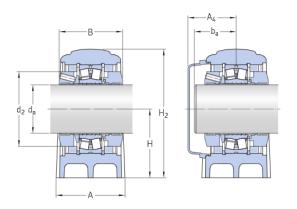


SYNT 55 FTS

Pillow block roller bearing units

Technical specification

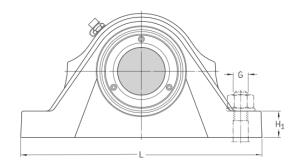
Metric/Inch series	Metric
Bearing type	Spherical roller bearing
Bearing position	Locating
Locking method	SKF ConCentra
Sealing solution	Labyrinth seals



DIMENSIONS

d _a	55 mm	Shaft diameter
d_2	81 mm	Collar outer diameter
Α	70 mm	Housing foot width
В	66 mm	Inner ring width
Н	70 mm	Height base to center
H_1	30 mm	Housing foot height
H ₂	137 mm	Housing height
J	210 mm	Distance of attachment bolts
L	255 mm	Housing length
Ν	18 mm	Width foot slot width
N_1	24 mm	Length of attachment bolt hole



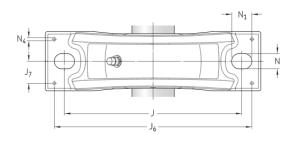


SHAFT END

А3	66 mm	Distance bearing centreline to end cover
ba max.	max.55 mm	Distance bearing centreline to shaft end
ba min.	min.34 mm	Distance bearing centreline to shaft end

DOWEL PINS

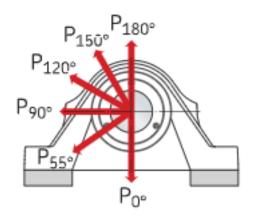
J ₆	234 mm	Distance dowel pins
J_7	26 mm	Distance dowel pins
N_4	8 mm	Pin hole diameter



CALCULATION DATA

Basic dynamic load rating	С	125 kN
Basic static load rating	C_0	137 kN
Fatigue load limit	P_{u}	13.7 kN
Limiting speed		4 500 r/min
Calculation factor	е	0.24
Calculation factor	Y_1	2.8
Calculation factor	Y ₂	4.2
Calculation factor	Y ₀	2.8
Bearing mean diameter	d_{m}	77.5 mm
Included bearing		22211 EKS
Axial holding force of the locking mechanism	Pa	15 kN





BREAKING LOADS

P _{0°}	210 kN	Breaking load
P ₅₅ °	350 kN	Breaking load
P ₉₀ °	210 kN	Breaking load
P ₁₂₀	140 kN	Breaking load
P ₁₅₍	120 kN	Breaking load
P ₁₈₀	150 kN	Breaking load

MASS

Mass bearing unit	6	kg
Mass bearing unit	6	кg

MOUNTING INFORMATION

Attachment bolt diameter	G	16 mm
Tightening torque for attachment bolts		200 N∙m
Set screws		3 x M6
Tightening torque for set screws		8 N·m
Grease quantity for relubrication		5 g

ASSOCIATED PRODUCTS

End cover		ECY 211
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More information

	letails

Pillow block units - metric

Pillow block units - inch

Permissible misalignment

Locating / non-locating support

Loads

Temperature limits

Permissible speed

Lubrication

Mounting and dismounting

Condition Monitoring

Associated products

Ordering information

Designation system for SKF Pillow block roller bearing units

Engineering information

Principles of selecting mounted bearing solutions

Bearing failure and how to prevent it

Engineering tools

Bearing Select

Rolling bearings mounting and dismounting instructions





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