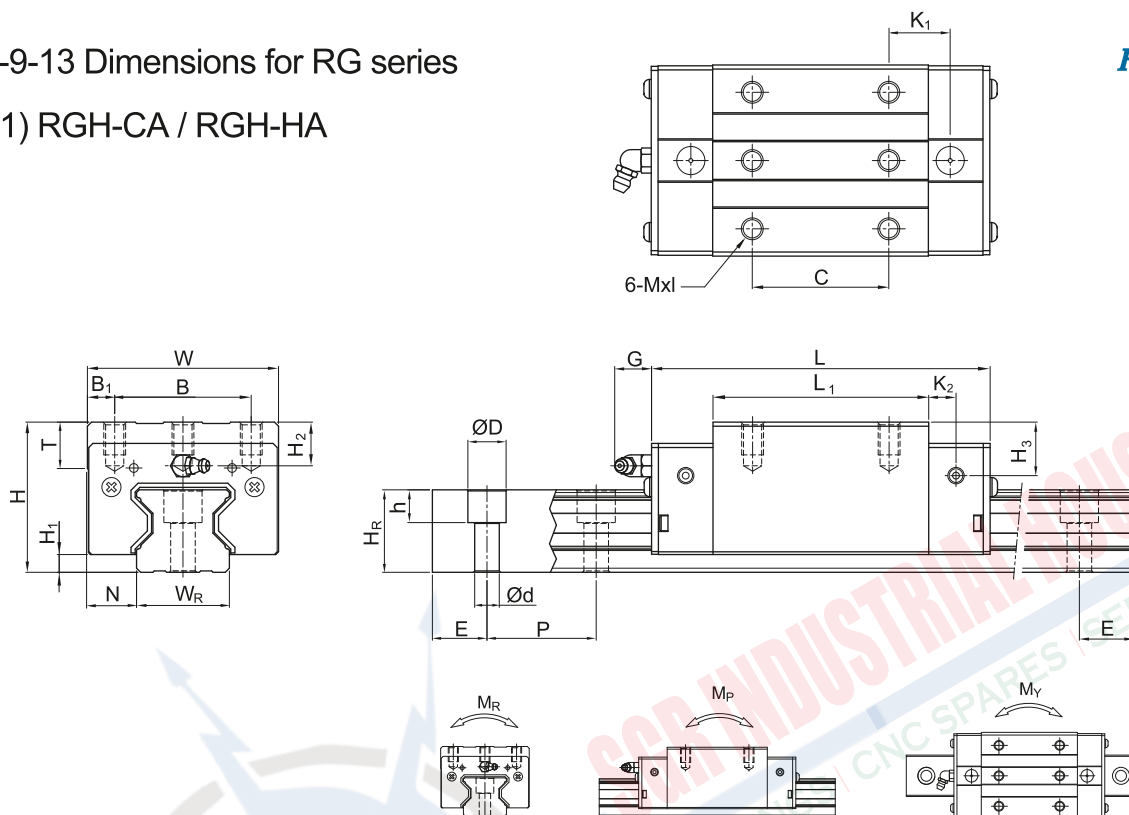


## RG SERIES – HIGH RIGIDITY ROLLER TYPE LINEAR GUIDEWAY

### 2-9-13 Dimensions for RG series

#### (1) RGH-CA / RGH-HA

**HIWIN**


| Model No.             | Dimensions of Assembly (mm) |                |      | Dimensions of Block (mm) |                |                |       |                |       |                |                |      |         |      |                |                |                | Dimensions of Rail (mm) |     |     |     |      |      | Mounting Bolt for Rail | Basic Dynamic Load Rating | Basic Static Load Rating | Static Rated Moment |       |       | Weight |       |
|-----------------------|-----------------------------|----------------|------|--------------------------|----------------|----------------|-------|----------------|-------|----------------|----------------|------|---------|------|----------------|----------------|----------------|-------------------------|-----|-----|-----|------|------|------------------------|---------------------------|--------------------------|---------------------|-------|-------|--------|-------|
|                       |                             |                |      | M <sub>R</sub>           | M <sub>P</sub> | M <sub>Y</sub> | Block | Rail           |       |                |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        |                           |                          |                     |       |       |        |       |
|                       | H                           | H <sub>1</sub> | N    | W                        | B              | B <sub>1</sub> | C     | L <sub>1</sub> | L     | K <sub>1</sub> | K <sub>2</sub> | G    | MxL     | T    | H <sub>2</sub> | H <sub>3</sub> | W <sub>R</sub> | H <sub>R</sub>          | D   | h   | d   | P    | E    | (mm)                   | C(kN)                     | C <sub>0</sub> (kN)      | kN-m                | kN-m  | kN-m  | kg     | kg/m  |
| RGH 15CA              | 28                          | 4              | 9.5  | 34                       | 26             | 4              | 26    | 45             | 68    | 13.4           | 4.7            | 5.3  | M4 x 8  | 6    | 7.6            | 10.1           | 15             | 16.5                    | 7.5 | 5.7 | 4.5 | 30   | 20   | M4 x16                 | 11.3                      | 24                       | 0.311               | 0.173 | 0.20  | 1.70   |       |
| RGH 20CA              | 34                          | 5              | 12   | 44                       | 32             | 6              | 36    | 57.5           | 86    | 15.8           | 6              | 5.3  | M5 x 8  | 8    | 8.3            | 8.3            | 20             | 21                      | 9.5 | 8.5 | 6   | 30   | 20   | M5 x20                 | 21.3                      | 46.7                     | 0.647               | 0.46  | 0.46  | 0.40   | 2.66  |
| RGH 20HA              |                             |                |      |                          |                |                | 50    | 77.5           | 106   | 18.8           |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 26.9                      | 63                       | 0.872               | 0.837 | 0.837 | 0.53   |       |
| RGH 25CA              | 40                          | 5.5            | 12.5 | 48                       | 35             | 6.5            | 35    | 64.5           | 97.9  | 20.75          | 7.25           | 12   | M6 x 8  | 9.5  | 10.2           | 10             | 23             | 23.6                    | 11  | 9   | 7   | 30   | 20   | M6 x20                 | 27.7                      | 57.1                     | 0.758               | 0.605 | 0.605 | 0.61   | 3.08  |
| RGH 25HA              |                             |                |      |                          |                |                | 50    | 81             | 114.4 | 21.5           |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 33.9                      | 73.4                     | 0.975               | 0.991 | 0.991 | 0.75   |       |
| RGH 30CA              | 45                          | 6              | 16   | 60                       | 40             | 10             | 40    | 71             | 109.8 | 23.5           | 8              | 12   | M8 x10  | 9.5  | 9.5            | 10.3           | 28             | 28                      | 14  | 12  | 9   | 40   | 20   | M8 x25                 | 39.1                      | 82.1                     | 1.445               | 1.06  | 1.06  | 0.90   | 4.41  |
| RGH 30HA              |                             |                |      |                          |                |                | 60    | 93             | 131.8 | 24.5           |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 48.1                      | 105                      | 1.846               | 1.712 | 1.712 | 1.16   |       |
| RGH 35CA              | 55                          | 6.5            | 18   | 70                       | 50             | 10             | 50    | 79             | 124   | 22.5           | 10             | 12   | M8 x12  | 12   | 16             | 19.6           | 34             | 30.2                    | 14  | 12  | 9   | 40   | 20   | M8 x25                 | 57.9                      | 105.2                    | 2.17                | 1.44  | 1.44  | 1.57   | 6.06  |
| RGH 35HA              |                             |                |      |                          |                |                | 72    | 106.5          | 151.5 | 25.25          |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 73.1                      | 142                      | 2.93                | 2.6   | 2.6   | 2.06   |       |
| RGH 45CA              | 70                          | 8              | 20.5 | 86                       | 60             | 13             | 60    | 106            | 153.2 | 31             | 10             | 12.9 | M10x17  | 16   | 20             | 24             | 45             | 38                      | 20  | 17  | 14  | 52.5 | 22.5 | M12 x35                | 92.6                      | 178.8                    | 4.52                | 3.05  | 3.05  | 3.18   | 9.97  |
| RGH 45HA              |                             |                |      |                          |                |                | 80    | 139.8          | 187   | 37.9           |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 116                       | 230.9                    | 6.33                | 5.47  | 5.47  | 4.13   |       |
| RGH 55CA              | 80                          | 10             | 23.5 | 100                      | 75             | 12.5           | 75    | 125.5          | 183.7 | 37.75          | 12.5           | 12.9 | M12x18  | 17.5 | 22             | 27.5           | 53             | 44                      | 23  | 20  | 16  | 60   | 30   | M14 x45                | 130.5                     | 252                      | 8.01                | 5.4   | 5.4   | 4.89   | 13.98 |
| RGH 55HA              |                             |                |      |                          |                |                | 95    | 173.8          | 232   | 51.9           |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 167.8                     | 348                      | 11.15               | 10.25 | 10.25 | 6.68   |       |
| RGH 65CA              | 90                          | 12             | 31.5 | 126                      | 76             | 25             | 70    | 160            | 232   | 60.8           | 15.8           | 12.9 | M16 x20 | 25   | 15             | 15             | 63             | 53                      | 26  | 22  | 18  | 75   | 35   | M16x50                 | 213                       | 411.6                    | 16.20               | 11.59 | 11.59 | 8.89   | 20.22 |
| RGH 65HA              |                             |                |      |                          |                |                | 120   | 223            | 295   | 67.3           |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        | 275.3                     | 572.7                    | 22.55               | 22.17 | 22.17 | 12.13  |       |
| Note : 1 kgf = 9.81 N |                             |                |      |                          |                |                |       |                |       |                |                |      |         |      |                |                |                |                         |     |     |     |      |      |                        |                           |                          |                     |       |       |        |       |

Note : 1 kgf = 9.81 N