

SYK 25 TF

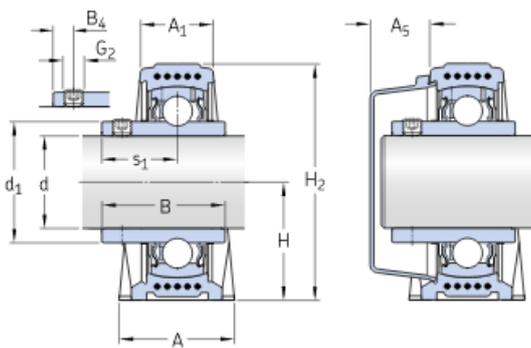
Pillow block ball bearing units



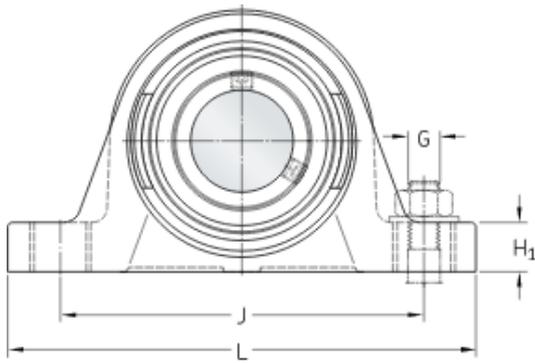
Technical specification

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

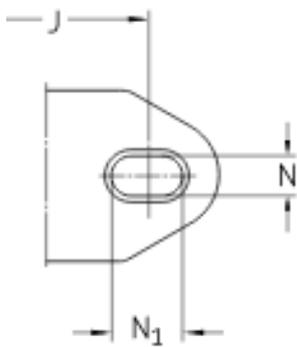
DIMENSIONS



d	25 mm
d ₁	≈ 33.74 mm
A	32 mm
A ₁	22 mm
A ₅	20 mm
B	34.1 mm
B ₄	5 mm
H	36.5 mm
H ₁	16 mm
H ₂	71 mm
J	105.5 mm
J	max. 111 mm
J	min. 100 mm



L	134 mm
N	12 mm
N ₁	17.5 mm
s ₁	19.8 mm



CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C ₀	7.8 kN
Fatigue load limit	P _u	0.335 kN
Limiting speed		7000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.31 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6x0.75
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Hexagonal key size for set screw	N	3 mm
Recommended tightening torque for set screw		4 N·m
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	SYK 505
Bearing	YAR 205-2F

ASSOCIATED PRODUCTS

End cover	ECY 205
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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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