



SKF SNL 524-620

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	215 mm
Tolerance class of bearing seat diameter	G7
Width of bearing seat	86 mm
Centre height of bearing seat	140 mm
Bore diameter	157.5 mm
Overall width	185 mm
Foot width	120 mm
Thread of relubrication holes	1/8-27 NPSF
Overall height	271 mm
Foot height	45 mm
Overall length	410 mm
Distance between attachment bolts	350 mm
Length of attachment bolt hole	32 mm
Width of attachment bolt hole	26 mm
Inside width between seal grooves	151 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	167.5 mm
Distance between dowel pins	378 mm
Axial offset of dowel pins	44 mm
Diameter of dowel pins	8 mm
Centre height (pillow block)	140 mm
Centre distance between bolt holes	350 mm
Attachment bolt diameter	24 mm

Calculation data	
Breaking load at 0° load angle (if the housing is not supported over its entire base)	800 kN
Breaking load at 55° load angle	790 kN
Breaking load at 90° load angle	470 kN
Breaking load at 120° load angle	350 kN
Breaking load at 150° load angle	320 kN
Breaking load at 180° load angle	400 kN
Breaking load, axial	260 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	M20x120
Tightening torque for cap bolts	200 N·m
Size of eye bolt	M10
Initial grease fill, 20%	630 g
Initial grease fill, 40%	1000 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	27.8 kg
eClass code	23-05-17-01
UNSPSC code	31171519





