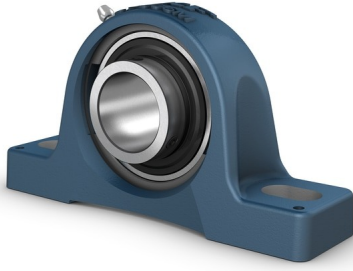


SY 2.15/16 UTFPillow block ball bearing unit with extended inner ring and set screw locking, cast iron,



ISO standards

Pillow block ball bearing unit with extended inner ring and set screw locking, 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 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.

- Strong
- Ready to mount
- Lubricated and sealed bearing
- Quick locking onto the shaft
- Cost-effective

Overview

Dimensions

Shaft diameter	74.613 mm
Centre height (pillow block)	82.6 mm
Housing overall width	72 mm
Centre distance between bolt holes	216 mm
Bearing width, total	73.3 mm

Performance

Basic dynamic load rating	66.3 kN
Basic static load rating	49 kN
Limiting speed	2 600 r/min
Note	Limiting speed with shaft tolerance h6

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	Bearing steel
Coating	Without
Sealing, bearing	Seal and flinger on both sides
Sealing type	Contact, standard
Sealing, unit	Without
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

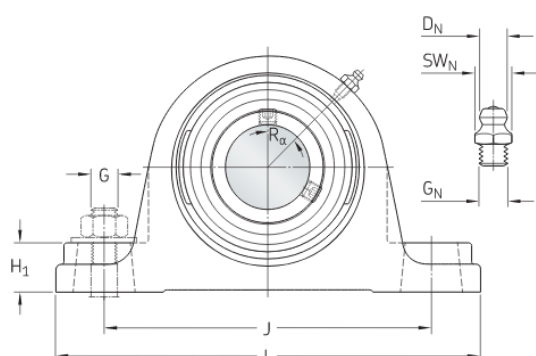
Technical Specification

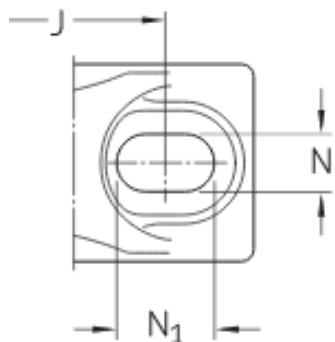
Compliance with standard	ISO with centre height deviation
Purpose specific	For material handling applications
Material, housing	Cast iron
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, standard
Sealing, unit	Without
Coating	Without



Dimensions

d	74.613 mm	Bore diameter
d ₁	≈ 92.05 mm	Shoulder diameter of inner ring
A	72 mm	Base width
A ₁	48 mm	Top width
B	73.3 mm	Width of inner ring
B ₄	12 mm	Distance from locking device side face to thread centre
H	82.6 mm	Height of spherical seat centre
H ₁	33 mm	Foot height
H ₂	166 mm	Overall height
J	216 mm	Distance between attachment bolts
J	max. 229 mm	Distance between attachment bolts
J	min. 203 mm	Distance between attachment bolts
L	279 mm	Overall length
N	22 mm	Diameter of attachment bolt hole
N ₁	35 mm	Length of attachment bolt hole
s ₁	46.3	Distance from locking device side face





mm

to raceway centre

Threaded hole

R_G	1/8-27 NPT	Housing thread for the grease fitting
R_1	5.5 mm	Axial position of the housing thread
R_a	45 °	Angular position of the housing thread

Grease fitting

D_N	6.579 mm	Diameter of head sphere of grease fitting
SW	11.113 mm	Hexagonal key size for the grease fitting
G_N	1/8-27 NPT	Thread of grease fitting

Calculation data

Basic dynamic load rating	C	66.3 kN
Basic static load rating	C_0	49 kN
Fatigue load limit	P_u	2.04 kN
Limiting speed		2 600 r/min
		Limiting speed with shaft tolerance h6

Mass

Mass bearing unit	7.05 kg
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Mounting information

Set screw	G_2	7/16-20 UNF
Hexagonal key size for set screw		5.556 mm
Recommended tightening torque for set screw		28.5 N·m
Recommended diameter for attachment bolts, mm	G	20 mm

Recommended diameter for attachment bolts, inch

G

0.75 in

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