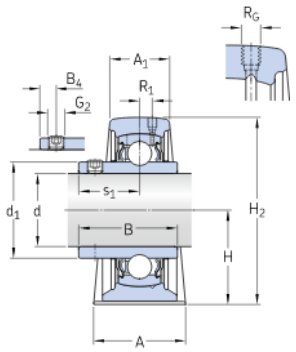


SYJ 60 TF

Pillow block ball bearing units

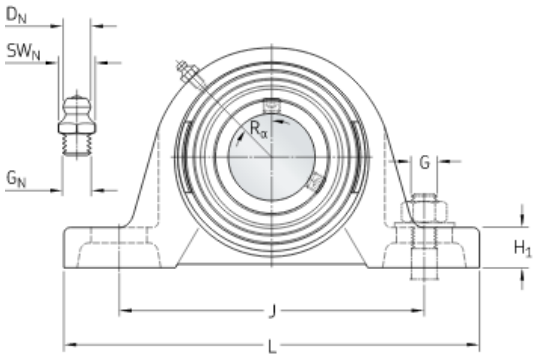
Technical specification

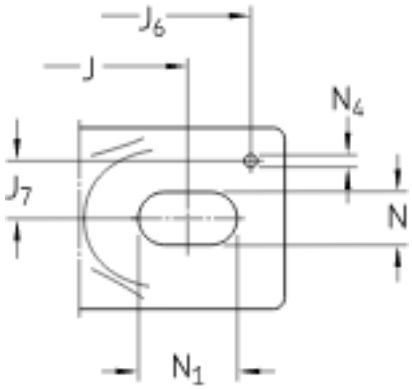
Compliance with standard	JIS
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



DIMENSIONS

d	60 mm
d_1	≈ 75.64 mm
A	65 mm
A_1	47 mm
B	65.1 mm
B_4	10 mm
H	69.8 mm
H_1	26.5 mm
H_2	137.5 mm
J	188.5 mm
J	max. 198 mm
J	min. 179 mm
L	241 mm





N	20 mm
N_1	29.5 mm
s_1	39.7 mm

THREADED HOLE

R_G	1/4-28 UNF
R_1	5.5 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	223 mm
J_7	23.5 mm
N_4	4 mm

CALCULATION DATA

Basic dynamic load rating	C	52.7 kN
Basic static load rating	C_0	36 kN
Fatigue load limit	P_u	1.53 kN
Limiting speed		3400 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	4.45 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	16 mm
Recommended diameter for attachment bolts, inch	G	0.625 in

INCLUDED PRODUCTS

Housing	SYJ 512
Bearing	YAR 212-2F

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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