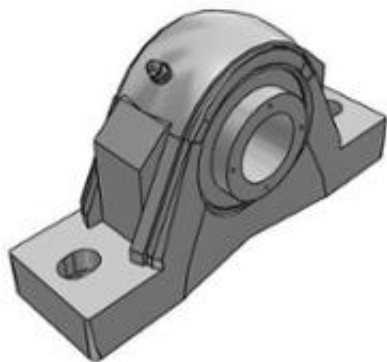
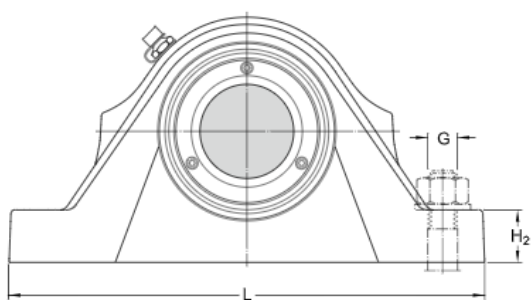
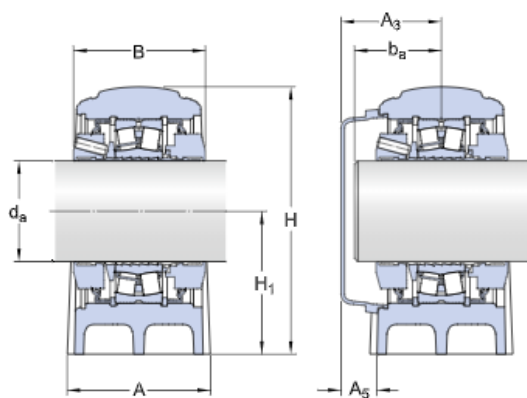


## SYNT 35 F

Roller bearing plummer block units, for metric shafts



## Technical specification



## DIMENSIONS

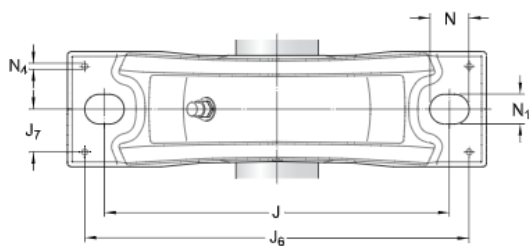
|       |        |
|-------|--------|
| $d_a$ | 35 mm  |
| A     | 60 mm  |
| B     | 65 mm  |
| H     | 111 mm |
| $H_1$ | 60 mm  |
| $H_2$ | 25 mm  |
| J     | 170 mm |
| L     | 205 mm |
| N     | 20 mm  |
| $N_1$ | 15 mm  |

## 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 |
|-------|--------|



|       |           |
|-------|-----------|
| $J_7$ | 21 mm     |
| $N_4$ | max. 6 mm |

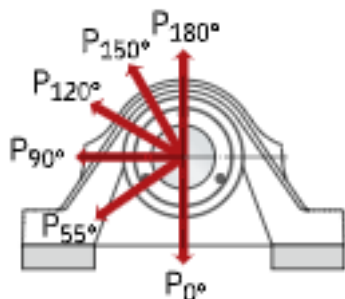
## CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| 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            |       | 4 100 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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