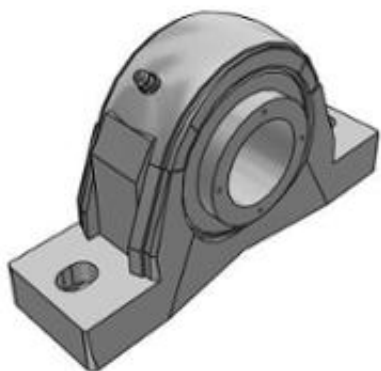
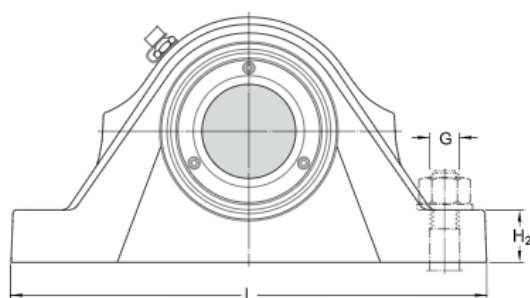
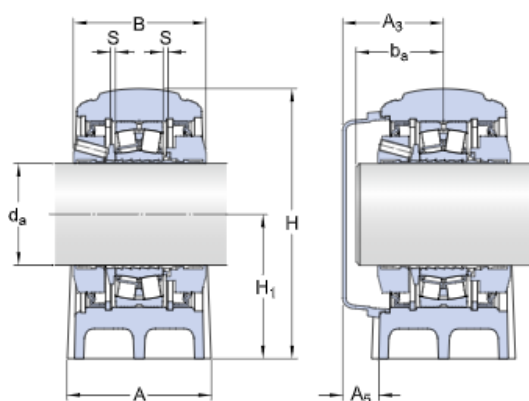


## SYNT 45 L

Roller bearing plummer block units, for metric shafts



## Technical specification



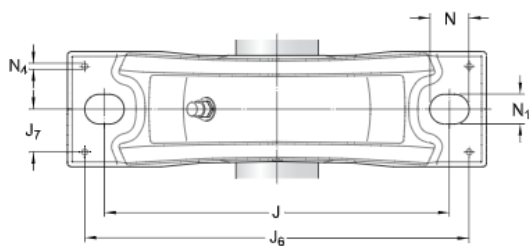
## DIMENSIONS

$d_a$	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

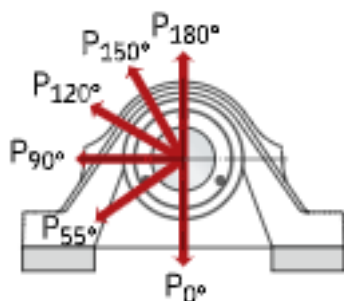
## DOWEL PINS



$J_6$	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		3 500 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

$P_0^\circ$	170 kN
$P_{55^\circ}$	280 kN
$P_{90^\circ}$	170 kN
$P_{120^\circ}$	110 kN
$P_{150^\circ}$	100 kN
$P_{180^\circ}$	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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