



SKF TUJ 60 TF

Take-up cast iron unit with insert ball bearing, set screw locking and extended inner ring

Take-up ball bearing units, consisting of an insert bearing based on a sealed deep groove ball bearing mounted in a grey cast iron housing. Typically mounted in take-up frames, the unit has an inner ring extended on both sides and is locked by tightening a (set) screw on the inner ring, which makes it easy to mount.

Technical specifications

General	
Compliance with standard	JIS
Purpose specific	For material handling applications
Material, housing	Cast iron
Sealing, bearing	Seal and flinger on both sides
Sealing type, bearing	Contact, standard
Sealing, unit	Without
Coating	Without

Dimensions	
Bore diameter	60 mm
Shoulder diameter of inner ring	75.64 mm
Overall width	60 mm
Width of piloting groove	22 mm
Width of flange in which piloting grooves are provided	44 mm
Width of inner ring	65.1 mm
Distance from locking device side face to thread centre	10 mm
Overall height	146 mm
Distance between bottoms of piloting grooves	130 mm
Height of attachment end	102 mm
Overall length	186 mm
Distance from attachment end face to centre line of spherical seat diameter	118 mm
Length attachment end	19 mm
Length of piloting groove	100 mm
Diameter of attachment bolt hole	35 mm
Length of attachment slot	32 mm
Height of attachment slot	63.5 mm
Distance from locking device side face to raceway centre	39.7 mm
Housing thread for the grease fitting	1/4-28 UNF
Axial position of the housing thread	5.5 mm
Angular position of the housing thread	30 °
Diameter of head sphere of grease fitting	6.5 mm
Hexagonal key size for the grease fitting	7 mm
Thread of grease fitting	1/4-28 SAE-LT
Shaft diameter	60 mm
Housing overall width	60 mm
Bearing width, total	65.1 mm

Calculation data	
Basic dynamic load rating	52.7 kN
Basic static load rating	36 kN
Fatigue load limit	1.53 kN
Limiting speed	3400 r/min
	Limiting speed with shaft tolerance h6

Mounting information	
Set screw	M10x1

Hexagonal key size for set screw	5 mm
Recommended tightening torque for set screw	16.5 N·m

Performance	
Basic dynamic load rating	52.7 kN
Basic static load rating	36 kN
Limiting speed	3400 r/min
Note	Limiting speed with shaft tolerance h6

Properties	
Housing type	Take-up
Retaining feature, inner ring	Set screws
Bore type	Cylindrical
Rubber seating ring	Without
Material, housing	Cast iron
Material, bearing	Bearing steel
Coating	Without
Sealing, bearing	Seal and flinger on both sides
Sealing type	Contact, standard
Sealing, unit	Without
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

Logistics	
Product net weight	4.44 kg
eClass code	23-05-16-02
UNSPSC code	31171536

SKF drawings