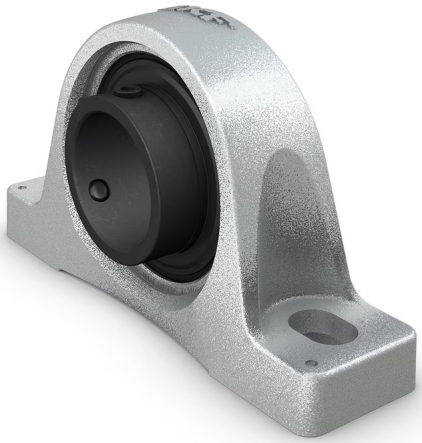


SY 1.7/16 TF/VA228Pillow block ball bearing unit with extended inner ring and set screw locking, high temperature, cast iron, ISO standards

Pillow block ball bearing unit with extended inner ring and set screw locking, high temperature, cast iron, ISO standards

Pillow (plummer) block ball bearing units consist of an insert bearing mounted in a cast iron housing that can be bolted to a support surface. This variant is suitable for high temperature applications, and for 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.

- Strong
- For high temperature applications
- Designed for a constant and alternating rotation
- Ready to mount
- Lubricated and sealed bearing
- Quick locking onto the shaft

Overview

Dimensions

Shaft diameter	36.512 mm
Centre height (pillow block)	47.6 mm
Housing overall width	45 mm
Centre distance between bolt holes	126 mm
Bearing width, total	42.9 mm

Performance

Basic dynamic load rating	25.5 kN
Basic static load rating	15.3 kN
Limiting speed	160 r/min
Maximum operating temperature	350 °C

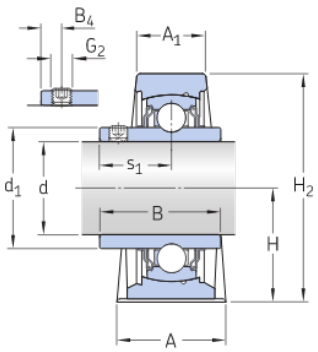
Properties

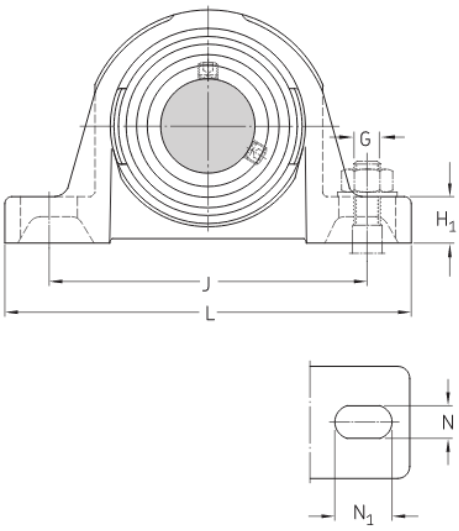
Housing type	Pillow block
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain

Retaining feature, inner ring	Set screws
Bore type	Cylindrical
Rubber seating ring	Without
Material, housing	Cast iron
Material, bearing	High temperature steel
Coating	Zinc-coated housing and manganese phosphate coated bearing
Sealing, bearing	Shield and flinger on both sides
Sealing type	Non-contact
Sealing, unit	Without
Lubricant	Solid lubricant
Relubrication hole	Without
Grease fitting	Without

Technical Specification

Running in required	No





Dimensions

d	36.512 mm	Shaft diameter
d_1	≈ 46.1 mm	Shoulder diameter inner ring
A	45 mm	Base width
A_1	27 mm	Top width
B	42.9 mm	Width inner ring
B_4	6 mm	Distance from locking device side face to thread centre
H	47.6 mm	Spherical seat centre height
H_1	19 mm	Step height
H_2	93 mm	Overall height
J	126 mm	Distance between attachment bolts
J	min. 119 mm	Minimum distance between attachment bolts
J	max. 133 mm	Maximum distance between attachment bolts
L	160 mm	Overall width
N	14 mm	Width of attachment bolt hole
N_1	21 mm	Length of attachment bolt hole
s_1	25.4 mm	Distance from locking device side face to raceway centre

Calculation data

Basic dynamic load rating	C	25.5 kN
Basic static load rating	C_0	15.3 kN

Limiting speed		160 r/min
Operating temperature	T	max. 350 °C

Mass

Mass bearing unit	1.45 kg

Mounting information

Set screw	G_2	5/16-24 UNF
Hexagonal key size for set screw		3.969 mm
Recommended tightening torque for set screw		6.5 N·m
Attachment bolts, recommended metric size	G	12 mm
Attachment bolts, recommended inch size	G	0.5 in

Included products

Bearing	YAR 207-107-2F/VA228

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