



SKF FYWK 40 YTH

Square flanged ball bearing unit with set screw locking and extended inner ring,

These square flanged ball bearing units are designed especially for the food and beverage industries. They are chemical resistant, lightweight and strong. The unit consists of an insert bearing, with an extended inner ring and set screw locking, and is suitable for applications where the direction of rotation is constant or alternating. The bearing is mounted in a composite housing, which can be bolted to a machine wall or frame. Ball bearing units can accommodate moderate initial misalignment, but normally do not permit axial displacement.

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	40 mm
Outer diameter of inner ring	51.8 mm
Width of housing	39 mm
Flange width	17 mm
Standout of end cover	33 mm
Width of inner ring	49.2 mm
Overall bearing width	49.2 mm
Distance from locking device side face to thread centre	10 mm
Top external diameter	98 mm
Centre distance between bolt holes	101.5 mm
Overall length	130 mm
Diameter of attachment bolt hole	14.8 mm
Distance from locking device side face to raceway centre	30.2 mm
Overall width	54.2 mm
Attachment bolt diameter	12 mm
Shaft diameter	40 mm
Housing overall width	39 mm
Bearing width, total	49.2 mm

Calculation data	
Basic dynamic load rating	24.7 kN
Basic static load rating	19 kN
Fatigue load limit	0.8 kN
Limiting speed	2800 r/min
	Limiting speed with shaft tolerance h6

Mounting information	
Set screw	M8x1
Hexagonal key size for set screw	4 mm
Recommended tightening torque for set screw	6.5 N·m
Recommended diameter for attachment bolts, mm	12 mm
Recommended diameter for attachment bolts, inch	0.5 in

Performance	
Basic dynamic load rating	24.7 kN
Basic static load rating	19 kN
Limiting speed	2800 r/min
Note	Limiting speed with shaft tolerance h6

Properties	
Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
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	0.937 kg

SKF drawings

