

FY 503 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	40 mm
Housing overall width	26 mm
Centre distance between bolt holes	54 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	40 mm	Diameter of spherical seat
D_{b1}	50 mm	Top external diameter
D_{b2}	53 mm	Base external diameter
D_c	55.6 mm	Centring diameter
A	26 mm	Overall width
A_1	11 mm	Flange width
A_2	17 mm	Axial position of spherical seat (from support surface)
A_3	3.2 mm	Depth of centring recess
J	54 mm	Distance between attachment bolts
L	76 mm	Overall length
N	11.5 mm	Diameter of attachment bolt hole

Threaded hole

R_G	1/4-28 UNF	Housing thread for grease fitting
R_1	19 mm	Axial position of the housing thread

Grease fitting

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

J ₆ 66 mm	Distance of dowel pins
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J ₇ 14.5 mm	Axial offset of dowel pins
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N ₄ 4 mm	Recommended diameter for dowel pins
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Mass

Mass housing	0.28 kg
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Mounting information

Recommended diameter for attachment bolts, mm	G	10 mm
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Recommended diameter for attachment bolts, inch	G	0.375 in
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