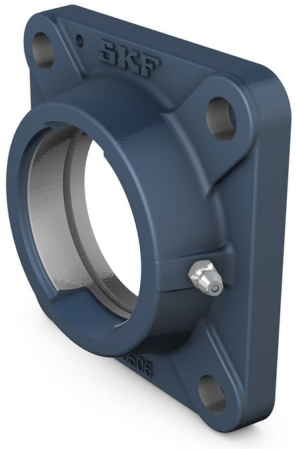


FY 511 MSquare flanged housing for insert bearings, cast iron

Square flanged housing for insert bearings, cast iron

These square flanged housings for insert bearings 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

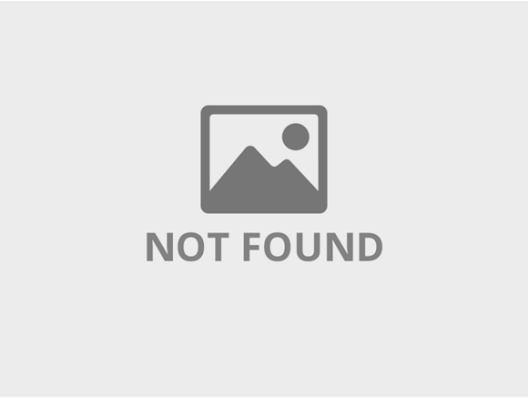
Spherical seating diameter	100 mm
Housing overall width	47.5 mm
Centre distance between bolt holes	130 mm

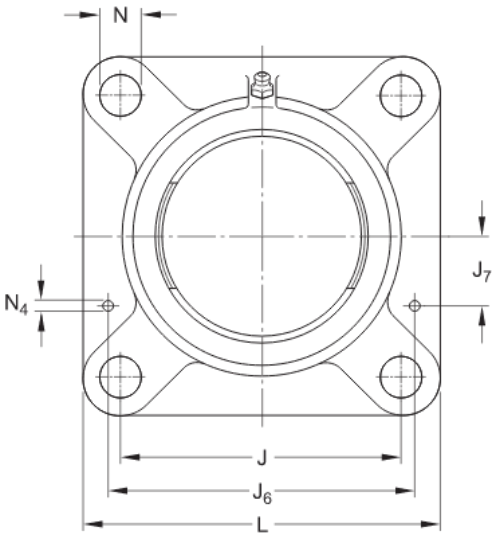
Properties

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	100 mm	Diameter of spherical seat
D_{b1}	122 mm	Top external diameter
D_{b2}	134 mm	Base external diameter
D_c	150.8 mm	Centring diameter
A	47.5 mm	Overall width
A_1	16 mm	Flange width
A_2	31 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
A_5	37.5 mm	Standout of end cover
J	130 mm	Distance between attachment bolts
L	162 mm	Overall length
N	18 mm	Diameter of attachment bolt hole

Threaded hole

R_G	1/4-28 UNF	Housing thread for grease fitting
R_1	32 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

Dowel pins

J_6	148 mm	Distance of dowel pins
J_7	45 mm	Axial offset of dowel pins
N_4	4 mm	Recommended diameter for dowel pins

Mass

Mass housing	2.25 kg

Mounting information

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

Associated products

End cover	ECY 211

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