



SKF SYWK 25 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	25 mm
Shoulder diameter of inner ring	33.74 mm
Base width	32 mm
Top width	22 mm
Width including end cover	26 mm
Width of inner ring	34.1 mm
Overall bearing width	34.1 mm
Distance from locking device side face to thread centre	5 mm
Height of spherical seat centre	36.5 mm
Foot height	16 mm
Overall height	70.5 mm
Distance between attachment bolts	105.5 mm
Maximum distance between attachment bolts	111 mm
Minimum distance between attachment bolts	100 mm
Overall length	134 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	19.8 mm
Attachment bolt diameter	10 mm
Shaft diameter	25 mm
Centre height (pillow block)	36.5 mm
Housing overall width	32 mm
Centre distance between bolt holes	105.5 mm
Bearing width, total	34.1 mm

Calculation data	
Basic dynamic load rating	11.9 kN
Basic static load rating	7.8 kN
Fatigue load limit	0.335 kN
Limiting speed	4300 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	11.9 kN
Basic static load rating	7.8 kN
Limiting speed	4300 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	0.308 kg

SKF drawings



