

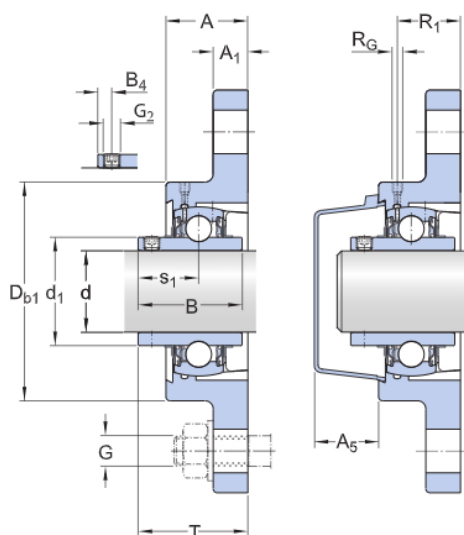
## UCFL 205

### Oval flanged ball bearing units

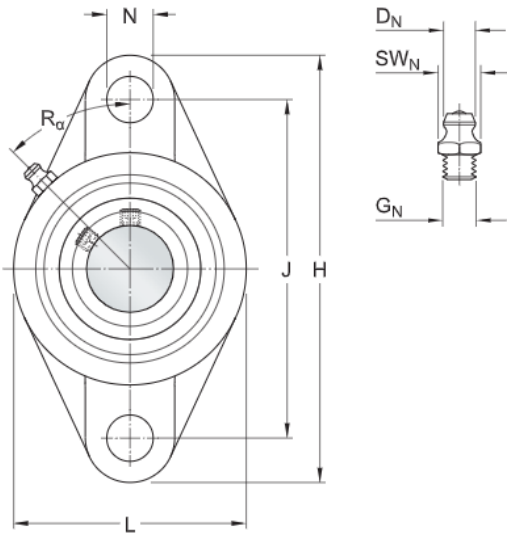
## Technical specification

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	Outer diameter inner ring
A	27 mm	Overall width
A <sub>1</sub>	13 mm	Flange width
A <sub>5</sub>	20.5 mm	Width including 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
D <sub>b1</sub>	68 mm	Top external diameter
H	130 mm	Overall height
J	99 mm	Distance between attachment bolts
L	68 mm	Overall length
N	16 mm	Diameter of attachment bolt hole



s1	19.7 mm	Distance from locking device side face to raceway centre
T	35.7 mm	Overall unit width

THREADED HOLE

R	1/4-28 UNF	Housing thread for grease fitting
R	17.5 mm	Axial position of the housing thread
R	45 °	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	0.61 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

Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.563 in

## INCLUDED PRODUCTS

Housing		FL 205/Y
Bearing		UC 205

## ASSOCIATED PRODUCTS

End cover		ECY 205
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## More information

Product details	Engineering information	Tools
<a href="#">Flanged 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="#">Flanged units to North American standards</a>	<a href="#">Principles of selecting mounted bearing solutions</a>	<a href="#">Engineering Calculator</a>
<a href="#">Flanged 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="#">Flanged units, not standardized (SKF Food Line)</a>		
<a href="#">Permissible misalignment</a>		
<a href="#">Locating/non-locating support flanged</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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