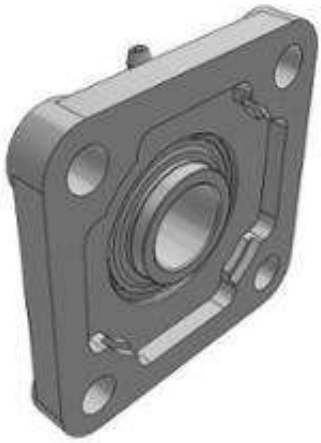
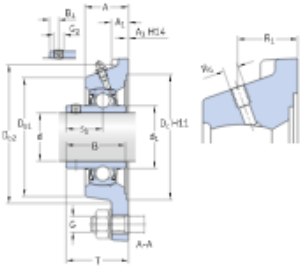


FYJ 25 TF

Square flanged ball bearing units

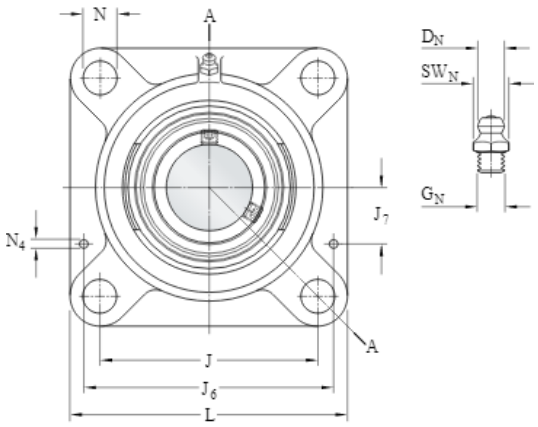
Technical specification

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



DIMENSIONS

d	25 mm
d_1	≈ 33.74 mm
A	27 mm
A_1	12 mm
A_3	3.2 mm
B	34.1 mm
B_4	5 mm
D_{b1}	66 mm
D_{b2}	72 mm
D_c	74.6 mm
J	70 mm
L	95 mm
N	12 mm



s_1	19.8 mm
T	35.8 mm

GREASE FITTING

D_N	6.5 mm
SW_N	7 mm
G_N	1/4-28 SAE-LT

THREADED HOLE

R_G	1/4-28 UNF
R_1	18.5 mm

DOWEL PINS

J_6	83 mm
J_7	19 mm
N_4	4 mm

CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C_0	7.8 kN
Fatigue load limit	P_u	0.335 kN
Limiting speed		7000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.68 kg

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	FYJ 505
Bearing	YAR 205-2F

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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