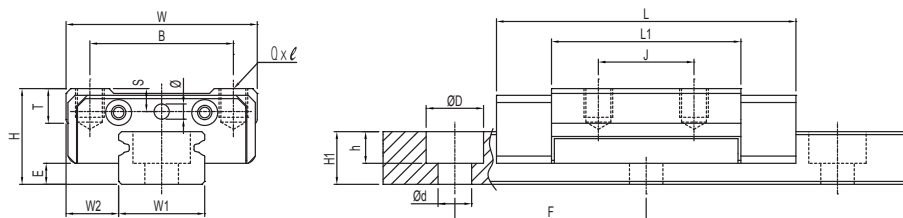
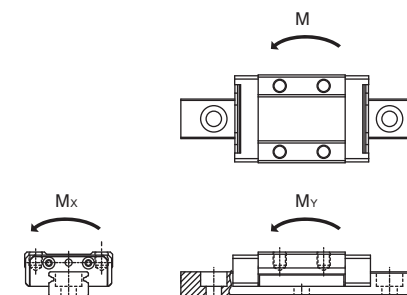


# TM-N Specification

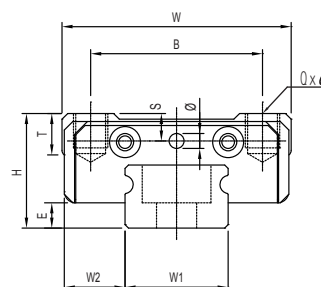
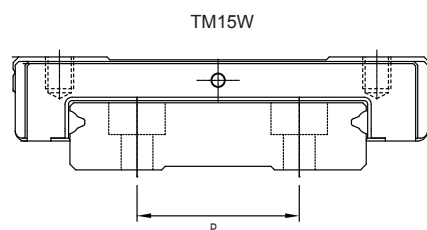


| Model No. | Assembly(mm) |     |     | Rail(mm) |    |    |      |      |      |        | Block(mm) |    |     |     |     |     |    |
|-----------|--------------|-----|-----|----------|----|----|------|------|------|--------|-----------|----|-----|-----|-----|-----|----|
|           | H            | W2  | E   | W        | B  | J  | T    | L    | L1   | Qxℓ    | Φ         | W1 | H1  | ΦD  | h   | Φd  | F  |
| TM07NN    | 8            | 5   | 1.5 | 17       | 12 | 8  | 2.25 | 23   | 12.3 | M2x2   | 1.3       | 7  | 4.7 | 4.2 | 2.3 | 2.4 | 15 |
| TM07NL    | 8            | 5   | 1.5 | 17       | 12 | 13 | 2.25 | 31   | 20.3 | M2x2   | 1.3       | 7  | 4.7 | 4.2 | 2.3 | 2.4 | 15 |
| TM09NN    | 10           | 5.5 | 2.2 | 20       | 15 | 10 | 3.62 | 30.5 | 19.8 | M3x3   | 1.3       | 9  | 5.5 | 6   | 3.3 | 3.5 | 20 |
| TM09NL    | 10           | 5.5 | 2.2 | 20       | 15 | 16 | 3.62 | 40.8 | 30.1 | M3x3   | 1.3       | 9  | 5.5 | 6   | 3.3 | 3.5 | 20 |
| TM12NN    | 13           | 7.5 | 3   | 27       | 20 | 15 | 4.54 | 35   | 20.6 | M3x3.5 | 1.3       | 12 | 7.5 | 6   | 4.5 | 3.5 | 25 |
| TM12NL    | 13           | 7.5 | 3   | 27       | 20 | 20 | 4.54 | 47.5 | 33.1 | M3x3.5 | 1.3       | 12 | 7.5 | 6   | 4.5 | 3.5 | 25 |
| TM15NN    | 16           | 8.5 | 4   | 32       | 25 | 20 | 5.86 | 43   | 27   | M3x5   | 1.3       | 15 | 9.5 | 6   | 4.5 | 3.5 | 40 |
| TM15NL    | 16           | 8.5 | 4   | 32       | 25 | 25 | 5.86 | 60   | 44   | M3x5   | 1.3       | 15 | 9.5 | 6   | 4.5 | 3.5 | 40 |

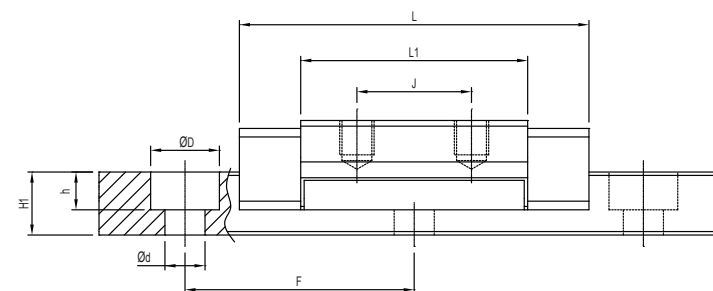


| Model No. | Rating Load (kgf) |       | Static permissible moment of load |              |              |              |              |              | Weight     |             |
|-----------|-------------------|-------|-----------------------------------|--------------|--------------|--------------|--------------|--------------|------------|-------------|
|           | C                 | Co    | Mx(kgf-mm)                        |              | My(kgf-mm)   |              | Mz(kgf-mm)   |              | Block (kg) | Rail (kg/m) |
|           |                   |       | Single Block                      | Double Block | Single Block | Double Block | Single Block | Double Block |            |             |
| TM07NN    | 144               | 204   | 745                               | 232          | 3,234        | 232          | 3,234        | 0.005        | 0.21       |             |
| TM07NL    | 220               | 374   | 1,367                             | 849          | 7,261        | 849          | 7,261        | 0.009        |            |             |
| TM09NN    | 220               | 374   | 1,713                             | 849          | 7,117        | 849          | 7,117        | 0.013        | 0.32       |             |
| TM09NL    | 299               | 579   | 2,648                             | 2,099        | 14,174       | 2,099        | 14,174       | 0.020        |            |             |
| TM12NN    | 381               | 536   | 3,269                             | 1,094        | 12,391       | 1,094        | 12,391       | 0.024        | 0.61       |             |
| TM12NL    | 555               | 919   | 5,604                             | 3,437        | 26,857       | 3,437        | 26,857       | 0.039        |            |             |
| TM15NN    | 581               | 834   | 6,336                             | 2,316        | 23,096       | 2,316        | 23,096       | 0.048        | 1          |             |
| TM15NL    | 860               | 1,459 | 11,088                            | 7,527        | 52,908       | 7,527        | 52,908       | 0.080        |            |             |

# TM-W Specification



| Model No. | Assembly(mm) |    |     | Rail(mm) |    |    |     |      |      |        | Block(mm) |    |     |    |     |     |    |
|-----------|--------------|----|-----|----------|----|----|-----|------|------|--------|-----------|----|-----|----|-----|-----|----|
|           | H            | W2 | E   | W        | B  | J  | T   | L    | L1   | Qxℓ    | Φ         | W1 | H1  | ΦD | h   | Φd  | F  |
| TM09WN    | 12           | 6  | 3.4 | 30       | 23 | 12 | 4   | 39.1 | 26.7 | M3x3   | 1.3       | 18 | 7.3 | 6  | 4.5 | 3.5 | 30 |
| TM09WL    | 12           | 6  | 3.4 | 30       | 23 | 24 | 4   | 50.7 | 38.3 | M3x3   | 1.3       | 18 | 7.3 | 6  | 4.5 | 3.5 | 30 |
| TM12WN    | 14           | 8  | 3.9 | 40       | 28 | 15 | 4.5 | 44.4 | 29   | M3x3.5 | 1.3       | 24 | 8.5 | 8  | 4.5 | 4.5 | 40 |
| TM12WL    | 14           | 8  | 3.9 | 40       | 28 | 28 | 4.5 | 59.4 | 44   | M3x3.5 | 1.3       | 24 | 8.5 | 8  | 4.5 | 4.5 | 40 |
| TM15WN    | 16           | 9  | 4.1 | 60       | 45 | 20 | 4.8 | 55.3 | 38.5 | M4x4.5 | 1.3       | 42 | 9.5 | 8  | 4.5 | 4.5 | 40 |
| TM15WL    | 16           | 9  | 4.1 | 60       | 45 | 35 | 4.8 | 74.4 | 57.6 | M4x4.5 | 1.3       | 42 | 9.5 | 8  | 4.5 | 4.5 | 40 |



| Model No. | Rating Load (kgf) |      | Static permissible moment of load |              |              |              |              |              | Weight     |             |
|-----------|-------------------|------|-----------------------------------|--------------|--------------|--------------|--------------|--------------|------------|-------------|
|           | C                 | Co   | Mx(kgf-mm)                        |              | My(kgf-mm)   |              | Mz(kgf-mm)   |              | Block (kg) | Rail (kg/m) |
|           |                   |      | Single Block                      | Double Block | Single Block | Double Block | Single Block | Double Block |            |             |
| TM09WN    | 208               | 368  | 4,645                             | 1,621        | 12,205       | 1,621        | 12,205       | 0.03         | 0.97       |             |
| TM09WL    | 260               | 509  | 7,123                             | 3,905        | 23,411       | 3,905        | 23,411       | 0.043        |            |             |
| TM12WN    | 313               | 530  | 10,190                            | 2,864        | 23,153       | 2,864        | 23,153       | 0.05         | 1.47       |             |
| TM12WL    | 415               | 796  | 15,748                            | 7,083        | 46,164       | 7,083        | 46,164       | 0.076        |            |             |
| TM15WN    | 517               | 856  | 26,387                            | 5,459        | 42,543       | 5,459        | 42,543       | 0.116        | 2.85       |             |
| TM15WL    | 686               | 1283 | 41,779                            | 14,144       | 87,256       | 14,144       | 87,256       | 0.175        |            |             |