



SKF SNL 509

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	85 mm
Tolerance class of bearing seat diameter	G7
Width of bearing seat	30 mm
Centre height of bearing seat	60 mm
Bore diameter	56.5 mm
Overall width	85 mm
Foot width	60 mm
Thread of relubrication holes	1/8-27 NPSF
Overall height	109 mm
Foot height	25 mm
Overall length	205 mm
Distance between attachment bolts	170 mm
Length of attachment bolt hole	20 mm
Width of attachment bolt hole	15 mm
Inside width between seal grooves	60 mm
Width of seal groove	5 mm
Distance to seal groove back face	9 mm
Width at bore diameter	12 mm
Diameter of seal groove	64.5 mm
Distance between dowel pins	188 mm
Axial offset of dowel pins	22 mm
Diameter of dowel pins	6 mm
Centre height (pillow block)	60 mm
Centre distance between bolt holes	170 mm
Attachment bolt diameter	12 mm

Calculation data	
Breaking load at 0° load angle (if the housing is not supported over its entire base)	160 kN
Breaking load at 55° load angle	230 kN
Breaking load at 90° load angle	140 kN
Breaking load at 120° load angle	100 kN
Breaking load at 150° load angle	90 kN
Breaking load at 180° load angle	115 kN
Breaking load, axial	75 kN
Load to reach yield point at 120° load angle	150 kN
Load to reach yield point at 150° load angle	85 kN
Load to reach yield point at 180° load angle	75 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	12 mm
Recommended tightening torque for attachment bolts	80 N·m

Size of cap bolts	M10x50
Tightening torque for cap bolts	50 N·m
Initial grease fill, 20%	40 g
Initial grease fill, 40%	60 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	3.04 kg
eClass code	23-05-17-01
UNSPSC code	31171519

SKF drawings





