



SKF 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.

Technical specifications

Dimensions	
Diameter of bearing seat	180 mm
Width of bearing seat	56 mm
Centre height of bearing seat	125 mm
Distance bearing seat to support surface	30 mm
Distance bearing seat to inner face of end cover	31 mm
Shaft diameter	90 mm
Base width	91 mm
Foot width	30 mm
Width	130 mm
Outside diameter of housing cover	224 mm
Thread of relubrication holes	1/8-27 NPSF
Height	250 mm
Length	250 mm
Distance of attachment bolts	198 mm
Diameter of attachment bolt hole	22 mm
Position of dowel pin	112 mm
Position of dowel pin	72 mm
Diameter of dowel pins	8 mm
Centre distance between bolt holes	198 mm
Attachment bolt diameter	20 mm
Breaking loads	
Breaking load	180 kN
Breaking load	185 kN
Breaking load	565 kN
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	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
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	23-05-17-02
UNSPSC code	31171519

SKF drawings



