



SKF SNL 520-617

Split plummer (pillow) block housing, SNL 2, 3, 5 and 6 series

SNL plummer (pillow) block housings are the most popular SKF bearing housings on the market, developed to be the first choice for design, quality and economy. They enable the incorporated bearings to achieve maximum service life with less need for maintenance. Different housing variants and seal designs are available, making the use of tailored housings virtually unnecessary and enabling cost-effective bearing arrangements to be made.

Technical specifications

Dimensions	
Diameter of bearing seat	180 mm
Tolerance class of bearing seat diameter	G7
Width of bearing seat	70 mm
Centre height of bearing seat	112 mm
Bore diameter	137.5 mm
Overall width	160 mm
Foot width	110 mm
Thread of relubrication holes	1/8-27 NPSF
Overall height	218 mm
Foot height	40 mm
Overall length	380 mm
Distance between attachment bolts	320 mm
Length of attachment bolt hole	32 mm
Width of attachment bolt hole	26 mm
Inside width between seal grooves	131 mm
Width of seal groove	6 mm
Distance to seal groove back face	10 mm
Width at bore diameter	14 mm
Diameter of seal groove	147.5 mm
Distance between dowel pins	348 mm
Axial offset of dowel pins	39 mm
Diameter of dowel pins	8 mm
Centre height (pillow block)	112 mm
Centre distance between bolt holes	320 mm
Attachment bolt diameter	24 mm

Calculation data	
Breaking load at 0° load angle (if the housing is not supported over its entire base)	470 kN
Breaking load at 55° load angle	620 kN
Breaking load at 90° load angle	370 kN
Breaking load at 120° load angle	280 kN
Breaking load at 150° load angle	250 kN
Breaking load at 180° load angle	310 kN
Breaking load, axial	200 kN
Load to reach yield point at 120° load angle	620 kN
Load to reach yield point at 150° load angle	360 kN
Load to reach yield point at 180° load angle	310 kN

Materials	
Housing material	Cast iron
Corrosion protection	Paint - in accordance with ISO 12944-2, corrosivity category C2

Mounting information	
Recommended diameter of attachment bolts	24 mm
Recommended tightening torque for attachment bolts	665 N·m

Size of cap bolts	M20x100
Tightening torque for cap bolts	200 N·m
Initial grease fill, 20%	390 g
Initial grease fill, 40%	630 g

Included products	
Grease fitting	AH 1/8-27 PTF

Properties	
Housing type	Plummer/pillow block
Housing configuration	Two-piece
Mounting arrangement	Through shaft/Shaft end
Number of bolt holes for fasteners	2
Material, housing	Cast iron
Bearing housing seal type	Without
Housing lubrication feature/possibility	Grease

Logistics	
Product net weight	18.4 kg
eClass code	23-05-17-01
UNSPSC code	31171519





