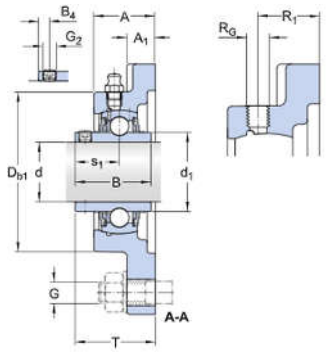


UCF 312

Square flanged ball bearing units

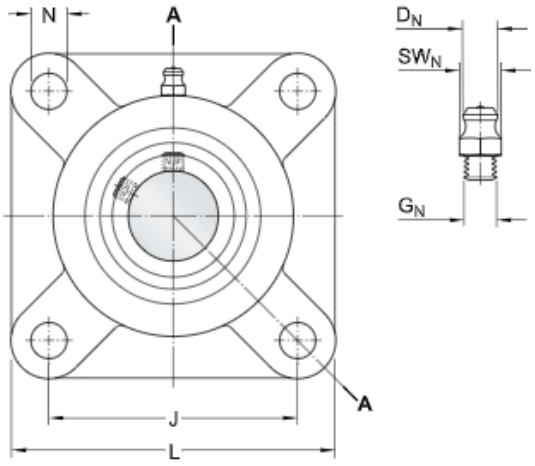
Technical specification

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



DIMENSIONS

d	60 mm
d_1	≈ 81.7 mm
A	57.5 mm
A_1	23 mm
B	71 mm
B_4	12 mm
D_{b1}	165 mm
J	150 mm
L	193 mm
N	23 mm
s_1	45 mm
T	78 mm



GREASE FITTING

D_N	6.589 mm
SW_N	11.11 mm
G_N	1/8-27 NPT

THREADED HOLE

R_G	1/8-27 NPT
R_1	40.5 mm

CALCULATION DATA

Basic dynamic load rating	C	81.9 kN
Basic static load rating	C_0	52 kN
Fatigue load limit	P_u	2.2 kN
Limiting speed		2900 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	6.95 kg

MOUNTING INFORMATION

Set screw	G_2	M12x1.5
Hexagonal key size for set screw	N	6.08 mm
Recommended tightening torque for set screw		28.5 N·m
Recommended diameter for attachment bolts, mm	G	20 mm
Recommended diameter for attachment bolts, inch	G	0.75 in

INCLUDED PRODUCTS

Housing	F 312/Y
Bearing	UC 312

More information

Product details

- Flanged units to ISO standards
- Flanged units to North American standards
- Flanged units to Japanese Industrial Standards (JIS)
- Flanged 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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