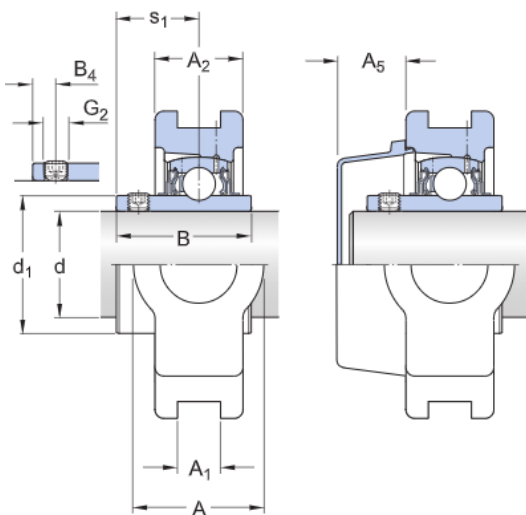


TU 35 TF

Take-up ball bearing units

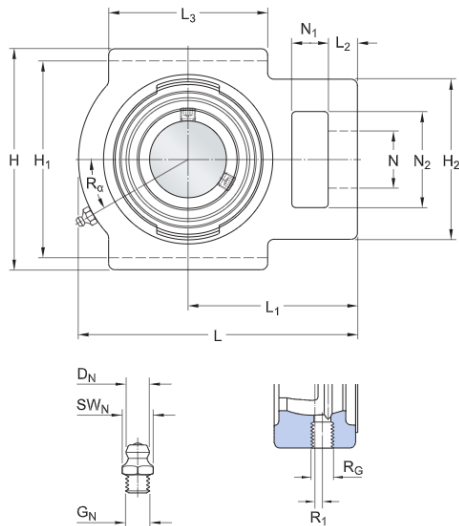
Technical specification

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



DIMENSIONS

d	35 mm	Bore diameter
d1	≈46.1 mm	Shoulder diameter inner ring
A	37 mm	Overall width
A ₁	13.5 mm	Width of location slot
A ₂	30 mm	Width of flange in which location slot is provided
A ₅	23 mm	Standout of end cover
B	42.9 mm	Width inner ring
B ₁	42.9 mm	Overall bearing width
B ₄	6 mm	Distance from locking device side face to thread centre
H	103 mm	Overall height
H ₁	89 mm	Distance between bottoms of location slot



H_2	64 mm	Height of attachment end
L	129 mm	Overall length
L_1	78 mm	Distance from attachment end face to centreline of spherical seat diameter
L_2	12 mm	Length attachment end
L_3	64 mm	Length of locations slot
N	22 mm	Diameter of attachment bolt hole
N_1	17 mm	Length of attachment slot
N_2	38 mm	Height of attachment slot
s_1	25.4 mm	Distance from locking device side face to raceway centre

THREADED HOLE

R_G	1/4-28 UNF	Housing thread for the grease fitting
R_1	3.5 mm	Axial position of the housing thread
R_α	30°	Angular position of the housing thread

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

CALCULATION DATA

Basic dynamic load rating	C	25.5 kN
Basic static load rating	C_0	15.3 kN
Fatigue load limit	P_u	0.655 kN
Limiting speed		5 300 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	1.55 kg
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MOUNTING INFORMATION

Set screw	G ₂	M6x0.75
Hexagonal key size for set screw		3 mm
Recommended tightening torque for set screw		4 N·m

INCLUDED PRODUCTS

Housing	TU 507 M
Bearing	YAR 207-2F

ASSOCIATED PRODUCTS

End cover	ECY 207
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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)	Bearing Select
Take-up units to North American standards	Principles of selecting mounted bearing solutions	Engineering Calculator
Take-up units to Japanese Industrial Standards (JIS)	Bearing failure and how to prevent it	Rolling bearings mounting and dismounting instructions
Take-up units, not standardized (SKF Food Line)		
Permissible misalignment		
Locating/non-locating support		
Loads		
Temperature limits		
Permissible speed		
Lubrication		
Mounting and dismounting		
Ordering information		
Designation system		

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