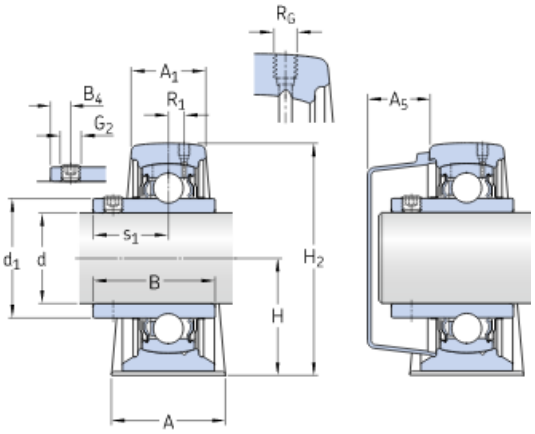
SY 2.1/2 TF

Pillow block ball bearing units

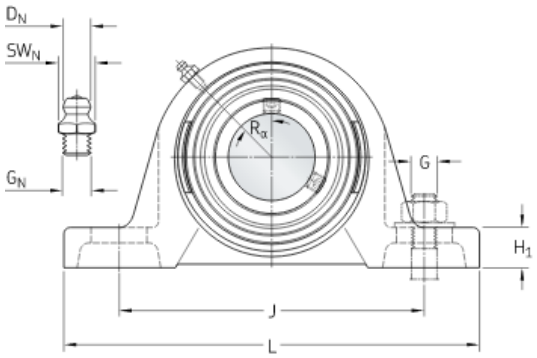
Technical specification

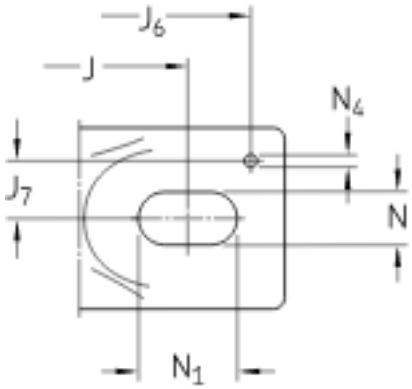
Compliance with standard	ISO
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



DIMENSIONS

d	63.5 mm
d_1	≈ 82.5 mm
A	65 mm
A_1	44 mm
A_5	39 mm
B	68.3 mm
B_4	10 mm
H	76.2 mm
H_1	29 mm
H_2	150 mm
J	203 mm
J	max. 216 mm
J	min. 190 mm





L	258 mm
N	22 mm
N_1	35 mm
s_1	42.9 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	238 mm
J_7	22.5 mm
N_4	4 mm

CALCULATION DATA

Basic dynamic load rating	C	57.2 kN
Basic static load rating	C_0	40 kN
Fatigue load limit	P_u	1.7 kN
Limiting speed		3000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	5.55 kg

MOUNTING INFORMATION

Set screw	G_2	3/8-24 UNF
Hexagonal key size for set screw	N	4.763 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	SY 513 M
Bearing	YAR 213-208-2F

ASSOCIATED PRODUCTS

End cover	ECY 213

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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