



SKF FNL 511 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	100 mm
Width of bearing seat	27 mm
Centre height of bearing seat	65 mm
Distance bearing seat to support surface	24 mm
Distance bearing seat to inner face of end cover	23 mm
Shaft diameter	50 mm
Base width	56 mm
Foot width	15 mm
Width	84 mm
Outside diameter of housing cover	127 mm
Thread of relubrication holes	1/8-27 NPSF
Height	172.5 mm
Length	192 mm
Pitch diameter of attachment bolts	170 mm
Diameter of attachment bolt hole	14 mm
Position of dowel pin	77 mm
Position of dowel pin	21 mm
Position of dowel pin	57 mm
Position of dowel pin	56 mm
Position of dowel pin	21 mm
Position of dowel pin	77 mm
Diameter of dowel pins	6 mm
Pitch diameter of bolt holes of round and triangle flange type housing	170 mm
Attachment bolt diameter	12 mm
Breaking loads	
Breaking load	110 kN
Breaking load	80 kN
Breaking load	110 kN
Materials	
Housing	Cast iron
Corrosion protection	Paint - in accordance with ISO 12944-2, corrosivity category C2
Mounting information	
Size of cover bolt	M6x20
Recommended tightening torque for cover bolts	10 N·m
Recommended diameter of attachment bolts	12 mm
Recommended tightening torque for attachment bolts	80 N·m
Initial grease fill, 20%	35 g
Initial grease fill, 40%	61 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	3
Material, housing	Cast iron
Bearing housing seal type	Lip seal
Housing lubrication feature/possibility	Grease

Logistics	
Product net weight	4.49 kg
eClass code	23-05-17-02
UNSPSC code	31171519

SKF drawings



