



SKF SNL 517

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	150 mm
Tolerance class of bearing seat diameter	G7
Width of bearing seat	61 mm
Centre height of bearing seat	95 mm
Bore diameter	97.5 mm
Overall width	125 mm
Foot width	90 mm
Thread of relubrication holes	1/8-27 NPSF
Overall height	182 mm
Foot height	32 mm
Overall length	320 mm
Distance between attachment bolts	260 mm
Length of attachment bolt hole	28 mm
Width of attachment bolt hole	22 mm
Inside width between seal grooves	98 mm
Width of seal groove	5 mm
Distance to seal groove back face	9 mm
Width at bore diameter	13 mm
Diameter of seal groove	106 mm
Distance between dowel pins	292 mm
Axial offset of dowel pins	33 mm
Diameter of dowel pins	8 mm
Centre height (pillow block)	95 mm
Centre distance between bolt holes	260 mm
Attachment bolt diameter	20 mm

Calculation data	
Breaking load at 0° load angle (if the housing is not supported over its entire base)	370 kN
Breaking load at 55° load angle	480 kN
Breaking load at 90° load angle	290 kN
Breaking load at 120° load angle	205 kN
Breaking load at 150° load angle	190 kN
Breaking load at 180° load angle	240 kN
Breaking load, axial	155 kN
Load to reach yield point at 120° load angle	220 kN
Load to reach yield point at 150° load angle	125 kN
Load to reach yield point at 180° load angle	110 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	20 mm
Recommended tightening torque for attachment bolts	385 N·m

Size of cap bolts	M12x80
Tightening torque for cap bolts	80 N·m
Initial grease fill, 20%	200 g
Initial grease fill, 40%	330 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	10.4 kg
eClass code	23-05-17-01
UNSPSC code	31171519

SKF drawings





