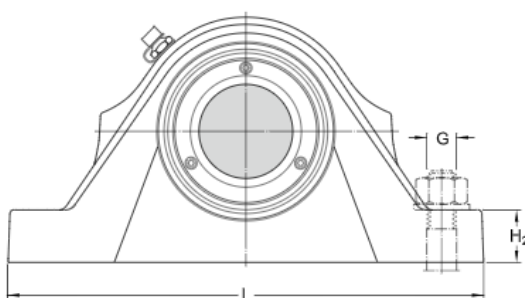
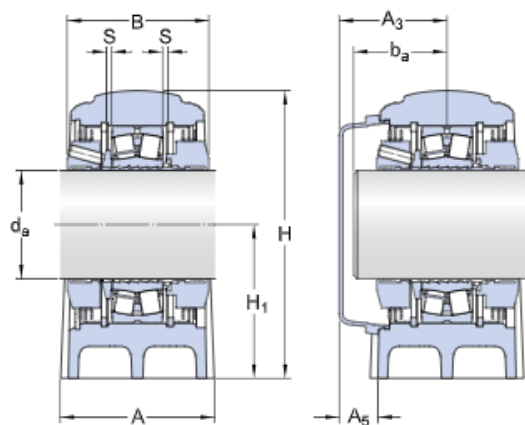


SYNT 45 LTS

Roller bearing plummer block units, for metric shafts

Technical specification



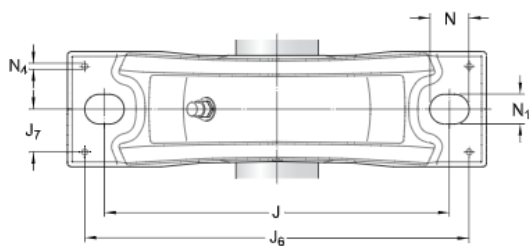
DIMENSIONS

d_a	45 mm
A	60 mm
B	65 mm
H	118 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	52 mm
A_5	23 mm
b_a	min. 34 mm
b_a	max. 43 mm

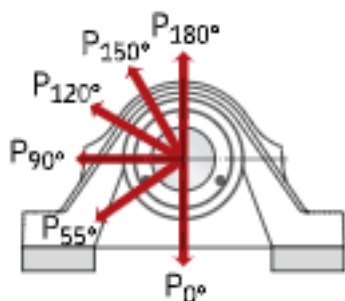
DOWEL PINS



J_6	185 mm
J_7	21 mm
N_4	max. 6 mm

CALCULATION DATA

Basic dynamic load rating	C	102 kN
Basic static load rating	C_0	98 kN
Fatigue load limit	P_u	10.8 kN
Limiting speed		5 400 r/min
Calculation factor	e	0.26
Calculation factor	Y_1	2.6
Calculation factor	Y_2	3.9
Bearing mean diameter	d_m	65 mm
Incorporated bearing		22209 EKS



LOAD CARRYING ABILITY

BREAKING LOADS

P_0°	170 kN
P_{55°	280 kN
P_{90°	170 kN
P_{120°	110 kN
P_{150°	100 kN
P_{180°	115 kN

AXIAL HOLDING POWER

P_a

15 kN

MASS

Mass bearing unit

4 kg

MOUNTING INFORMATION

Attachment bolt diameter

G

12 mm

Tightening torque for attachment bolts

80 N·m

Grub screws

M6

Tightening torque for grub screws

8 N·m

Grease quantity for relubrication

4 g

APPROPRIATE PRODUCTS

End cover

ECY 209

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