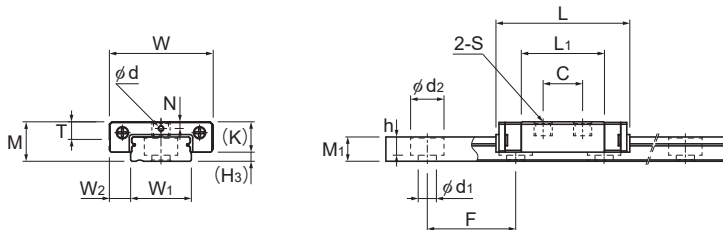
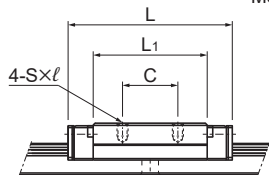


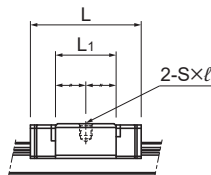
# Models RSX-WSM, RSX-WM, and RSX-WNM



Models RSX5WM/WMN



Models RSX7 to 12WNM



Models RSX7 to 12WSM

| Model No. | Outer dimensions |       |        | LM block dimensions |     |            |                |     |     |     |   |                  |               |     | H <sub>3</sub> |
|-----------|------------------|-------|--------|---------------------|-----|------------|----------------|-----|-----|-----|---|------------------|---------------|-----|----------------|
|           | Height           | Width | Length |                     |     |            |                |     |     |     |   | Lubrication hole | Grease nipple |     |                |
|           | M                | W     | L      | B                   | C   | S×ℓ        | L <sub>1</sub> | T   | K   | N   | E | d                |               |     |                |
| RSX 5WM   | 6.5              | 17    | 22.1   | —                   | 6.5 | M3 through | 13.7           | —   | 5   | 1.1 | — | 0.8              | —             | 1.5 |                |
| RSX 5WNM  | 6.5              | 17    | 28.1   | —                   | 11  | M3 through | 19.7           | —   | 5   | 1.1 | — | 0.8              | —             | 1.5 |                |
| RSX 7WSM  | 9                | 25    | 22.5   | 19                  | —   | M3×2.8     | 11.9           | —   | 7   | 1.8 | — | 1.2              | —             | 2   |                |
| RSX 7WM   | 9                | 25    | 31     | 19                  | 10  | M3×2.8     | 20.4           | —   | 7   | 1.8 | — | 1.2              | —             | 2   |                |
| RSX 7WNM  | 9                | 25    | 40.9   | 19                  | 17  | M3×2.8     | 30.3           | —   | 7   | 1.8 | — | 1.2              | —             | 2   |                |
| RSX 9WSM  | 12               | 30    | 26.5   | 21                  | —   | M3×2.8     | 14.5           | —   | 8.3 | 2.3 | — | 1.6              | —             | 3.7 |                |
| RSX 9WM   | 12               | 30    | 39     | 21                  | 12  | M3×2.8     | 27             | —   | 8.3 | 2.3 | — | 1.6              | —             | 3.7 |                |
| RSX 9WNM  | 12               | 30    | 50.7   | 23                  | 24  | M3×2.8     | 38.7           | —   | 8.3 | 2.3 | — | 1.6              | —             | 3.7 |                |
| RSX 12WSM | 14               | 40    | 30.5   | 28                  | —   | M3×3.5     | 16.9           | 4.5 | 10  | 3   | — | 2                | —             | 4   |                |
| RSX 12WM  | 14               | 40    | 44.5   | 28                  | 15  | M3×3.5     | 30.9           | 4.5 | 10  | 3   | — | 2                | —             | 4   |                |
| RSX 12WNM | 14               | 40    | 59.5   | 28                  | 28  | M3×3.5     | 45.9           | 4.5 | 10  | 3   | — | 2                | —             | 4   |                |
| RSX 15WSM | 16               | 60    | 41.5   | 45                  | —   | M4×4.5     | 24.9           | 5.6 | 12  | 3   | 4 | —                | PB107         | 4   |                |
| RSX 15WM  | 16               | 60    | 55.5   | 45                  | 20  | M4×4.5     | 38.9           | 5.6 | 12  | 3   | 4 | —                | PB107         | 4   |                |
| RSX 15WNM | 16               | 60    | 74.5   | 45                  | 35  | M4×4.5     | 57.9           | 5.6 | 12  | 3   | 4 | —                | PB107         | 4   |                |

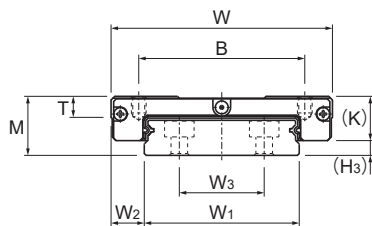
Note) Since stainless steel is used in the LM block, LM rail, and balls, these models are highly resistant to corrosion and environment. Using a lubrication hole for anything other than greasing may cause damage.

## Model number coding

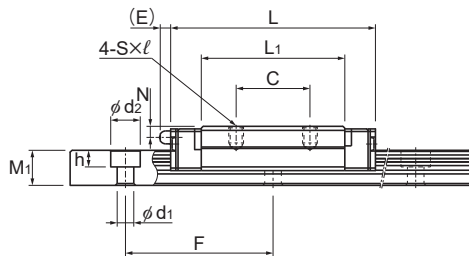
|                                        |                |                                           |                                                                     |                        |                                                                                            |                         |                                                |
|----------------------------------------|----------------|-------------------------------------------|---------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------|
| <b>2</b>                               | <b>RSX12WM</b> | <b>UU</b>                                 | <b>C1</b>                                                           | <b>+230L</b>           | <b>P</b>                                                                                   | <b>M</b>                | <b>-II</b>                                     |
| No. of LM blocks used on the same rail | Model number   | Contamination protection accessory symbol | Radial clearance symbol<br>Normal (No symbol)<br>Light preload (C1) | LM rail length (in mm) | Accuracy symbol<br>Normal grade (No Symbol)/High accuracy grade (H)<br>Precision grade (P) | Stainless steel LM rail | Symbol for No. of rails used on the same plane |

Note) This model number indicates that a single-rail unit constitutes one set. (i.e., required number of sets when 2 rails are used in parallel is 2 at a minimum.)

No symbol for single LM block. See **A1-545** for contamination protection accessories. See **A1-73** for radial clearance symbol. See **A1-85** for accuracy symbol. See **A1-13** for symbol for number of rails used on the same plane.



Models RSX15WM/WNM



Model RSX15WSM

Unit: mm

|  | LM rail dimensions                                     |       |       |        |       |                           |         | Basic load rating |                | Static permissible moment N·m*                                                    |          |                                                                                   |          |                                                                                   | Mass     |         |
|--|--------------------------------------------------------|-------|-------|--------|-------|---------------------------|---------|-------------------|----------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|----------|---------|
|  | Width                                                  |       |       | Height | Pitch |                           | Length* | C                 | C <sub>0</sub> |  |          |  |          |  | LM block | LM rail |
|  | $W_1 \begin{smallmatrix} 0 \\ -0.02 \end{smallmatrix}$ | $W_2$ | $W_3$ | $M_1$  | F     | $d_1 \times d_2 \times h$ | Max     | kN                | kN             | 1 block                                                                           | 2 blocks | 1 block                                                                           | 2 blocks | 1 block                                                                           | kg       | kg/m    |
|  | 10                                                     | 3.5   | —     | 4      | 20    | 3×5.5×3                   | 220     | 0.5               | 0.82           | 1.79                                                                              | 11.1     | 2.1                                                                               | 13       | 4.18                                                                              | 0.006    | 0.276   |
|  | 10                                                     | 3.5   | —     | 4      | 20    | 3×5.5×3                   | 220     | 0.64              | 1.17           | 3.54                                                                              | 19.6     | 4.15                                                                              | 23       | 5.97                                                                              | 0.008    | 0.276   |
|  | 14                                                     | 5.5   | —     | 5.2    | 30    | 3.5×6×3.2                 | 480     | 1.06              | 1.35           | 2.58                                                                              | 20       | 2.96                                                                              | 23.1     | 9.95                                                                              | 0.011    | 0.54    |
|  | 14                                                     | 5.5   | —     | 5.2    | 30    | 3.5×6×3.2                 | 480     | 1.63              | 2.51           | 8.08                                                                              | 46.9     | 9.32                                                                              | 54.2     | 18.5                                                                              | 0.018    | 0.54    |
|  | 14                                                     | 5.5   | —     | 5.2    | 30    | 3.5×6×3.2                 | 480     | 2.12              | 3.66           | 16.6                                                                              | 87.7     | 19.2                                                                              | 101      | 27                                                                                | 0.027    | 0.54    |
|  | 18                                                     | 6     | —     | 7.5    | 30    | 3.5×6×4.5                 | 1430    | 1.73              | 2.14           | 5.15                                                                              | 36.9     | 5.92                                                                              | 42.6     | 20.2                                                                              | 0.018    | 1.01    |
|  | 18                                                     | 6     | —     | 7.5    | 30    | 3.5×6×4.5                 | 1430    | 2.8               | 4.28           | 18.5                                                                              | 99.3     | 21.4                                                                              | 115      | 40.5                                                                              | 0.035    | 1.01    |
|  | 18                                                     | 6     | —     | 7.5    | 30    | 3.5×6×4.5                 | 1430    | 3.48              | 5.81           | 33.2                                                                              | 172      | 38.3                                                                              | 199      | 54.9                                                                              | 0.048    | 1.01    |
|  | 24                                                     | 8     | —     | 8.5    | 40    | 4.5×8×4.5                 | 2000    | 3.05              | 3.68           | 11.1                                                                              | 72.6     | 11.1                                                                              | 72.6     | 46.2                                                                              | 0.033    | 1.52    |
|  | 24                                                     | 8     | —     | 8.5    | 40    | 4.5×8×4.5                 | 2000    | 4.46              | 6.31           | 30                                                                                | 171      | 30                                                                                | 171      | 79.2                                                                              | 0.075    | 1.52    |
|  | 24                                                     | 8     | —     | 8.5    | 40    | 4.5×8×4.5                 | 2000    | 5.93              | 9.46           | 64.7                                                                              | 332      | 64.7                                                                              | 332      | 119                                                                               | 0.091    | 1.52    |
|  | 42                                                     | 9     | 23    | 9.5    | 40    | 4.5×8×4.5                 | 2000    | 5.59              | 6.78           | 29                                                                                | 178      | 29                                                                                | 178      | 140                                                                               | 0.083    | 2.87    |
|  | 42                                                     | 9     | 23    | 9.5    | 40    | 4.5×8×4.5                 | 2000    | 7.43              | 10.1           | 61.4                                                                              | 343      | 61.4                                                                              | 343      | 211                                                                               | 0.17     | 2.87    |
|  | 42                                                     | 9     | 23    | 9.5    | 40    | 4.5×8×4.5                 | 2000    | 9.87              | 15.2           | 133                                                                               | 670      | 133                                                                               | 670      | 316                                                                               | 0.195    | 2.87    |

Note1) The maximum length under "Length\*" indicates the standard maximum length of an LM rail. (See **A1-262**.)

Static permissible moment\* 1 block: The static permissible moment with one LM block

2 blocks: Static permissible moment when two LM blocks are in close contact with each other

Total block length L

: The total block length L shown in the table is the length with the dust-proof parts (code: UU).

Note2) The basic load rating in the dimension table is for a load in the radial direction. Use Table 7 on **A1-61** to calculate the load rating for loads in the reverse-radial direction or lateral direction.