

FYTB 507 MOval flanged housing for insert bearings, cast iron



Oval flanged housing for insert bearings, cast iron

These oval flanged housings for insert bearings are made of grey cast iron and can be bolted with two bolts to a machine wall or frame. They have been developed for bearing arrangements that must operate reliably in difficult environments.

- Resist high levels of contamination
- Accommodate relatively heavy loads

Overview

Dimensions

Spherical seating diameter	2.835 in
Housing overall width	1.358 in
Centre distance between bolt holes	5.118 in

Properties

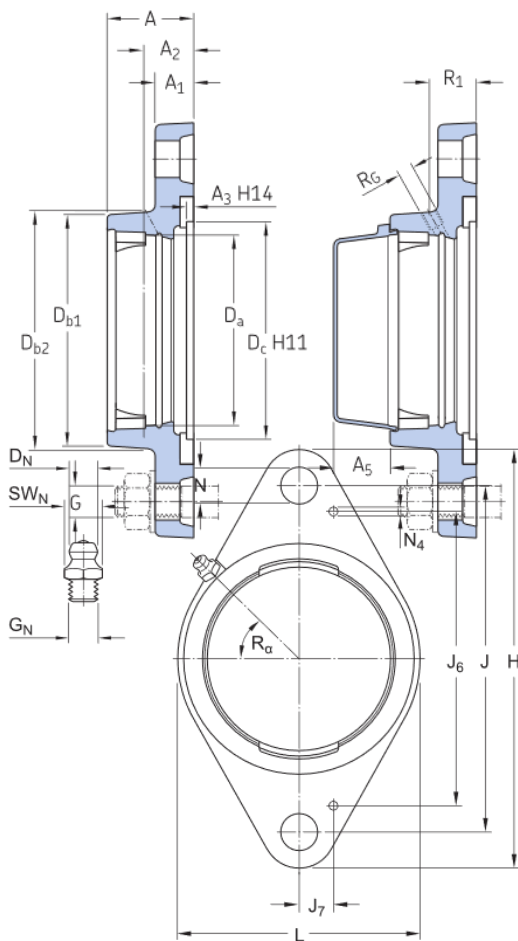
Housing type	Flanged
Flanged housing type	Oval
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

Technical Specification

Material

Cast iron

Dimensions



D_a	2.835 in	Diameter of spherical seat
D_{b1}	3.465 in	Top external diameter
D_{b2}	3.78 in	Base external diameter
D_c	3.5 in	Centering diameter
A	1.358 in	Overall width
A_1	0.512 in	Flange width
A_2	0.827 in	Axial position of spherical seat (from support surface)
A_3	0.126 in	Depth of centring recess
A_5	0.965 in	Standout of end cover
H	6.142 in	Overall height
J	5.118 in	Distance between attachment bolts
L	3.78 in	Overall length
N	0.551 in	Diameter of attachment bolt hole

Threaded hole

R_t	1/4-28 UNF	Housing thread for grease fitting
R_1	0.866 in	Axial position of the housing thread
R_c	45 °	Angular position of the housing thread

Grease fitting

D ₁	0.256 in	Diameter of head sphere of grease fitting
S ₁	0.276 in	Hexagonal key size for the grease fitting
G	1/4-28 SAE-LT	Thread of the grease fitting

Dowel pins

J ₆	4.173 in	Distance of dowel pins
J ₇	0.591 in	Axial offset of dowel pins
N ₁	0.079 in	Recommended diameter for dowel pins

Mass

Mass housing	1.653 lb
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Mounting information

Recommended diameter for attachment bolts, mm	G	11.989 mm
Recommended diameter for attachment bolts, inch	G	0.5 in

Associated products

End cover	ECY 207
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