



SKF FNL 518 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.

Technical specifications

Dimensions	
Diameter of bearing seat	160 mm
Width of bearing seat	50 mm
Centre height of bearing seat	105 mm
Distance bearing seat to support surface	30 mm
Shaft diameter	80 mm
Base width	85 mm
Foot width	25 mm
Width	118 mm
Outside diameter of housing cover	196 mm
Thread of relubrication holes	1/8-27 NPSF
Height	210 mm
Length	210 mm
Distance of attachment bolts	170 mm
Diameter of attachment bolt hole	18 mm
Position of dowel pin	95 mm
Position of dowel pin	60 mm
Diameter of dowel pins	8 mm
Centre distance between bolt holes	170 mm
Attachment bolt diameter	16 mm
Breaking loads	
Breaking load	170 kN
Breaking load	170 kN
Breaking load	490 kN
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	16 mm
Recommended tightening torque for attachment bolts	200 N·m
Initial grease fill, 20%	120 g
Initial grease fill, 40%	205 g
Included products	
Grease fitting	AH 1/8-27 PTF
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	12 kg
eClass code	23-05-17-02
UNSPSC code	31171519

SKF drawings



