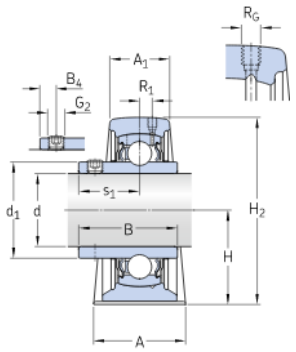


SYJ 75 TF

Pillow block ball bearing units

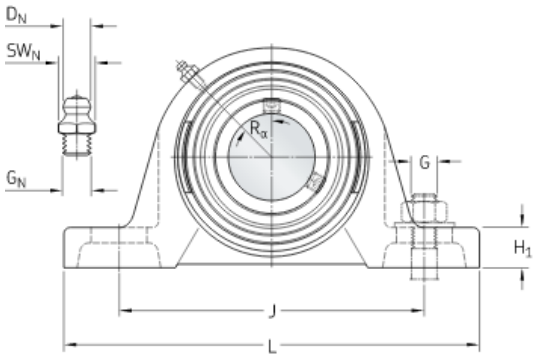
Technical specification

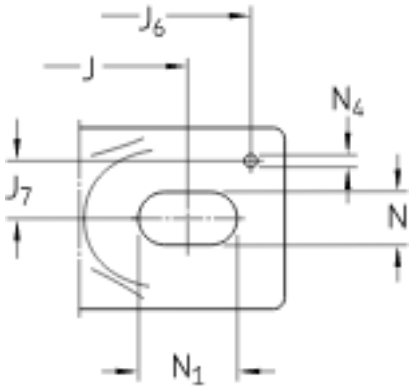
Compliance with standard	JIS
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



DIMENSIONS

d	75 mm
d_1	≈ 92.05 mm
A	74 mm
A_1	54 mm
B	73.3 mm
B_4	12 mm
H	82.5 mm
H_1	28 mm
H_2	165.5 mm
J	217 mm
J	max. 222 mm
J	min. 212 mm
L	275 mm





N	25 mm
N_1	30 mm
s_1	46.3 mm

THREADED HOLE

R_G	1/4-28 UNF
R_1	6.5 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	255 mm
J_7	27 mm
N_4	4 mm

CALCULATION DATA

Basic dynamic load rating	C	66.3 kN
Basic static load rating	C_0	49 kN
Fatigue load limit	P_u	2.04 kN
Limiting speed		2600 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	7.4 kg

MOUNTING INFORMATION

Set screw	G_2	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 N·m
Recommended diameter for attachment bolts, mm	G	20 mm
Recommended diameter for attachment bolts, inch	G	0.75 in

INCLUDED PRODUCTS

Housing	SYJ 515
Bearing	YAR 215-2F

More information

Product details

- Pillow block units to ISO standards
- Pillow block units to North American standards
- Pillow block units to Japanese Industrial Standards (JIS)
- Pillow block units, not standardized (incl. 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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