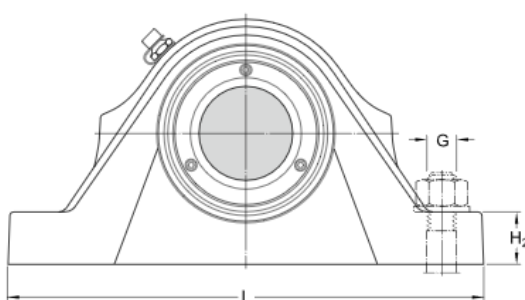
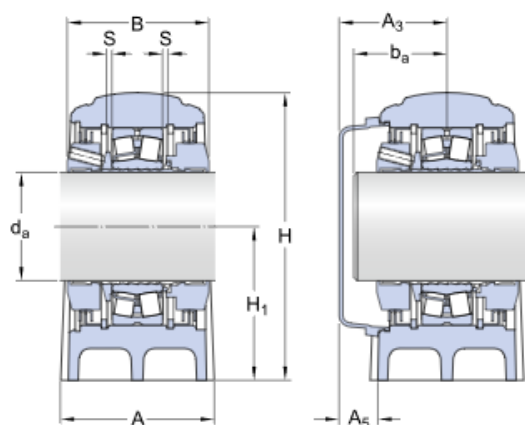


SYNT 55 LTS

Roller bearing plummer block units, for metric shafts

Technical specification



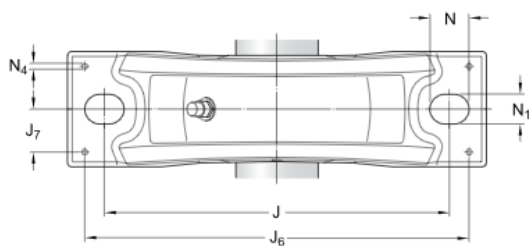
DIMENSIONS

d_a	55 mm
A	70 mm
B	65 mm
H	137 mm
H_1	70 mm
H_2	30 mm
J	210 mm
L	255 mm
N	24 mm
N_1	18 mm
S	2.5 mm

SHAFT END

A_3	66 mm
A_5	34 mm
b_a	min. 34 mm
b_a	max. 55 mm

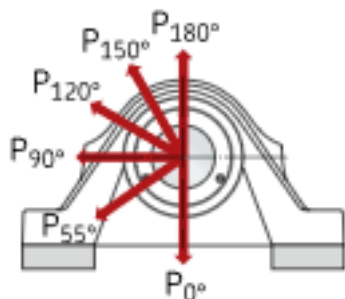
DOWEL PINS



J_6	234 mm
J_7	26 mm
N_4	max. 8 mm

CALCULATION DATA

Basic dynamic load rating	C	125 kN
Basic static load rating	C_0	137 kN
Fatigue load limit	P_u	13.7 kN
Limiting speed		4500 r/min
Calculation factor	e	0.24
Calculation factor	Y_1	2.8
Calculation factor	Y_2	4.2
Bearing mean diameter	d_m	77.5 mm
Incorporated bearing		22211 EKS



BREAKING LOADS

P_{0°	210 kN
P_{55°	350 kN
P_{90°	210 kN
P_{120°	140 kN
P_{150°	120 kN
P_{180°	150 kN

AXIAL HOLDING POWER

P_a	15 kN
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MASS

Mass bearing unit	6 kg
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MOUNTING INFORMATION

Attachment bolt diameter	G	16 mm
Tightening torque for attachment bolts		200 N·m
Grub screws		M6
Tightening torque for grub screws		8 N·m
Grease quantity for relubrication		5 g

APPROPRIATE PRODUCTS

End cover	ECY 211
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