

# SYK 30 TF



## Pillow block ball bearing unit with extended inner ring and set screw locking, composite, ISO standards

Pillow (plummer) block ball bearing units consist of an insert bearing mounted in a composite housing that is lightweight but robust and has excellent corrosion resistance. This variant is suitable for applications with both constant and alternating directions of rotation. It has an inner ring extended on both sides and is locked onto the shaft by tightening a set screw on the inner ring, making it easy to mount.

- Designed for a constant and alternating rotation
- Excellent corrosion resistance
- Lightweight
- Recyclable

## Overview

### Dimensions

Bearing width, total	1.5 in
Centre distance between bolt holes	4.764 in
Centre height (pillow block)	1.689 in
Housing overall width	1.575 in
Shaft diameter	1.181 in

### Performance

Basic dynamic load rating	4 384 lbf
Basic static load rating	2 518 lbf
Limiting speed	6 300 r/min
Note	Limiting speed with shaft tolerance h6

### Properties

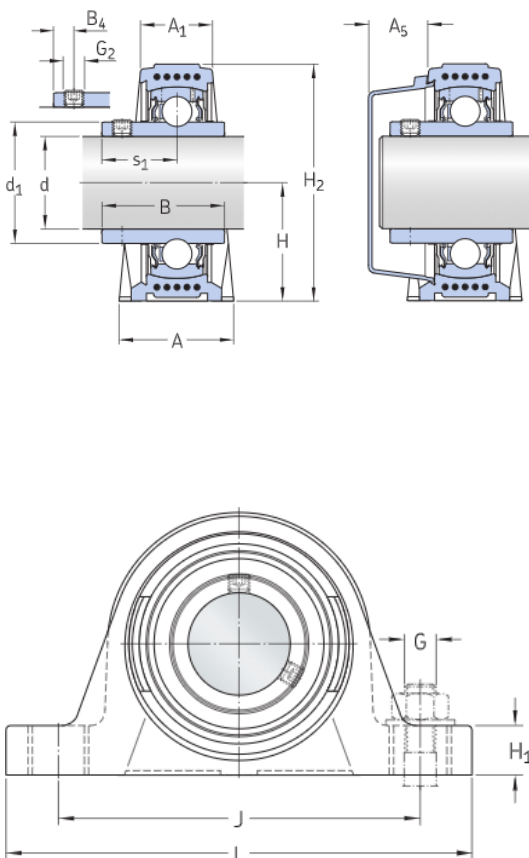
Bore type	Cylindrical
Coating	Without
Fastening bolt hole type	Plain
Grease fitting	Without
Housing type	Pillow block
Lubricant	Grease
Material, bearing	Bearing steel
Material, housing	Composite
Number of bolt holes for fasteners	2
Relubrication hole	Without
Retaining feature, inner ring	Set screws

Rubber seating ring	Without
Sealing type	Contact, standard
Sealing, bearing	Seal and flinger on both sides
Sealing, unit	Optional end cover

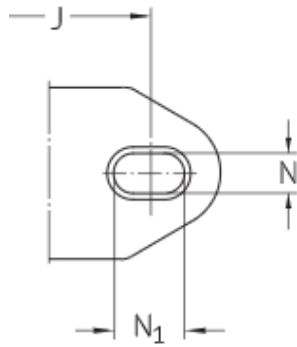
# Technical Specification

Compliance with standard	ISO
Purpose specific	For agricultural applications
Material, housing	Composite
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, standard
Sealing, unit	Optional end cover
Coating	Without

## Dimensions



d	1.181 in	Bore diameter
d <sub>1</sub>	≈ 1.563 in	Shoulder diameter of inner ring
A	1.575 in	Base width
A <sub>1</sub>	0.984 in	Top width
A <sub>5</sub>	0.866 in	Width including end cover
B	1.5 in	Width of inner ring
B <sub>4</sub>	0.197 in	Distance from locking device side face to thread centre
H	1.689 in	Height of spherical seat centre
H <sub>1</sub>	0.748 in	Foot height
H <sub>2</sub>	3.248 in	Overall height
J	4.764 in	Distance between attachment bolts
J	max. 5.039 in	Distance between attachment bolts
J	min. 4.488 in	Distance between attachment bolts
L	6.26 in	Overall length
N	0.571 in	Diameter of attachment bolt hole
N <sub>1</sub>	0.846 in	Length of attachment bolt hole
s <sub>1</sub>	0.874 in	Distance from locking device side face to raceway centre



### Calculation data

Basic dynamic load rating	C	4 384 lbf
Basic static load rating	$C_0$	2 518 lbf
Fatigue load limit	$P_u$	107 lbf
Limiting speed		6 300 r/min
		Limiting speed with shaft tolerance h6

### Mass

Mass bearing unit	1.08 lb
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### Mounting information

Set screw	$G_2$	M6x0.75
Hexagonal key size for set screw		0.118 in
Recommended tightening torque for set screw		35.403 lbf-in
Recommended diameter for attachment bolts, mm	G	11.989 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

### Included products

Housing	SYK 506
Bearing	YAR 206-2F

## Associated products

End cover

ECY 206

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