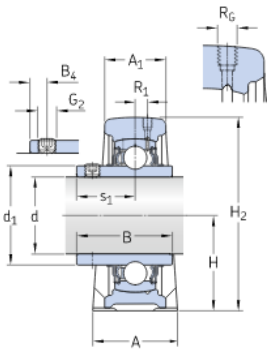


SYF 45 TF

Short base pillow block ball bearing units

Technical specification

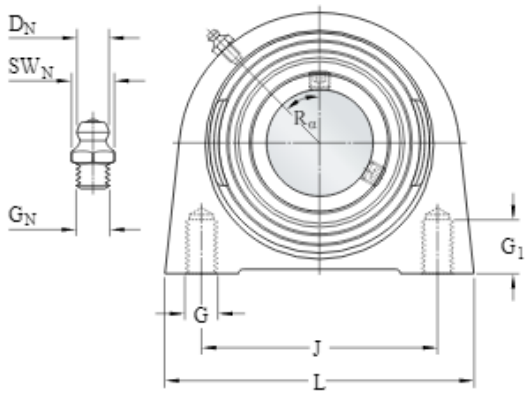
Compliance with standard	Not standardized
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



DIMENSIONS

d	45 mm
d_1	≈ 56.8 mm
A	48 mm
A_1	32 mm
B	49.2 mm
B_4	8 mm
H	54 mm
H_2	107.5 mm
J	95.3 mm
L	120 mm
s_1	30.2 mm

THREADED HOLE



R_G	1/4-28 UNF
R_1	4 mm
R_α	45 °

GREASE FITTING

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

CALCULATION DATA

Basic dynamic load rating	C	33.2 kN
Basic static load rating	C_0	21.6 kN
Fatigue load limit	P_u	0.915 kN
Limiting speed		4300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	1.85 kg

MOUNTING INFORMATION

Thread for attachment bolts	G	M12
Thread length	G_1	22 mm
Set screw	G_2	M8x1
Hexagonal key size for set screw	N	4 mm
Recommended tightening torque for set screw		6.5 N·m

INCLUDED PRODUCTS

Housing	SYF 509
Bearing	YAR 209-2F

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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