



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

FNL 516 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	140 mm
Centre distance between bolt holes	152 mm
Attachment bolt diameter	16 mm

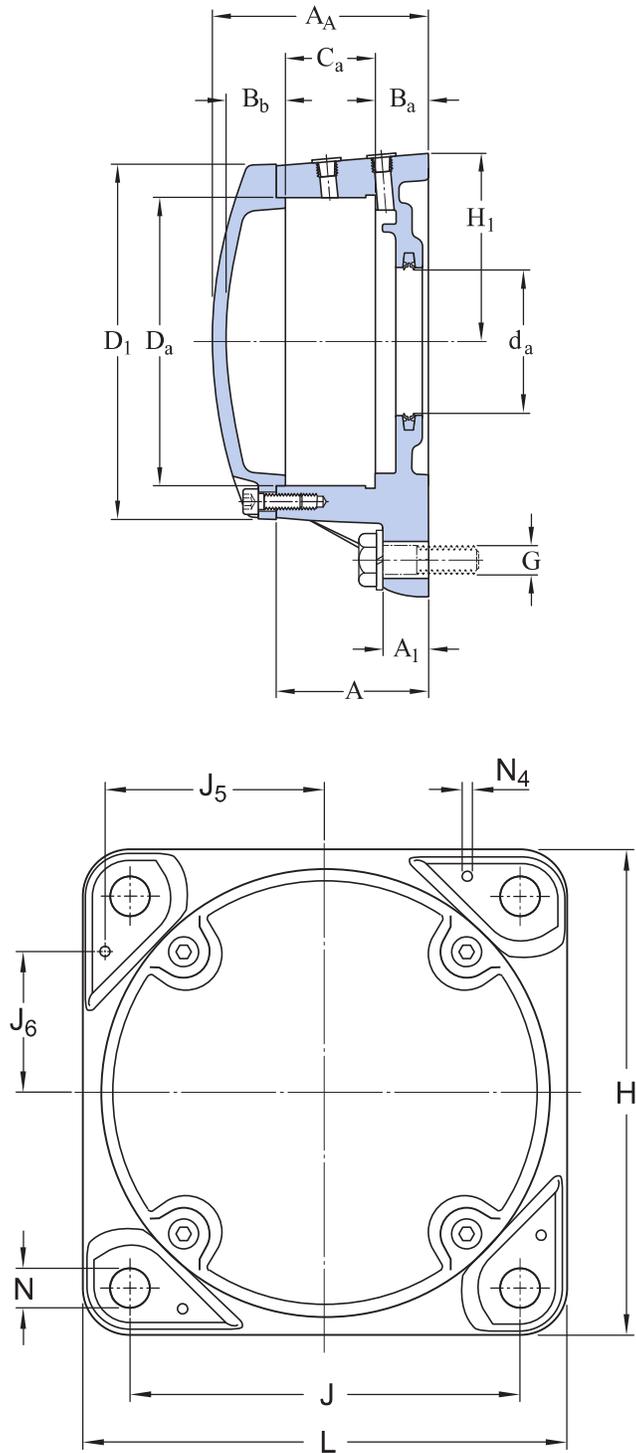
Properties

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	10.4 kg
eClass code	23-05-17-01
UNSPSC code	31171519

Technical specification



Dimensions

BEARING SEAT

D_a	140 mm	Diameter of bearing seat
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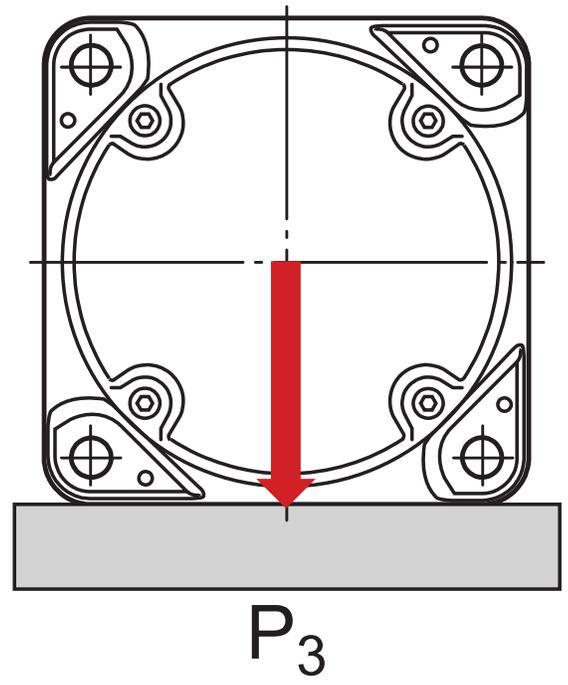
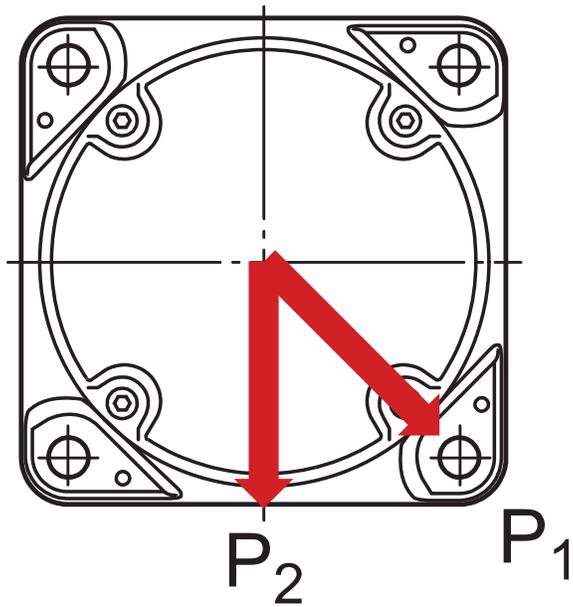
C _a	43 mm	Width of bearing seat
H ₁	98 mm	Centre height of bearing seat
B _a	31 mm	Distance bearing seat to support surface
B _b	27 mm	Distance bearing seat to inner face of end cover

OUTSIDE DIMENSIONS

d _a	70 mm	Shaft diameter
A	79 mm	Base width
A ₁	25 mm	Foot width
A _A	113 mm	Width
D ₁	175 mm	Outside diameter of housing cover
H	196 mm	Height
L	196 mm	Length
J	152 mm	Distance of attachment bolts
N	18 mm	Diameter of attachment bolt hole

DOWEL PINS

J ₅	87 mm	Position of dowel pin
J ₆	54 mm	Position of dowel pin
N _{4 max.}	8 mm	Diameter of dowel pins



Breaking loads

P ₁	150 kN	Breaking load
P ₂	140 kN	Breaking load
P ₃	340 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	M8x25
Recommended tightening torque for cover bolts	24 N·m
Recommended diameter of attachment bolts	G 16 mm
Recommended tightening torque for attachment bolts	200 N·m
Initial grease fill, 20%	109 g
Initial grease fill, 40%	196 g

Included products

Grease fitting

AH 1/8-27 PTF

Compatible products

Component

Double-lip seal

[TFL 516](#)

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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