



SKF SYWK 20 YTH

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

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.

Technical specifications

General	
Compliance with standard	ISO with boundary dimension deviations
Purpose specific	For food and beverage applications
Material, housing	Composite for the SKF Food Line
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, multiple
Sealing, unit	Optional end cover
Coating	Without

Dimensions	
Bore diameter	20 mm
Shoulder diameter of inner ring	28.2 mm
Base width	32 mm
Top width	21 mm
Width including end cover	26 mm
Width of inner ring	31 mm
Overall bearing width	31 mm
Distance from locking device side face to thread centre	4.5 mm
Height of spherical seat centre	33.3 mm
Foot height	16 mm
Overall height	64 mm
Distance between attachment bolts	96.5 mm
Maximum distance between attachment bolts	102 mm
Minimum distance between attachment bolts	91 mm
Overall length	126 mm
Diameter of attachment bolt hole	12 mm
Length of attachment bolt hole	17.5 mm
Distance from locking device side face to raceway centre	18.3 mm
Attachment bolt diameter	10 mm
Shaft diameter	20 mm
Centre height (pillow block)	33.3 mm
Housing overall width	32 mm
Centre distance between bolt holes	96.5 mm
Bearing width, total	31 mm

Calculation data	
Basic dynamic load rating	10.8 kN
Basic static load rating	6.55 kN
Fatigue load limit	0.28 kN
Limiting speed	5000 r/min
	Limiting speed with shaft tolerance h6

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

Performance	
Basic dynamic load rating	10.8 kN
Basic static load rating	6.55 kN
Limiting speed	5000 r/min
Note	Limiting speed with shaft tolerance h6

Properties	
Housing type	Pillow block, normal base
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	Composite for the SKF Food Line
Material, bearing	Stainless steel
Coating	Without
Sealing, bearing	Seal and flinger on both sides
Sealing type	Contact, multiple
Sealing, unit	Optional end cover
Lubricant	Grease
Relubrication hole	Without
Grease fitting	Without

Logistics	
Product net weight	0.255 kg

SKF drawings



