



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

TUJ 512

Take-up cast iron housing for insert bearing, JIS

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. Cast take-up housings are made of grey cast iron.

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

Overview

Dimensions

Spherical seating diameter	110 mm
Housing overall width	60 mm

Properties

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

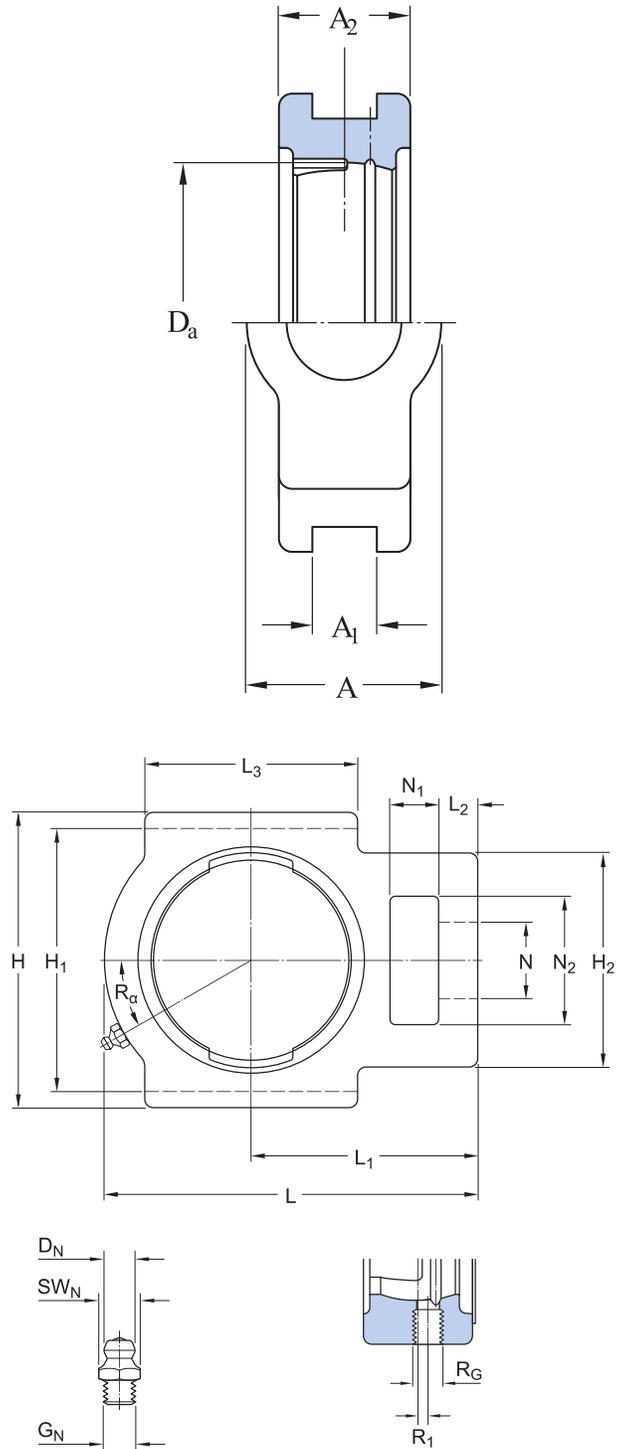
Logistics

Product net weight	3.03 kg
eClass code	23-05-16-02
UNSPSC code	31171536

Technical specification

Material

Cast iron



Dimensions

D_a	110 mm	Diameter of spherical seat
A	60 mm	Overall width
A_1	22 mm	Width of location slot
A_2	44 mm	Width of flange in which location slot is provided
H	146 mm	Overall height
H_1	130 mm	Distance between bottoms of location slot
H_2	102 mm	Height of attachment end
L	186 mm	Overall length
L_1	118 mm	Distance from attachment end face to centre line of spherical seat diameter
L_2	19 mm	Length attachment end
L_3	100 mm	Length of locations slot
N	35 mm	Diameter of attachment bolt hole
N_1	32 mm	Length of attachment slot
N_2	63.5 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	5.5 mm	Axial position of the housing thread
R_a	30 °	Angular position of the housing thread

Associated products

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](#)

More Information

Product details

[Take-up units to ISO standards](#)

[Take-up units to North American standards](#)

[Take-up units to Japanese Industrial Standards \(JIS\)](#)

[Take-up units, not standardized \(SKF Food Line\)](#)

[Permissible misalignment](#)

[Locating/non-locating support](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismantling](#)

[Ordering information](#)

[Designation system](#)

Engineering information

 [Principles of ball bearing units selection and application - Download catalogue \(4.9 MB\)](#)

[Principles of selecting mounted bearing solutions](#)

[Bearing failure and how to prevent it](#)

Tools

[SKF Product select](#)

[Bearing Frequency Calculator](#)



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