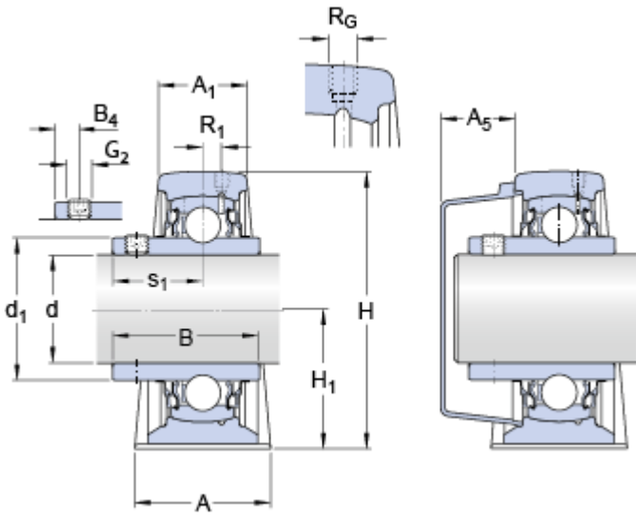
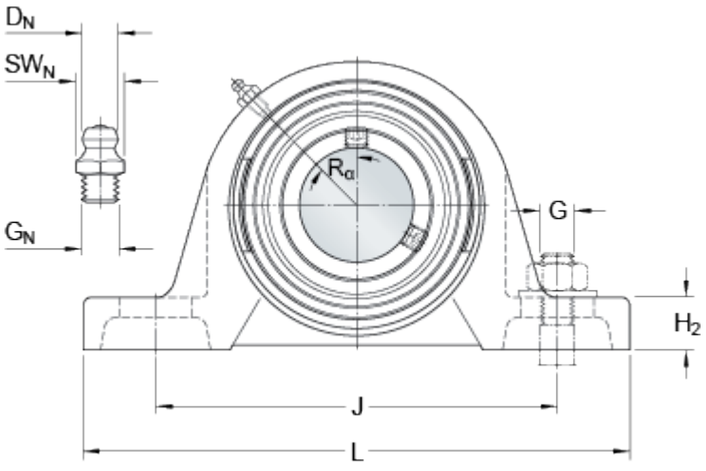
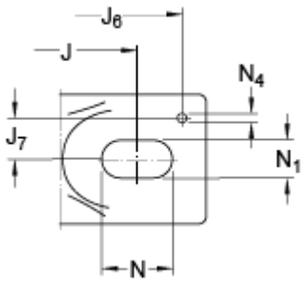
# SY 50 TR

| | |
|---|---|
| Compliance with standard | ISO |
| Housing material | Cast iron |
| Sealing solution | Multiple seals |

## Dimensions




| | | | |
|---|---|---|---|
| d | | 50 | mm |
| $d_1$ | ≈ | 62.51 | mm |
| A | | 54 | mm |
| $A_1$ | | 34 | mm |
| $A_5$ | | 33 | mm |
| B | | 51.6 | mm |
| $B_4$ | | 9 | mm |
| H | | 114 | mm |
| $H_1$ | | 57.2 | mm |
| $H_2$ | | 22 | mm |
| J | | 157 | mm |
| J | max. | 165 | mm |
| J | min. | 149 | mm |
| L | | 203 | mm |
| N | | 26 | mm |
| $N_1$ | | 18 | mm |
| $s_1$ | | 32.6 | 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 |

## Calculation data

| | | | |
|---|---|---|---|
| Basic dynamic load rating | C | 35.1 | kN |
| Basic static load rating | $C_0$ | 23.2 | kN |
| Fatigue load limit | $P_u$ | 0.98 | kN |
| Limiting speed | | 2200 | r/min |
| with shaft tolerance h6 | | | |

## Mass

| | | | |
|---|---|---|---|
| Mass bearing unit | | 2.65 | kg |

## Mounting information

| | | | |
|---|---|---|---|
| Thread grub screw | $G_2$ | M10x1 | |
| Hexagonal key size for grub screw | N | 5 | mm |
| Recommended tightening torque for grub screw | | 16.5 | N·m |
| Recommended diameter for attachment bolts, mm | G | 16 | mm |
| Recommended diameter for attachment bolts, inch | G | 0.625 | in |

## Included products

| | |
|---|---|
| Housing | SY 510 M |
| Bearing | YAR 210-2RF |

## Associated products

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