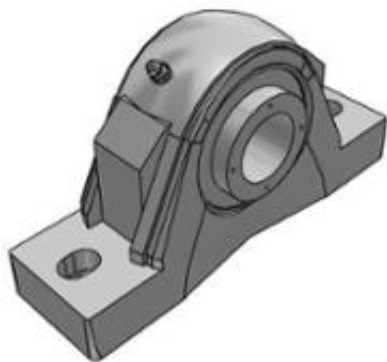
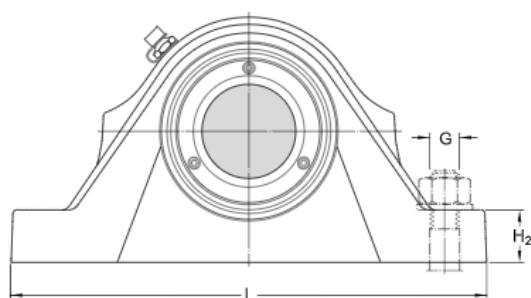
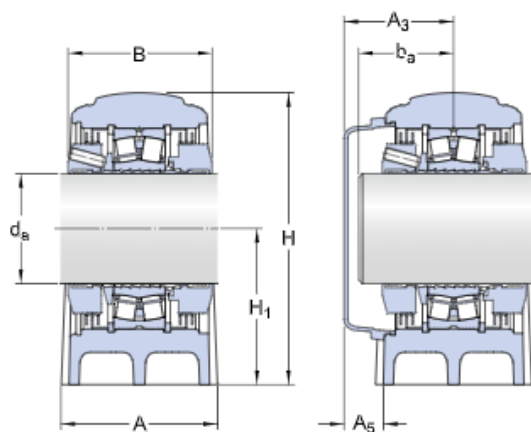


# SYNT 35 FTS

Roller bearing plummer block units, for metric shafts



## Technical specification



## DIMENSIONS

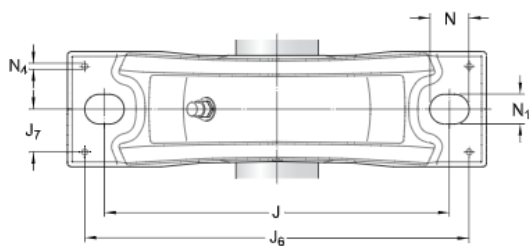
$d_a$	35 mm
A	60 mm
B	65 mm
H	111 mm
$H_1$	60 mm
$H_2$	25 mm
J	170 mm
L	205 mm
N	20 mm
$N_1$	15 mm

## 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
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$J_7$	21 mm
$N_4$	max. 6 mm

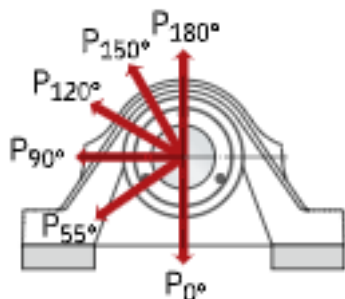
## CALCULATION DATA

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		6 500 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
Incorporated bearing		22207 EKS

## LOAD CARRYING ABILITY

### BREAKING LOADS

$P_{0^\circ}$	150 kN
$P_{55^\circ}$	250 kN
$P_{90^\circ}$	150 kN
$P_{120^\circ}$	95 kN
$P_{150^\circ}$	85 kN
$P_{180^\circ}$	105 kN



### AXIAL HOLDING POWER

$P_a$ 

15 kN

## MASS

Mass bearing unit

3.8 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

3 g

## APPROPRIATE PRODUCTS

End cover

ECY 207

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