



SKF UCT 209/H

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 two set screws on the inner ring, which makes it easy to mount. Units with designation suffix /H feature a 120° angle of separation between the set screws that contributes to a higher stability and a better load balance.

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	Optional end cover
Coating	Without

Dimensions	
Bore diameter	45 mm
Shoulder diameter of inner ring	56.8 mm
Overall width	49 mm
Width of piloting groove	16 mm
Width of flange in which piloting grooves are provided	35 mm
Standout of end cover	26.5 mm
Width of inner ring	49.2 mm
Distance from locking device side face to thread centre	8 mm
Overall height	117 mm
Distance between bottoms of piloting grooves	102 mm
Height of attachment end	83 mm
Overall length	145 mm
Distance from attachment end face to centre line of spherical seat diameter	87 mm
Length attachment end	16 mm
Length of piloting groove	83 mm
Diameter of attachment bolt hole	29 mm
Length of attachment slot	21 mm
Height of attachment slot	51 mm
Distance from locking device side face to raceway centre	30.2 mm
Housing thread for the grease fitting	1/4-28 UNF
Axial position of the housing thread	4 mm
Angular position of the housing thread	30 °
Diameter of head sphere of grease fitting	6.6 mm
Hexagonal key size for the grease fitting	7.94 mm
Thread of grease fitting	1/4-28 UNF
Shaft diameter	45 mm
Housing overall width	49 mm
Bearing width, total	49.2 mm

Calculation data	
Basic dynamic load rating	33.2 kN
Basic static load rating	21.6 kN
Fatigue load limit	0.915 kN
Limiting speed	3400 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

Performance	
Basic dynamic load rating	33.2 kN
Basic static load rating	21.6 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	Optional end cover
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

Logistics	
Product net weight	2.35 kg

