

SKF SYK 30 TR



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

Dimensions	
Bore diameter	30 mm
Shoulder diameter of inner ring	39.7 mm
Base width	40 mm
Top width	25 mm
Width including end cover	22 mm
Width of inner ring	38.1 mm
Overall bearing width	38.1 mm
Distance from locking device side face to thread centre	5 mm
Height of spherical seat centre	42.9 mm
Foot height	19 mm
Overall height	82.5 mm
Distance between attachment bolts	121 mm
Maximum distance between attachment bolts	128 mm
Minimum distance between attachment bolts	114 mm
Overall length	159 mm
Diameter of attachment bolt hole	14.5 mm
Length of attachment bolt hole	21.5 mm
Distance from locking device side face to raceway centre	22.2 mm
Attachment bolt diameter	12 mm
Shaft diameter	30 mm
Centre height (pillow block)	42.9 mm
Housing overall width	40 mm
Centre distance between bolt holes	121 mm
Bearing width, total	38.1 mm

Calculation data	
Basic dynamic load rating	19.5 kN
Basic static load rating	11.2 kN
Fatigue load limit	0.475 kN
Limiting speed	3800 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	12 mm
Recommended diameter for attachment bolts, inch	0.5 in

Performance	
Basic dynamic load rating	19.5 kN
Basic static load rating	11.2 kN
Limiting speed	3800 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
Material, bearing	Bearing 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	0.477 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings



