

FYJ 516 Square flanged housing for insert bearings, cast iron, JIS



Square flanged housing for insert bearings, cast iron, JIS

These square flanged housings for insert bearings are compliant with Japanese Industrial Standards (JIS). They are made of grey cast iron and can be bolted with four 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	140 mm
Housing overall width	54.5 mm
Centre distance between bolt holes	165 mm

Properties

Housing type	Flanged
Flanged housing type	Square
Number of bolt holes for fasteners	4
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	140 mm	Diameter of spherical seat
D_{b1}	162 mm	Top external diameter
D_{b2}	171 mm	Base external diameter
D_c	179.4 mm	Centring diameter
A	54.5 mm	Overall width
A_1	22 mm	Flange width
A_2	34 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
J	165 mm	Distance between attachment bolts
L	208 mm	Overall length
N	23 mm	Diameter of attachment bolt hole

Threaded hole

R_G	1/4-28 UNF	Housing thread for grease fitting
R_1	34.5 mm	Axial 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
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Dowel pins

J_6 184 mm	Distance of dowel pins
J_7 51.5 mm	Axial offset of dowel pins
N_4 4 mm	Recommended diameter for dowel pins

Mass

Mass housing	4.15 kg
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Mounting information

Recommended diameter for attachment bolts, mm	G	20 mm
Recommended diameter for attachment bolts, inch	G	0.75 in

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