



SKF SYNT 55 LTS

Pillow block roller bearing unit, metric series

Roller bearing units are robust, ready-to-mount units that are lubricated and sealed at the factory for maximum service life. Pillow (plummer) block units can support rotating shafts while standing on a flat surface, or hanging on a wall or ceiling. The SKF ConCentra locking combines easy mounting and a concentric tight fit on the shaft for high speeds and low vibration.

Technical specifications

General	
Metric/inch series	Metric
Bearing insert	Spherical roller bearing
Bearing position	Non-locating
Locking method	SKF ConCentra
Bearing housing seal type	Labyrinth seal

Dimensions	
Shaft diameter	55 mm
Collar outer diameter	81 mm
Housing foot width	70 mm
Inner ring width	66 mm
Height base to center	70 mm
Housing foot height	30 mm
Housing height	137 mm
Distance of attachment bolts	210 mm
Housing length	255 mm
Width of attachment bolt hole	18 mm
Length of attachment bolt hole	24 mm
Axial displacement	2.5 mm
Distance bearing centre line to end cover	66 mm
Distance bearing centre line to shaft end	55 mm
Distance bearing centre line to shaft end	34 mm
Distance dowel pins	234 mm
Distance dowel pins	26 mm
Pin hole diameter	8 mm
Centre height (pillow block)	70 mm
Housing overall width	70 mm
Centre distance between bolt holes	210 mm
Attachment bolt diameter	16 mm
Bearing width, total	66 mm

Calculation data	
Basic dynamic load rating	125 kN
Basic static load rating	137 kN
Fatigue load limit	13.7 kN
Limiting speed	4500 r/min
Limiting value	0.24
Calculation factor	2.8
Calculation factor	4.2
Calculation factor	2.8
Bearing mean diameter	77.5 mm
Axial holding force of the locking mechanism	15 kN

Breaking loads	
Breaking load	210 kN
Breaking load	350 kN
Breaking load	210 kN

Breaking load	140 kN
Breaking load	120 kN
Breaking load	150 kN

Mounting information	
Attachment bolt diameter	16 mm
Tightening torque for attachment bolts	200 N·m
Set screws	M6
Number of set screws	3
Tightening torque for set screws	8 N·m
Grease quantity for relubrication	5 g

Performance	
Basic dynamic load rating	125 kN
Basic static load rating	137 kN
Limiting speed	4500 r/min

Properties	
Housing type	Pillow block
Number of bolt holes for fasteners	2
Bearing insert	Spherical roller bearing
Retaining feature, inner ring	SKF ConCentra
Bearing position	Non-locating
Bore type	Cylindrical
Material, housing	Cast iron
Material, bearing	Bearing steel
Coating	Without
Bearing housing seal type	Labyrinth seal
Sealing, unit	Optional end cover
Lubricant	Grease
Relubrication hole	With
Grease fitting	With

Logistics	
Product net weight	6.1 kg
eClass code	23-05-16-90
UNSPSC code	31171537

SKF drawings



