



SKF TU 30 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	ISO
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	Optional end cover
Coating	Without

Dimensions	
Bore diameter	30 mm
Shoulder diameter of inner ring	39.7 mm
Overall width	37 mm
Width of piloting groove	13.5 mm
Width of flange in which piloting grooves are provided	28 mm
Standout of end cover	21 mm
Width of inner ring	38.1 mm
Distance from locking device side face to thread centre	5 mm
Overall height	104 mm
Distance between bottoms of piloting grooves	89 mm
Height of attachment end	56 mm
Overall length	114 mm
Distance from attachment end face to centre line of spherical seat diameter	70 mm
Length attachment end	10 mm
Length of piloting groove	57 mm
Diameter of attachment bolt hole	22 mm
Length of attachment slot	16 mm
Height of attachment slot	37 mm
Distance from locking device side face to raceway centre	22.2 mm
Housing thread for the grease fitting	1/4-28 UNF
Axial position of the housing thread	3.5 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	30 mm
Housing overall width	37 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	6300 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

Performance	
Basic dynamic load rating	19.5 kN
Basic static load rating	11.2 kN
Limiting speed	6300 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	Optional end cover
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

Logistics	
Product net weight	1.22 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

