

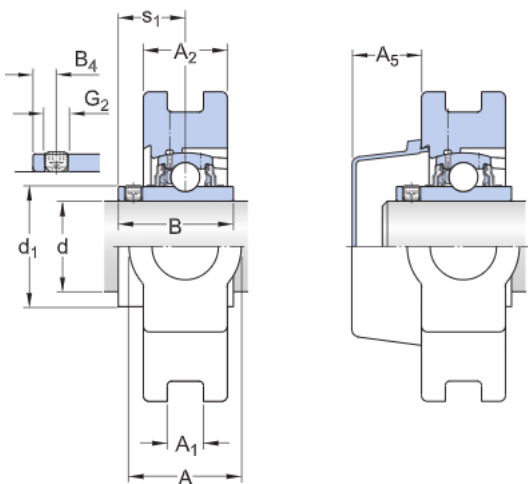
## UCT 205

### Take-up ball bearing units

The values depend on the included bearing:  
table 1, table 2, table 3,  
table 4

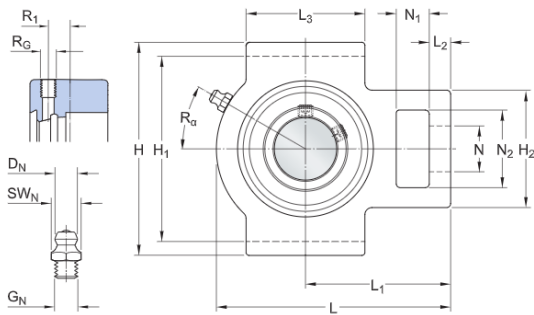
## Technical specification

Compliance with standard	JIS
Purpose specific	For material handling applications
Housing material	Cast iron
Sealing solution	Standard seals with additional flingers



### DIMENSIONS

d	25 mm	Bore diameter
d <sub>1</sub>	≈ 33.7 mm	Shoulder diameter inner ring
A	32 mm	Overall width
A <sub>1</sub>	12 mm	Width of piloting groove
A <sub>2</sub>	24 mm	Width of flange in which piloting grooves are provided
A <sub>5</sub>	20.5 mm	Standout of end cover
B	34 mm	Width of inner ring
B <sub>4</sub>	5.5 mm	Distance from locking device side face to thread centre
H	89 mm	Overall height
H <sub>1</sub>	76 mm	Distance between bottoms of piloting grooves
H <sub>2</sub>	51 mm	Height of attachment end



L	97 mm	Overall length
L1	62 mm	Distance from attachment end face to centre line of spherical seat diameter
L2	10 mm	Length attachment end
L3	51 mm	Length of piloting groove
N	19 mm	Diameter of attachment bolt hole
N <sub>1</sub>	16 mm	Length of attachment slot
N <sub>2</sub>	32 mm	Height of attachment slot
s1	19.7 mm	Distance from locking device side face to raceway centre

#### THREADED HOLE

R	1/4-28 UNF	Housing thread for the grease fitting
R	1.5 mm	Axial position of the housing thread
R	30 °	Angular position of the housing thread

#### GREASE FITTING

DN	6.6 mm	Diameter of head sphere of grease fitting
SW <sub>N</sub>	7.94 mm	Hexagonal key size for the grease fitting
G <sub>N</sub>	1/4-28 UNF	Thread of the grease fitting

#### CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C <sub>0</sub>	7.8 kN
Fatigue load limit	P <sub>u</sub>	0.335 kN
Limiting speed		5 850 r/min
with shaft tolerance h6		

#### MASS

Mass bearing unit	0.79 kg
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## MOUNTING INFORMATION

Set screw	G <sub>2</sub>	M6x1
Hexagonal key size for set screw		3.05 mm
Recommended tightening torque for set screw		4 Nm

## INCLUDED PRODUCTS

Housing		T 205/Y
Bearing		UC 205

## ASSOCIATED PRODUCTS

End cover		ECY 205
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## More information

Product details	Engineering information	Tools
<a href="#">Take-up units to ISO standards</a>	<a href="#">Principles of ball bearing units selection and application - Download catalogue (4.9 MB)</a>	<a href="#">Bearing Select</a>
<a href="#">Take-up units to North American standards</a>	<a href="#">Principles of selecting mounted bearing solutions</a>	<a href="#">Engineering Calculator</a>
<a href="#">Take-up units to Japanese Industrial Standards (JIS)</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
<a href="#">Take-up units, not standardized (SKF Food Line)</a>		
<a href="#">Permissible misalignment</a>		
<a href="#">Locating/non-locating support</a>		
<a href="#">Loads</a>		
<a href="#">Temperature limits</a>		
<a href="#">Permissible speed</a>		
<a href="#">Lubrication</a>		
<a href="#">Mounting and dismounting</a>		
<a href="#">Ordering information</a>		
<a href="#">Designation system</a>		

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