



SKF SNL 530

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	270 mm
Tolerance class of bearing seat diameter	G7
Width of bearing seat	106 mm
Centre height of bearing seat	160 mm
Bore diameter	192.5 mm
Overall width	220 mm
Foot width	160 mm
Thread of relubrication holes	1/8-27 NPSF
Overall height	323 mm
Foot height	60 mm
Overall length	530 mm
Distance between attachment bolts	450 mm
Length of attachment bolt hole	42 mm
Width of attachment bolt hole	35 mm
Inside width between seal grooves	189 mm
Width of seal groove	6 mm
Distance to seal groove back face	11 mm
Width at bore diameter	15 mm
Diameter of seal groove	202.5 mm
Distance between dowel pins	486 mm
Axial offset of dowel pins	58 mm
Diameter of dowel pins	12 mm
Centre height (pillow block)	160 mm
Centre distance between bolt holes	450 mm
Attachment bolt diameter	30 mm

Calculation data	
Breaking load at 0° load angle (if the housing is not supported over its entire base)	1100 kN
Breaking load at 55° load angle	1200 kN
Breaking load at 90° load angle	730 kN
Breaking load at 120° load angle	540 kN
Breaking load at 150° load angle	480 kN
Breaking load at 180° load angle	600 kN
Breaking load, axial	390 kN
Load to reach yield point at 120° load angle	900 kN
Load to reach yield point at 150° load angle	520 kN
Load to reach yield point at 180° load angle	450 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	30 mm
Recommended tightening torque for attachment bolts	1310 N·m

Size of cap bolts	M24x130
Tightening torque for cap bolts	350 N·m
Size of eye bolt	M12
Initial grease fill, 20%	1100 g
Initial grease fill, 40%	1700 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	51.9 kg
eClass code	23-05-17-01
UNSPSC code	31171519

SKF drawings





