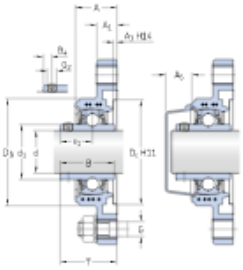
FYTBK 25 TF

Oval flanged ball bearing units



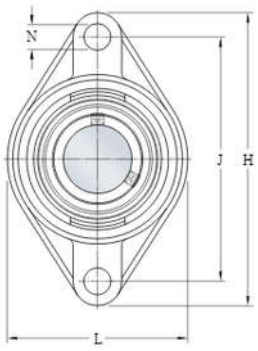
Technical specification

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



DIMENSIONS

d	25 mm
d_1	≈ 33.74 mm
A	30 mm
A_1	15 mm
A_3	3.2 mm
A_5	20 mm
B	34.1 mm
B_4	5 mm
D_b	65 mm
D_c	63.5 mm
H	124 mm
J	99 mm
L	70 mm



N	12.3 mm
s_1	19.8 mm
T	38.8 mm

CALCULATION DATA

Basic dynamic load rating	C	14 kN
Basic static load rating	C_0	7.8 kN
Fatigue load limit	P_u	0.335 kN
Limiting speed		7000 r/min
with shaft tolerance h6		

MASS

Mass bearing unit	0.27 kg

MOUNTING INFORMATION

Set screw	G_2	M6x0.75
Hexagonal key size for set screw	N	3 mm
Recommended tightening torque for set screw		4 N·m
Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

INCLUDED PRODUCTS

Housing	FYTBK 505
Bearing	YAR 205-2F

ASSOCIATED PRODUCTS

End cover	ECY 205

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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