



SKF SY 55 TF/VA228

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

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.

Technical specifications

General	
Running in required	No

Dimensions	
Shaft diameter	55 mm
Shoulder diameter inner ring	69.06 mm
Base width	60 mm
Top width	40 mm
Width inner ring	55.6 mm
Distance from locking device side face to thread centre	9 mm
Spherical seat centre height	63.5 mm
Step height	24 mm
Overall height	126 mm
Distance between attachment bolts	171.5 mm
Minimum distance between attachment bolts	162 mm
Maximum distance between attachment bolts	181 mm
Overall width	219 mm
Width of attachment bolt hole	18 mm
Length of attachment bolt hole	27.5 mm
Distance from locking device side face to raceway centre	33.4 mm
Attachment bolt diameter	16 mm
Centre height (pillow block)	63.5 mm
Housing overall width	60 mm
Centre distance between bolt holes	171.5 mm
Bearing width, total	55.6 mm

Calculation data	
Basic dynamic load rating	43.6 kN
Basic static load rating	29 kN
Limiting speed	110 r/min
Operating temperature	350 °C

Mounting information	
Set screw	M10x1
Hexagonal key size for set screw	5 mm
Recommended tightening torque for set screw	16.5 N·m
Attachment bolts, recommended metric size	16 mm
Attachment bolts, recommended inch size	0.625 in

Performance	
Basic dynamic load rating	43.6 kN
Basic static load rating	29 kN
Limiting speed	110 r/min
Maximum operating temperature	350 °C

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	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

Logistics	
Product net weight	3.68 kg
eClass code	23-05-90-90
UNSPSC code	31171536

SKF drawings

