

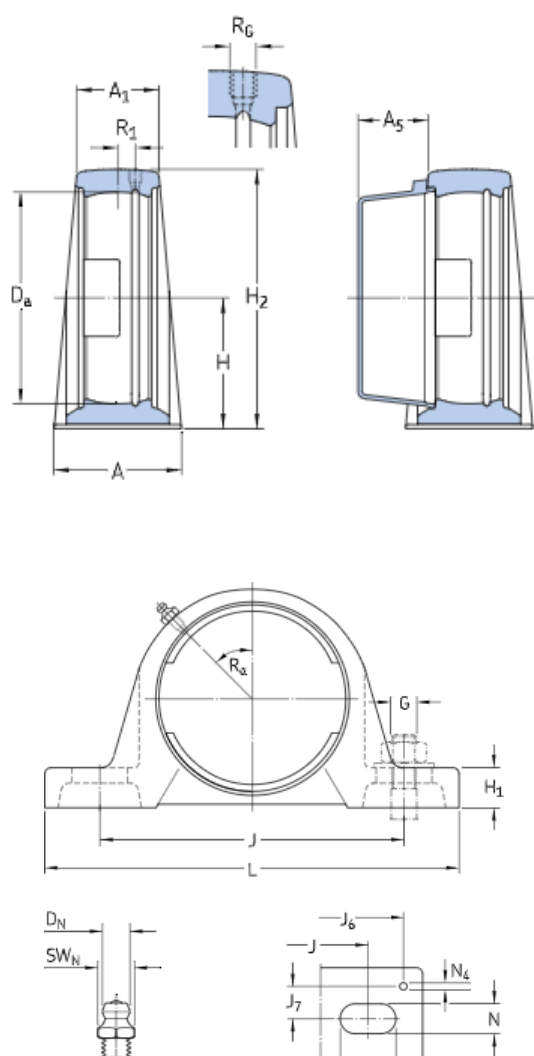
## SY 510 M

Pillow block housings for insert bearings

### Technical specification

Material

Cast iron



### DIMENSIONS

|       |             |
|-------|-------------|
| $D_a$ | 90 mm       |
| A     | 54 mm       |
| $A_1$ | 34 mm       |
| $A_5$ | 33 mm       |
| H     | 57.2 mm     |
| $H_1$ | 22 mm       |
| $H_2$ | 114 mm      |
| J     | 157 mm      |
| J     | max. 165 mm |
| J     | min. 149 mm |
| L     | 203 mm      |
| N     | 18 mm       |
| $N_1$ | 26 mm       |

### THREADED HOLE

|            |            |
|------------|------------|
| $R_G$      | 1/4-28 UNF |
| $R_1$      | 4 mm       |
| $R_\alpha$ | 45 °       |

## GREASE FITTING

|        |               |
|--------|---------------|
| $D_N$  | 6.5 mm        |
| $SW_N$ | 7 mm          |
| $G_N$  | 1/4-28 SAE-LT |

## DOWEL PINS

|       |        |
|-------|--------|
| $J_6$ | 187 mm |
| $J_7$ | 19 mm  |
| $N_4$ | 4 mm   |

## MASS

|              |        |
|--------------|--------|
| Mass housing | 1.9 kg |
|--------------|--------|

## MOUNTING INFORMATION

|   |   |          |
|---|---|----------|
| Recommended diameter for attachment bolts, mm   | G | 16 mm    |
| Recommended diameter for attachment bolts, inch | G | 0.625 in |

## ASSOCIATED PRODUCTS

|           |         |
|-----------|---------|
| End cover | ECY 210 |
|-----------|---------|

## More information

## Product details

[Pillow block units to ISO standards](#)

[Pillow block units to North American standards](#)

[Pillow block units to Japanese Industrial Standards \(JIS\)](#)

[Pillow block units, not standardized \(incl. SKF Food Line\)](#)

[Ball bearing unit data](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Lubrication](#)

[Mounting and dismounting](#)

[Designation system](#)

## Engineering information

[Principles of ball bearing units selection and application - Download catalogue \(4.9 MB\)](#)

[Principles of selecting mounted bearing solutions](#)

[Bearing failure and how to prevent it](#)

## Tools

[Bearing Select](#)

[Engineering Calculator](#)

[Rolling bearings mounting and dismounting instructions](#)

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