



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

FNL 520 B

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

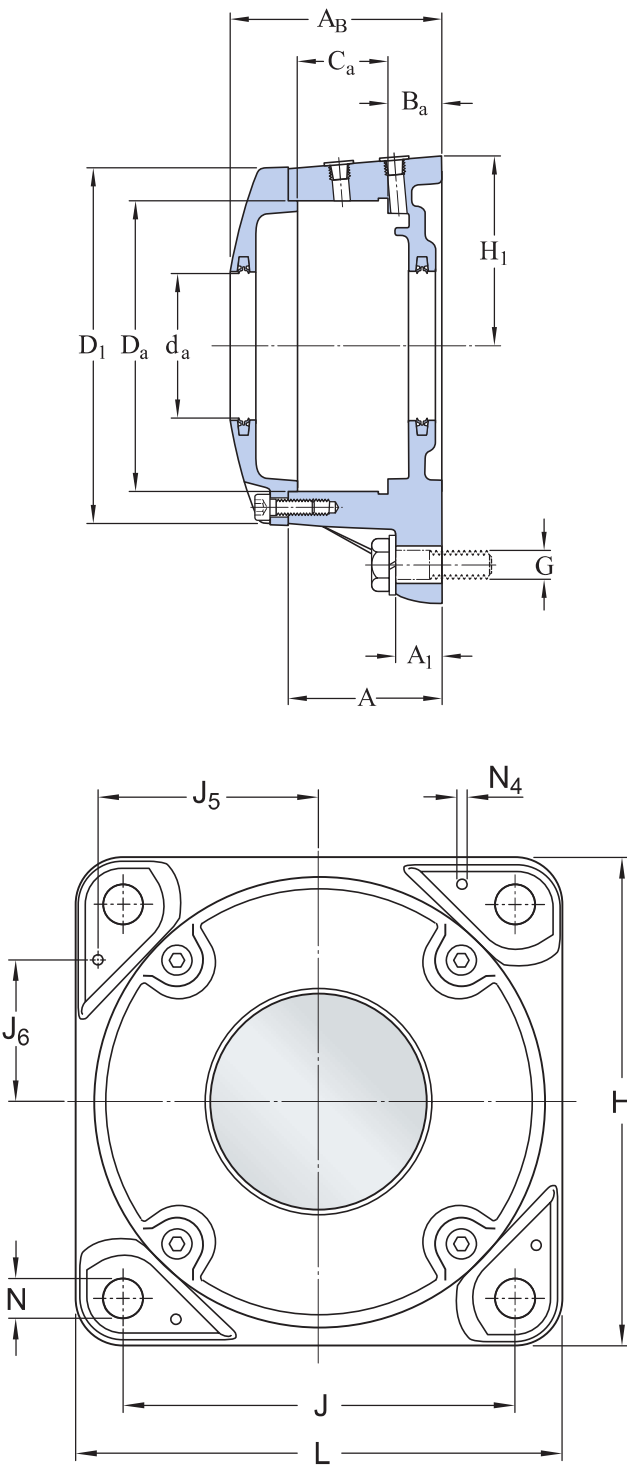
Properties

Housing type	Flanged
Housing configuration	One-piece
Mounting arrangement	Through shaft
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
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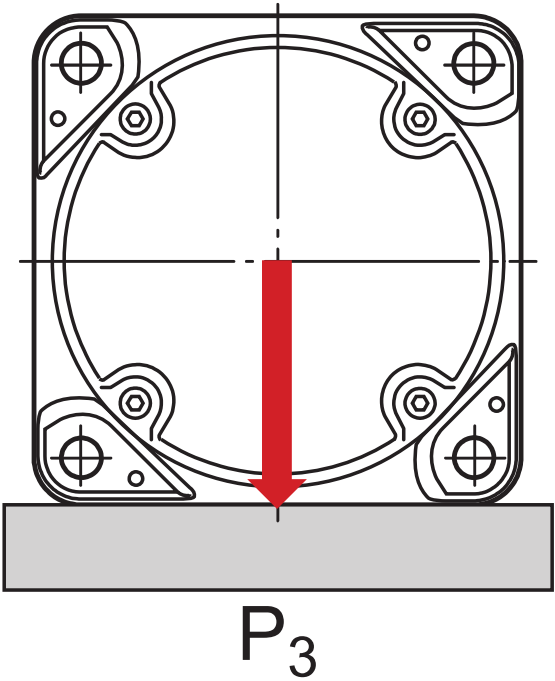
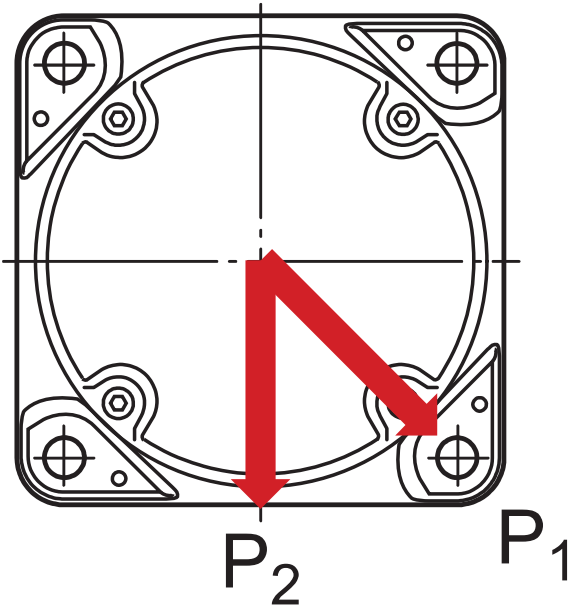
C _a	56 mm	Width of bearing seat
H ₁	125 mm	Centre height of bearing seat
B _a	30 mm	Distance bearing seat to support surface

OUTSIDE DIMENSIONS

d _a	90 mm	Shaft diameter
A	91 mm	Base width
A ₁	30 mm	Foot width
A _B	127 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	G20
Recommended tightening torque for attachment bolts	385 N·m
Initial grease fill, 20%	162 g
Initial grease fill, 40%	273 g

Included products

Grease fitting	AH 1/8-27 PTF
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Compatible products

Component

Double-lip seal	2 x TFL 520
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More Information

 Designs and variants	 Product details	 Tools
Standard housing design	Permissible misalignment	 SKF Product select - Select and evaluate bearing
Housing variants	Typical shaft-bearing combinations	 SKF Product select - Combine bearing with housing
Sealing solutions	Locating/non-locating support	SimPro Quick
	Loads	Tool and Accessory Selector for sleeves and shafts
	Temperature limits	LubeSelect for SKF greases
	Permissible speed	Drive-up Method Program
	Lubrication	Heater selection tool
	Mounting	Oil Injection Method Program
	Condition monitoring	
	Associated products	
	Ordering information	
	Designation system	



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