock nut
A	36 mm	Overall width
A <sub>1</sub>	14 mm	Flange width
A <sub>3</sub>	3.2 mm	Depth of centring recess
B <sub>1</sub>	46 mm	Width of sleeve
D <sub>b1</sub>	99 mm	Top external diameter
D <sub>b2</sub>	107 mm	Base external diameter
D <sub>c</sub>	115.9 mm	Diameter of housing centering recess
J	102 mm	Distance between attachment bolts
L	130 mm	Overall length



N	16 mm	Diameter of attachment bolt hole
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s1	≈27.5 mm	Distance from lock nut side to raceway centre
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T	38 mm	Overall unit width
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Value specified for s1 is approximate and before the sleeve is driven into the bearing bore (sleeve and inner ring bore at starting position).

#### GREASE FITTING

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

R <sub>G</sub>	1/4-28 UNF	Housing thread for grease fitting
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R <sub>1</sub>	23 mm	Axial position of the housing thread
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#### DOWEL PINS

J <sub>6</sub>	118 mm	Distance of dowel pins
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J <sub>7</sub>	34 mm	Axial offset of dowel pins
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N <sub>4</sub>	4 mm	Recommended diameter for dowel pins
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#### 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

#### MASS

Mass bearing unit	1.65 kg
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## MOUNTING INFORMATION

Associated spanner		HN 8-9
Recommended lock nut tightening angle	$\alpha$	105°
Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.563 in

## INCLUDED PRODUCTS

Housing	FYJ 508
Bearing	YSA 208-2FK

## ASSOCIATED PRODUCTS

Adapter sleeve	H 2308
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## 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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