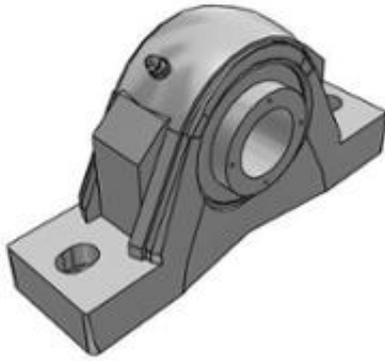
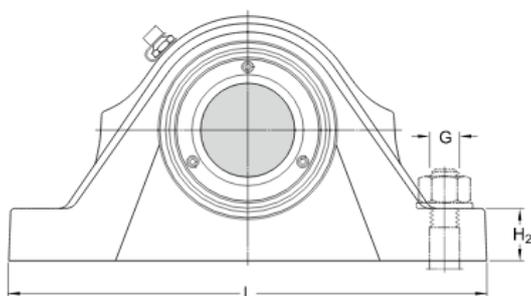
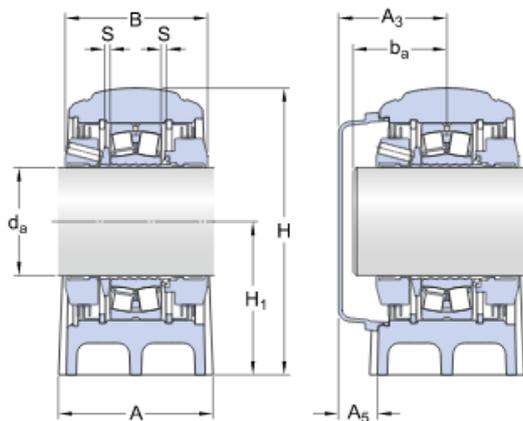


SYNT 35 LTS

Roller bearing plummer block units, for metric shafts



Technical specification



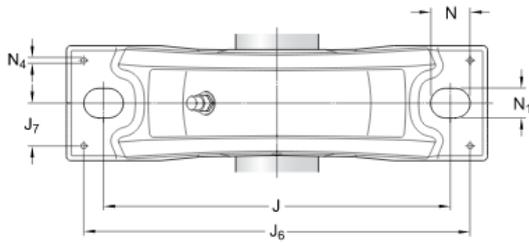
DIMENSIONS

d_a	35 mm
A	60 mm
B	65 mm
H	111 mm
H_1	60 mm
H_2	25 mm
J	170 mm
L	205 mm
N	20 mm
N_1	15 mm
S	2.5 mm

SHAFT END

A_3	50 mm
A_5	22 mm
b_a	min. 34 mm
b_a	max. 43 mm

DOWEL PINS

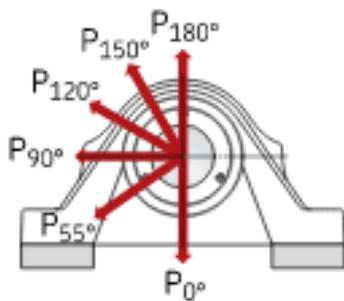


J_6	185 mm
J_7	21 mm
N_4	max. 6 mm

CALCULATION DATA

Basic dynamic load rating	C	86.5 kN
Basic static load rating	C_0	85 kN
Fatigue load limit	P_u	9.3 kN
Limiting speed		6500 r/min
Calculation factor	e	0.31
Calculation factor	Y_1	2.2
Calculation factor	Y_2	3.3
Bearing mean diameter	d_m	53.5 mm
Basic bearing designation		22207 E

BREAKING LOADS



P_{0°	150 kN
P_{55°	250 kN
P_{90°	150 kN
P_{120°	95 kN
P_{150°	85 kN
P_{180°	105 kN

AXIAL HOLDING POWER

P_a	15 kN
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MASS

Mass bearing unit	3.8 kg
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MOUNTING INFORMATION

Attachment bolt diameter	G	12 mm
Tightening torque for attachment bolts		80 N·m
Grub screws	3 x M 6	
Tightening torque for grub screws		8 N·m
Grease quantity for relubrication		3 g

APPROPRIATE PRODUCTS

End cover	ECY 207
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