

Image may differ from product. See technical specification for details.

FNL 520 A

FNL cast flanged, non-split housing

FNL cast flanged, non-split housings are well-proven machine parts that provide simple and reliable housing in applications without horizontal frames. They enable the full service life potential of the incorporated bearings to be exploited with less need for maintenance. FNL housings are supplied with a cover either for shaft ends (suffix A) or for through shafts

(suffix B). Smaller sizes (up to and including size 13) have a triangular flange, larger sizes have a square flange.

- Well-proven
- Less need for maintenance

Overview

Dimensions

Diameter of bearing seat	180 mm
Centre distance between bolt holes	198 mm
Attachment bolt diameter	20 mm

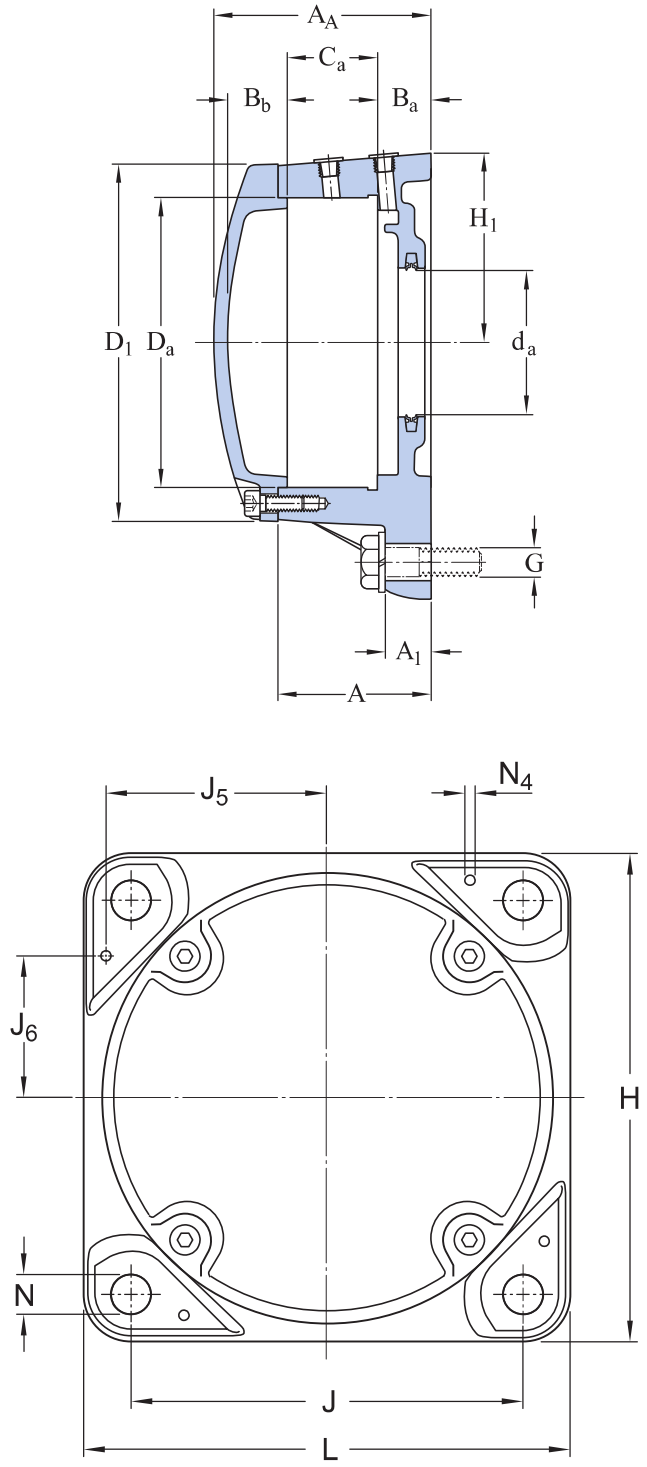
Properties

Housing type	Flanged
Housing configuration	One-piece
Mounting arrangement	Shaft end
Number of bolt holes for fasteners	4
Material, housing	Cast iron
Bearing housing seal type	Lip seal
Housing lubrication feature/possibility	Grease

Logistics

Product net weight	19.1 kg
eClass code	23-05-17-01
UNSPSC code	31171519

Technical specification



Dimensions

BEARING SEAT

D_a	180 mm	Diameter of bearing seat

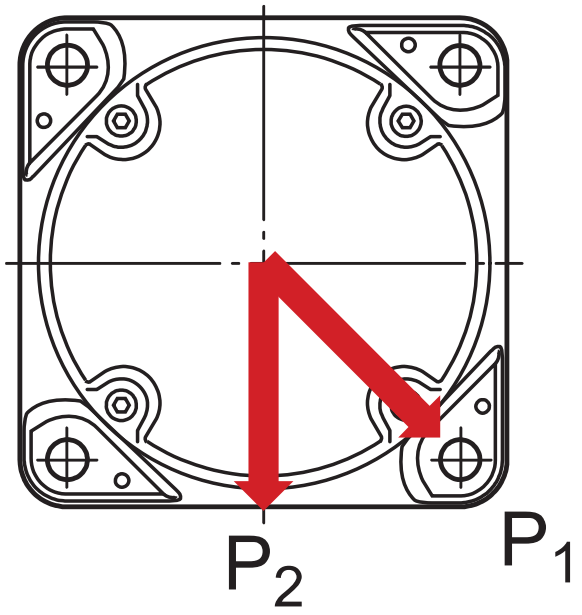
C_a	56 mm	Width of bearing seat
H_1	125 mm	Centre height of bearing seat
B_a	30 mm	Distance bearing seat to support surface
B_b	31 mm	Distance bearing seat to inner face of end cover

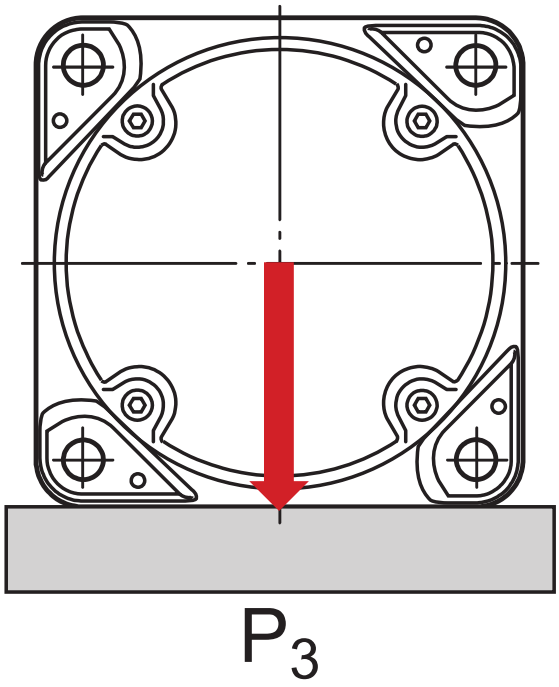
OUTSIDE DIMENSIONS

d_a	90 mm	Shaft diameter
A	91 mm	Base width
A_1	30 mm	Foot width
A_A	130 mm	Width
D_1	224 mm	Outside diameter of housing cover
H	250 mm	Height
L	250 mm	Length
J	198 mm	Distance of attachment bolts
N	22 mm	Diameter of attachment bolt hole

DOWEL PINS

J_5	112 mm	Position of dowel pin
J_6	72 mm	Position of dowel pin
$N_{4\ max.}$	8 mm	Diameter of dowel pins





Breaking loads

P_1	180 kN	Breaking load
P_2	185 kN	Breaking load
P_3	565 kN	Breaking load

Materials

Housing	Cast iron
Corrosion protection	Paint - in accordance with ISO 12944-2, corrosivity category C2

Mounting information

Size of cover bolt		M10x30
Recommended tightening torque for cover bolts		47 N·m
Recommended diameter of attachment bolts	G	20 mm
Recommended tightening torque for attachment bolts		385 N·m
Initial grease fill, 20%		197 g
Initial grease fill, 40%		342 g

Included products

Grease fitting	AH 1/8-27 PTF

Compatible products

Component

Double-lip seal	TFL 520

More Information

Designs and variants

- Standard housing design
- Housing variants
- Sealing solutions

Product details

- Permissible misalignment
- Typical shaft-bearing combinations
- Locating/non-locating support
- Loads
- Temperature limits
- Permissible speed
- Lubrication
- Mounting
- Condition monitoring
- Associated products
- Ordering information
- Designation system

Tools

- SKF Product select - Select and evaluate bearing
- SKF Product select - Combine bearing with housing
- SimPro Quick
- Tool and Accessory Selector for sleeves and shafts
- LubeSelect for SKF greases
- Drive-up Method Program
- Heater selection tool
- Oil Injection Method Program

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