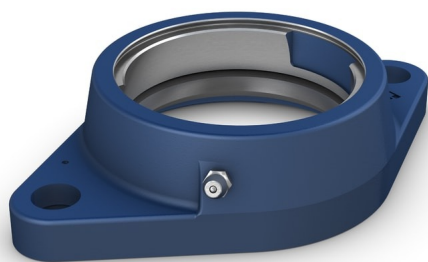


FYTJ 509Oval flanged housing for insert bearings, cast iron, JIS



Oval flanged housing for insert bearings, cast iron, JIS

These oval flanged housings for insert bearings are compliant with Japanese Industrial Standards (JIS). They 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.

- Accommodate relatively heavy loads

Overview

Dimensions

Spherical seating diameter	85 mm
Housing overall width	38 mm
Centre distance between bolt holes	148 mm

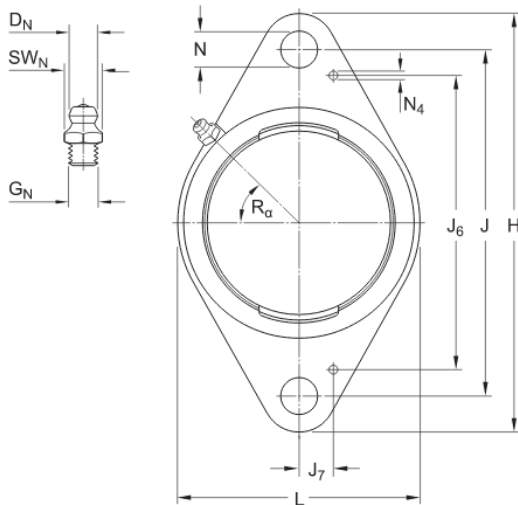
Properties

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}	108 mm	Base external diameter
D_c	98.4 mm	Centering diameter
A	38 mm	Overall width
A_1	18 mm	Flange width
A_2	22 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
H	188 mm	Overall height
J	148 mm	Distance between attachment bolts
L	108 mm	Overall length
N	19 mm	Diameter of attachment bolt hole

Threaded hole

R_G	1/4-28 UNF	Housing thread for grease fitting
R_1	23 mm	Axial position of the housing thread
R_a	45 °	Angular position of the housing thread

Grease fitting

D_N	6.5 mm	Diameter of head sphere of grease fitting
SW	7 mm	Hexagonal key size for the grease fitting
G_N	1/4-28 SAE-LT	Thread of the grease fitting

Dowel pins

J_6	120 mm	Distance of dowel pins
J_7	18 mm	Axial offset of dowel pins
N_4	2 mm	Recommended diameter for dowel pins

Mass

Mass housing	1.2 kg
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Mounting information

Recommended diameter for attachment bolts, mm	G	16 mm
Recommended diameter for attachment bolts, inch	G	0.625 in

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