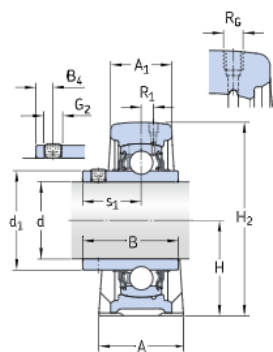


SYF 50 TF

Short base pillow block ball bearing units

Technical specification

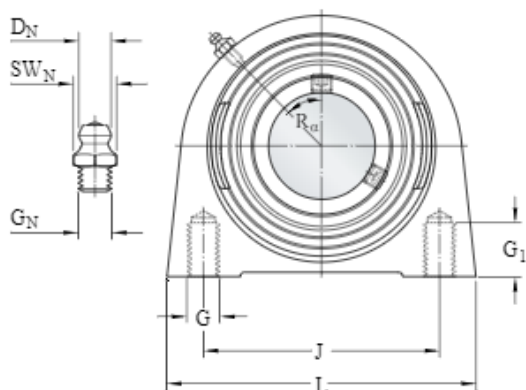
Compliance with standard	Not standardized
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



DIMENSIONS

d	50 mm
d ₁	≈ 62.51 mm
A	54 mm
A ₁	34 mm
B	51.6 mm
B ₄	9 mm
H	57.2 mm
H ₂	114 mm
J	101.6 mm
L	135 mm
s ₁	32.6 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	35.1 kN
Basic static load rating	C_0	23.2 kN
Fatigue load limit	P_u	0.98 kN
Limiting speed		4 000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	2.35 kg
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MOUNTING INFORMATION

Thread for attachment bolts	G	M16
Thread length	G_1	25.5 mm
Set screw	G_2	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 N·m

INCLUDED PRODUCTS

Housing	SYF 510
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Bearing

YAR 210-2F

More information

Product details	Engineering information	Tools
Pillow block units to ISO standards	Principles of ball bearing units selection and application - Download catalogue (4.9 MB)	Bearing Select
Pillow block units to North American standards	Principles of selecting mounted bearing solutions	Engineering Calculator
Pillow block units to Japanese Industrial Standards (JIS)	Bearing failure and how to prevent it	Rolling bearings mounting and dismounting instructions
Pillow block units, not standardized (incl. SKF Food Line)		
Ball bearing unit data		
Loads		
Temperature limits		
Permissible speed		
Lubrication		
Mounting and dismounting		
Designation system		

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