FYTB 505 M



Oval flanged housing for insert bearings, cast iron

These oval flanged housings are made of grey cast iron and can be bolted with two bolts to a machine wall or frame. They are developed for bearing arrangements that must operate reliably in difficult environments for extended periods without maintenance.

- Resist high levels of contamination
- Designed for hightemperatures and speeds
- Accommodate relatively heavy loads

Overview

Dimensions

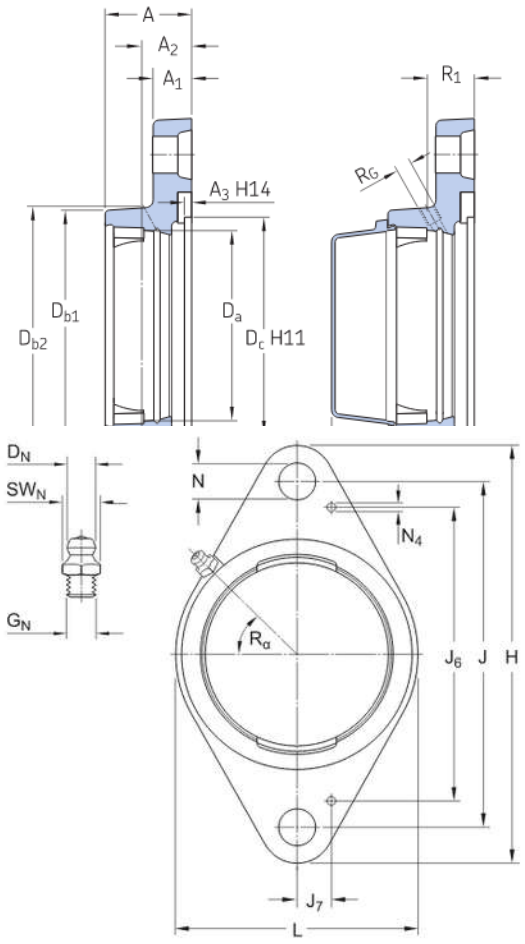
Centre distance between bolt holes	99 mm
Housing overall width	30 mm
Spherical seating diameter	52 mm

Properties

Coating	Without
Fastening bolt hole type	Plain
Flanged housing type	Oval
Housing type	Flanged
Material, housing	Cast iron
Number of bolt holes for fasteners	2
Relubrication hole	With
Relubrication nipple	With

Technical Specification

Material	Cast iron



Dimensions

D_a	52 mm	Diameter of spherical seat
D_{b1}	65 mm	Top external diameter
D_{b2}	70 mm	Base external diameter
D_c	63.5 mm	Centering diameter
A	30 mm	Overall width
A_1	12 mm	Flange width
A_2	19 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
A_5	20.5 mm	Standout of end cover
H	124 mm	Overall height
J	99 mm	Distance between attachment bolts
L	70 mm	Overall length
N	11.5 mm	Diameter of attachment bolt hole

Threaded hole

R_G	1/4-28 UNF	Housing thread for grease fitting
R_1	20.5 mm	Axial position of the housing thread
R_α	45 °	Angular position of the housing thread

Grease fitting

D_1	6.5 mm	Diameter of head sphere of grease fitting
S\	7 mm	Hexagonal key size for the grease fitting

G_1	1/4-28 SAE-LT	Thread of the grease fitting

Dowel pins

J_6	81 mm	Distance of dowel pins
J_7	12 mm	Axial offset of dowel pins
N_4	2 mm	Recommended diameter for dowel pins

Mass

Mass housing	0.39 kg

Mounting information

Recommended diameter for attachment bolts, mm	G	10 mm
Recommended diameter for attachment bolts, inch	G	0.375 in

Associated products

End cover	ECY 205

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