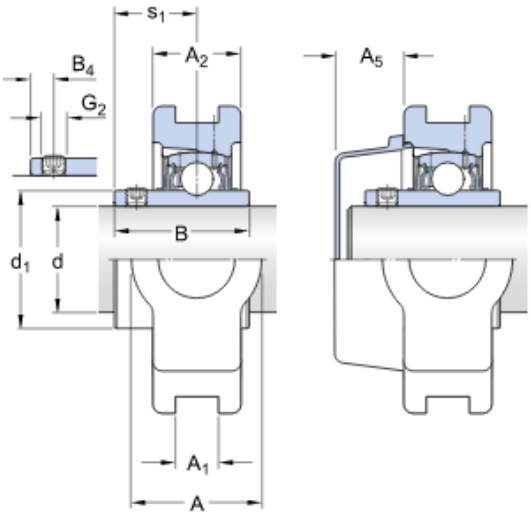


TU 55 TF

Take-up ball bearing units

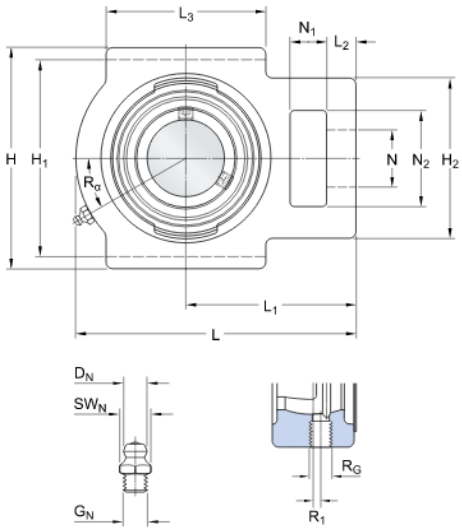
Technical specification

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



DIMENSIONS

d	55 mm
d_1	≈ 69.06 mm
A	64 mm
A_1	27 mm
A_2	41 mm
A_5	33.5 mm
B	55.6 mm
B_1	55.6 mm
B_4	9 mm
H	146 mm
H_1	130 mm
H_2	102 mm
L	171 mm



L_1	106 mm
L_2	19 mm
L_3	95 mm
N	35 mm
N_1	25 mm
N_2	64 mm
s_1	33.4 mm

THREADED HOLE

R_G	1/4-28 UNF
R_1	5 mm
R_α	30 °

GREASE FITTING

D_N	6.5 mm
SW_N	7 mm
G_N	1/4-28 SAE-LT

CALCULATION DATA

Basic dynamic load rating	C	43.6 kN
Basic static load rating	C_0	29 kN
Fatigue load limit	P_u	1.25 kN
Limiting speed		3600 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	3.9 kg

MOUNTING INFORMATION

Set screw	G_2	M10x1
Hexagonal key size for set screw	N	5 mm
Recommended tightening torque for set screw		16.5 N·m

INCLUDED PRODUCTS

Housing	TU 511 M
Bearing	YAR 211-2F

ASSOCIATED PRODUCTS

End cover	ECY 211

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)
- Ball bearing unit data
- Loads
- Temperature limits
- Permissible speed
- Lubrication
- Mounting and dismounting
- 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

- Bearing Select
- Engineering Calculator
- Rolling bearings mounting and dismounting instructions

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