



Image may differ from product. See technical specification for details.

TU 505 M

Take-up cast iron housing for insert bearing, ISO

Take-up cast iron housings are non-split housings made of grey cast iron and are designed to provide a high degree of stiffness and accommodate heavy loads acting in different directions. These types of loads are typically encountered in conveyors, roller beds and crushers.

- Stiff housing
- Accommodate heavy radial loads in all directions
- Narrow width

Overview

Dimensions

Spherical seating diameter	52 mm
Housing overall width	34 mm

Properties

Housing type	Take-up
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

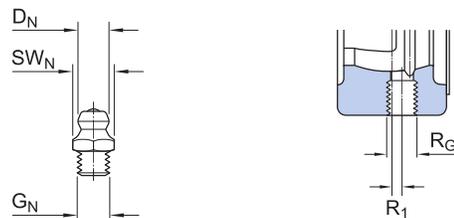
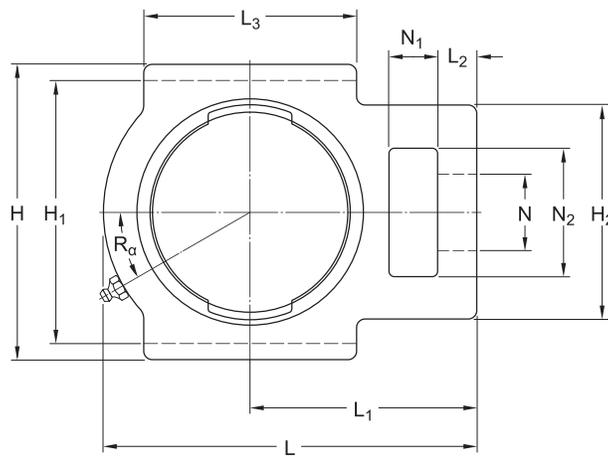
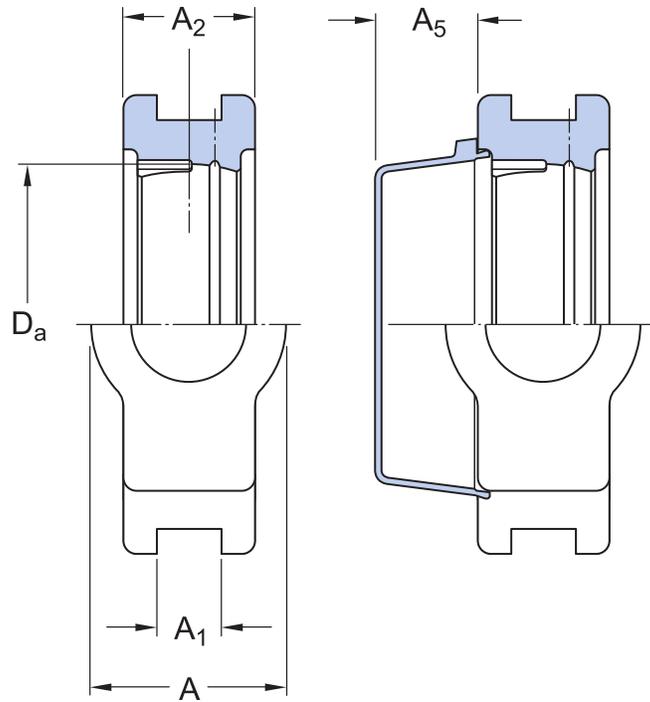
Logistics

Product net weight	0.677 kg
eClass code	23-05-08-02
UNSPSC code	31171536

Technical specification

Material

Cast iron



Dimensions

D_a	52 mm	Diameter of spherical seat
A	34 mm	Overall width
A_1	13.5 mm	Width of location slot
A_2	25 mm	Width of flange in which location slot is provided
A_5	19 mm	Standout of end cover
H	91 mm	Overall height
H_1	76 mm	Distance between bottoms of location slot
H_2	53 mm	Height of attachment end
L	100 mm	Overall length
L_1	64 mm	Distance from attachment end face to centre line of spherical seat diameter
L_2	10 mm	Length attachment end
L_3	52 mm	Length of locations slot
N	19 mm	Diameter of attachment bolt hole
N_1	16 mm	Length of attachment slot
N_2	33 mm	Height of attachment slot

GREASE FITTING

D_N	6.5 mm	Diameter of head sphere of grease fitting
SW_N	7 mm	Hexagonal key size for the grease fitting
G_N	1/4-28 SAE-LT	Thread of the grease fitting

THREADED HOLE

R_G	1/4-28 UNF	Housing thread for the grease fitting
R_1	2 mm	Axial position of the housing thread
R_a	30 °	Angular position of the housing thread

Associated products

End cover

ECY 205

Tolerances and clearances

The values depend on the included bearing:

- Bore diameter tolerance → [table 1](#)
- Radial internal clearance → [table 2](#)
- Recommended fit → [table 3](#)
- Shaft tolerance → [table 4](#)

Compatible products

Recommended product

End cover for bearing units

[ECY 205](#)

More Information

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



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