

FYTB 509 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	85 mm
Housing overall width	39 mm
Centre distance between bolt holes	148.5 mm

Properties

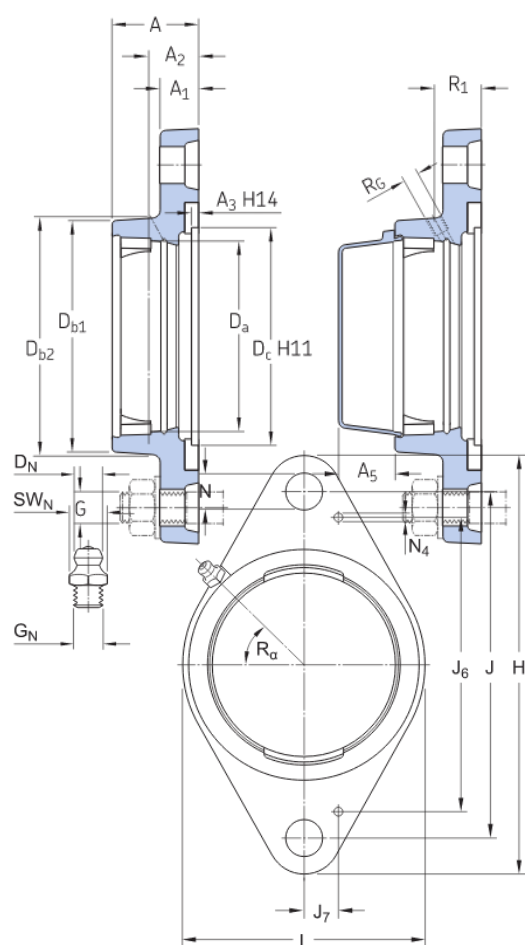
Housing type	Flanged
Flanged housing type	Oval
Number of bolt holes for fasteners	2
Fastening bolt hole type	Plain
Material, housing	Cast iron
Coating	Without
Relubrication hole	With
Grease fitting	With

Technical Specification

Material

Cast iron

Dimensions



D _a	85 mm	Diameter of spherical seat
D _{b1}	102 mm	Top external diameter
D _{b2}	111 mm	Base external diameter
D _c	98.4 mm	Centering diameter
A	39 mm	Overall width
A ₁	14 mm	Flange width
A ₂	24 mm	Axial position of spherical seat (from support surface)
A ₃	3.2 mm	Depth of centring recess
A ₅	26.5 mm	Standout of end cover
H	178.5 mm	Overall height
J	148.5 mm	Distance between attachment bolts
L	111 mm	Overall length
N	16 mm	Diameter of attachment bolt hole

Threaded hole

R ₁	1/4-28 UNF	Housing thread for grease fitting
R ₂	24.5 mm	Axial position of the housing thread
R ₃	45 °	Angular position of the housing thread

Grease fitting

D	6.5 mm	Diameter of head sphere of grease fitting
S	7 mm	Hexagonal key size for the grease fitting
G	1/4-28 SAE-LT	Thread of the grease fitting

Dowel pins

J ₆	120.5 mm	Distance of dowel pins
J ₇	18 mm	Axial offset of dowel pins
N	2 mm	Recommended diameter for dowel pins

Mass

Mass housing	1.1 kg
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Mounting information

Recommended diameter for attachment bolts, mm	G	14 mm
Recommended diameter for attachment bolts, inch	G	0.5625 in

Associated products

End cover	ECY 209
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