



SKF SYNT 60 FTS

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	Locating
Locking method	SKF ConCentra
Bearing housing seal type	Labyrinth seal

Dimensions	
Shaft diameter	60 mm
Collar outer diameter	86 mm
Housing foot width	80 mm
Inner ring width	70 mm
Height base to center	80 mm
Housing foot height	30 mm
Housing height	151 mm
Distance of attachment bolts	230 mm
Housing length	275 mm
Width of attachment bolt hole	18 mm
Length of attachment bolt hole	24 mm
Distance bearing centre line to end cover	73 mm
Distance bearing centre line to shaft end	65 mm
Distance bearing centre line to shaft end	38 mm
Distance dowel pins	254 mm
Distance dowel pins	29 mm
Pin hole diameter	8 mm
Centre height (pillow block)	80 mm
Housing overall width	80 mm
Centre distance between bolt holes	230 mm
Attachment bolt diameter	16 mm
Bearing width, total	70 mm

Calculation data	
Basic dynamic load rating	156 kN
Basic static load rating	166 kN
Fatigue load limit	18.6 kN
Limiting speed	4100 r/min
Limiting value	0.24
Calculation factor	2.8
Calculation factor	4.2
Calculation factor	2.8
Bearing mean diameter	85 mm
Axial holding force of the locking mechanism	15 kN

Breaking loads	
Breaking load	270 kN
Breaking load	365 kN
Breaking load	220 kN
Breaking load	150 kN

Breaking load	130 kN
Breaking load	170 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	6 g

Performance	
Basic dynamic load rating	156 kN
Basic static load rating	166 kN
Limiting speed	4100 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	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	7.8 kg
eClass code	23-05-16-90
UNSPSC code	31171537

SKF drawings



