

Order example

MGRM – **40** – **50** – **N**

Model

MGRM : Countersink lock



Table width

MGRM (mm)

| | |
|-----|-----|
| 30 | 30 |
| 40 | 40 |
| 60 | 60 |
| 80 | 80 |
| 100 | 100 |

Table length

25~510 mm
(next table)

Material

– : Standard



B : Black coating



N : Antirust



S : Corrosion resisting



Table length

| Table width | Table length (mm) |
|-------------|---|
| 30 | 25, 35, 45, 55, 65, 75, 85 |
| 40 | 35, 50, 65, 80, 95, 110, 125, 140, 155, 170, 185 |
| 60 | 55, 80, 105, 130, 155, 180, 205, 230, 255, 280, 305 |
| 80 | 85, 125, 165, 205, 245, 285, 325, 365, 405 |
| 100 | 110, 160, 210, 260, 310, 360, 410, 460, 510 |

Material

| Indicate Model | Table | Rail | Retainer | Roller |
|----------------|--------------------------------|---------|----------|---------|
| MGRM | Aluminum alloy+ Black anodized | SUJ2 | SUS304 | SUJ2 |
| MGRM-N | S50C+Ni | SUJ2+Ni | SUS304 | SUJ2 |
| MGRM-B | S50C+Phosphate | SUJ2 | SUS304 | SUJ2 |
| MGRM-S | SUS440C+Ni | SUS304 | SUS304 | SUS440C |

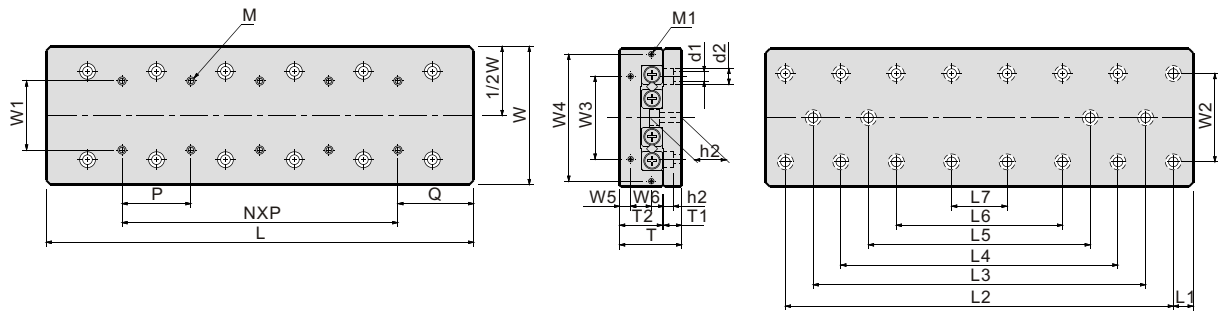
- **MGRM-N / MGRM-S** no finished to V-groove surface of the rail.
- **MGRM-S** table and rail are in one unit in this series.

- Table in **N** series, is antirust, apply to clean room environment.
- Table in **S** series, is antirust apply to corrosion-resisting, apply to clean room environment.
- Table in **B** series, is antirust, apply to clean room environment.
- All parts are cryogenic finished to increase 30% durability (refer to O-69).

MGRM/ MGRM-B / MGRM-N Dimensions



SLIDE TABLE

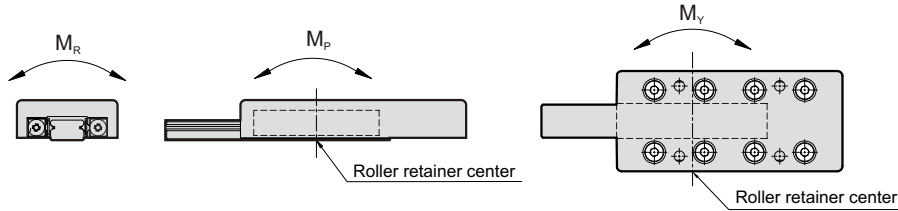


(mm)

| Model | Max. stroke | Roller dia. | Main dimensions | | | | Mounting dimensions | | | | | | | | | | | | | |
|--------------|-------------|-------------|------------------------------------|--------------------|----------------|-------|---------------------|--------|------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | W | T | T ₂ | L | W ₁ | M | Q | N×P | W ₃ | W ₄ | W ₅ | W ₆ | M ₁ | W ₂ | d ₁ | d ₂ | h ₁ | T ₁ |
| MGRM-30-25 | 12 | φ 1.5 | 30 ^{+0.2} _{-0.4} | 17 ^{+0.1} | 11 | 25 | 10 | M2×4L | 12.5 | — | 12 | — | 2.5 | — | M2×6L | 22 | 2.5 | 4.5 | 2.5 | 5.5 |
| MGRM-30-35 | 18 | | | | | 35 | | | | 1×10 | | | | | | | | | | |
| MGRM-30-45 | 25 | | | | | 45 | | | | 2×10 | | | | | | | | | | |
| MGRM-30-55 | 32 | | | | | 55 | | | | 3×10 | | | | | | | | | | |
| MGRM-30-65 | 40 | | | | | 65 | | | | 4×10 | | | | | | | | | | |
| MGRM-30-75 | 45 | | | | | 75 | | | | 5×10 | | | | | | | | | | |
| MGRM-30-85 | 50 | 85 | 6×10 | | | | | | | | | | | | | | | | | |
| MGRM-40-35 | 18 | φ 2.0 | 40 ^{+0.2} _{-0.4} | 21 ^{+0.1} | 14 | 35 | 15 | M3×6L | 17.5 | — | 16 | — | 3.4 | — | M2×6L | 30 | 3.5 | 6.5 | 3.5 | 6.5 |
| MGRM-40-50 | 30 | | | | | 50 | | | | 1×15 | | | | | | | | | | |
| MGRM-40-65 | 40 | | | | | 65 | | | | 2×15 | | | | | | | | | | |
| MGRM-40-80 | 50 | | | | | 80 | | | | 3×15 | | | | | | | | | | |
| MGRM-40-95 | 60 | | | | | 95 | | | | 4×15 | | | | | | | | | | |
| MGRM-40-110 | 70 | | | | | 110 | | | | 5×15 | | | | | | | | | | |
| MGRM-40-125 | 80 | | | | | 125 | | | | 6×15 | | | | | | | | | | |
| MGRM-40-140 | 90 | | | | | 140 | | | | 7×15 | | | | | | | | | | |
| MGRM-40-155 | 100 | | | | | 155 | | | | 8×15 | | | | | | | | | | |
| MGRM-40-170 | 110 | | | | | 170 | | | | 9×15 | | | | | | | | | | |
| MGRM-40-185 | 120 | 185 | 10×15 | | | | | | | | | | | | | | | | | |
| MGRM-60-55 | 30 | φ 3.0 | 60 ^{+0.1} | 28 ^{+0.1} | 18.5 | 55 | 25 | M4×8L | 27.5 | — | 40 | — | 5.5 | — | M3×6L | 40 | 4.5 | 8 | 4.5 | 9 |
| MGRM-60-80 | 45 | | | | | 80 | | | | 1×25 | | | | | | | | | | |
| MGRM-60-105 | 60 | | | | | 105 | | | | 2×25 | | | | | | | | | | |
| MGRM-60-130 | 75 | | | | | 130 | | | | 3×25 | | | | | | | | | | |
| MGRM-60-155 | 90 | | | | | 155 | | | | 4×25 | | | | | | | | | | |
| MGRM-60-180 | 105 | | | | | 180 | | | | 5×25 | | | | | | | | | | |
| MGRM-60-205 | 130 | | | | | 205 | | | | 6×25 | | | | | | | | | | |
| MGRM-60-230 | 155 | | | | | 230 | | | | 7×25 | | | | | | | | | | |
| MGRM-60-255 | 180 | | | | | 255 | | | | 8×25 | | | | | | | | | | |
| MGRM-60-280 | 205 | | | | | 280 | | | | 9×25 | | | | | | | | | | |
| MGRM-60-305 | 230 | 305 | 10×25 | | | | | | | | | | | | | | | | | |
| MGRM-80-85 | 50 | φ 4.0 | 80 ^{+0.1} | 35 ^{+0.1} | 24 | 85 | 40 | M5×10L | 42.5 | — | 55 | — | 6.5 | — | M3×6L | 55 | 5.5 | 10 | 5.4 | 10.5 |
| MGRM-80-125 | 75 | | | | | 125 | | | | 1×40 | | | | | | | | | | |
| MGRM-80-165 | 105 | | | | | 165 | | | | 2×40 | | | | | | | | | | |
| MGRM-80-205 | 130 | | | | | 205 | | | | 3×40 | | | | | | | | | | |
| MGRM-80-245 | 155 | | | | | 245 | | | | 4×40 | | | | | | | | | | |
| MGRM-80-285 | 185 | | | | | 285 | | | | 5×40 | | | | | | | | | | |
| MGRM-80-325 | 210 | | | | | 325 | | | | 6×40 | | | | | | | | | | |
| MGRM-80-365 | 235 | | | | | 365 | | | | 7×40 | | | | | | | | | | |
| MGRM-80-405 | 265 | | | | | 405 | | | | 8×40 | | | | | | | | | | |
| MGRM-100-110 | 60 | | | | | φ 6.0 | | | | 100 ^{+0.1} | | | | | | | | | | |
| MGRM-100-160 | 95 | 160 | 1×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-210 | 130 | 210 | 2×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-260 | 165 | 260 | 3×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-310 | 200 | 310 | 4×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-360 | 235 | 360 | 5×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-410 | 265 | 410 | 6×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-460 | 300 | 460 | 7×50 | | | | | | | | | | | | | | | | | |
| MGRM-100-510 | 335 | 510 | 8×50 | | | | | | | | | | | | | | | | | |



SLIDE TABLE



• Each of load and torque changes oppositely in stroke variation.

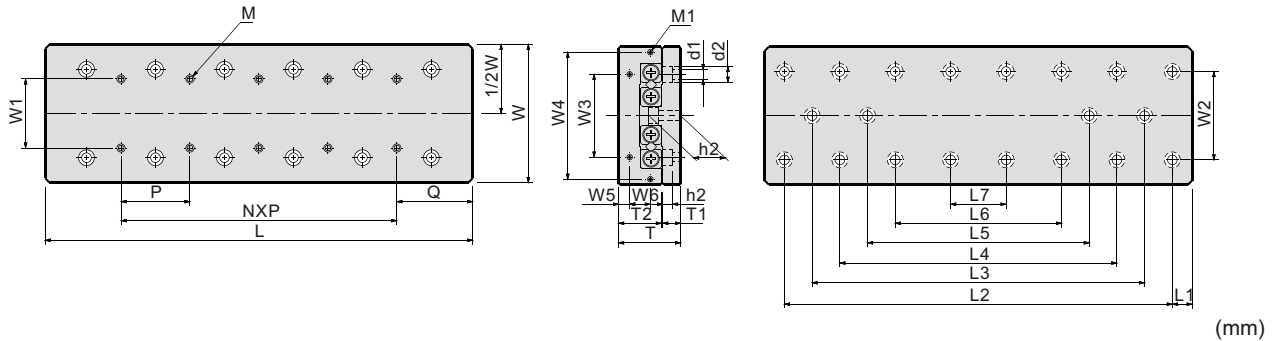
| Base mounting dimensions (mm) | | | | | | | | Basic dynamic load rating C(N) | Basic static load rating Co(N) | Allowable load Fu(N) | Static rated moment | | | Weight (kg) | | Table moving accuracy (μ m) | | | | | | | | |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|--------------------------------|----------------------|----------------------|----------------------|----------------------|-------------|----------|------------------------------|------------------|-------|-------|-------|------|------|---|---|
| h ₂ | L ₁ | L ₂ | L ₃ | L ₄ | L ₅ | L ₆ | L ₇ | | | | M _R (N.m) | M _P (N.m) | M _Y (N.m) | Standard | Antirust | Center parallelism | Side parallelism | | | | | | | |
| 9 | 3.5 | 18 | — | — | — | — | — | 379 | 576 | 192 | 2.6 | 1.2 | 1.4 | 0.04 | 0.09 | 2 | 4 | | | | | | | |
| | | 28 | | | | | | 523 | 865 | 288 | 3.9 | 2.6 | 3.0 | 0.05 | 0.12 | | | | | | | | | |
| | | 38 | | | | | | 657 | 1,153 | 384 | 5.2 | 4.6 | 5.2 | 0.07 | 0.16 | | | | | | | | | |
| | | 48 | | | | | | 783 | 1,441 | 480 | 6.5 | 7.2 | 7.9 | 0.08 | 0.19 | | | | | | | | | |
| | | 58 | | | | | | 903 | 1,729 | 576 | 7.8 | 10.4 | 11.2 | 0.10 | 0.23 | | 5 | | | | | | | |
| | | 68 | | | | | | 1,131 | 2,306 | 769 | 10.4 | 18.4 | 17.3 | 0.12 | 0.27 | | | | | | | | | |
| | | 78 | | | | | | 1,240 | 2,594 | 865 | 11.7 | 23.3 | 22.0 | 0.13 | 0.30 | | | | | | | | | |
| | | 85 | | | | | | 1,420 | 2,944 | 975 | 13.5 | 28.1 | 26.6 | 0.14 | 0.33 | | | | | | | | | |
| 10.9 | 5 | 25 | — | — | — | — | — | 895 | 1,170 | 390 | 7.0 | 3.1 | 3.9 | 0.09 | 0.20 | 2 | 4 | | | | | | | |
| | | 40 | | | | | | 1,552 | 2,339 | 780 | 14.0 | 12.5 | 10.9 | 0.13 | 0.29 | | | | | | | | | |
| | | 55 | | | | | | 1,849 | 2,924 | 975 | 17.5 | 19.5 | 17.5 | 0.17 | 0.38 | | | | | | | | | |
| | | 70 | | | | | | 2,134 | 3,509 | 1,170 | 21.1 | 28.1 | 30.4 | 0.21 | 0.46 | | | | | | | | | |
| | | 85 | | | | | | 2,407 | 4,093 | 1,364 | 24.6 | 38.2 | 40.9 | 0.25 | 0.55 | 3 | 5 | | | | | | | |
| | | 100 | | | | | | 2,930 | 5,263 | 1,754 | 31.6 | 63.2 | 59.6 | 0.30 | 0.64 | | | | | | | | | |
| | | 115 | | | | | | 3,181 | 5,848 | 1,949 | 35.1 | 78.0 | 74.1 | 0.34 | 0.73 | | | | | | | | | |
| | | 130 | | | | | | 3,427 | 6,433 | 2,144 | 38.6 | 94.3 | 98.6 | 0.38 | 0.82 | | | | | | | | | |
| | | 145 | | | | | | 3,668 | 7,017 | 2,339 | 42.1 | 112.3 | 117.0 | 0.42 | 0.91 | 6 | | | | | | | | |
| | | 160 | | | | | | 4,136 | 8,187 | 2,729 | 49.1 | 152.8 | 147.4 | 0.46 | 1.00 | | | | | | | | | |
| | | 175 | | | | | | 4,365 | 8,772 | 2,924 | 52.6 | 175.4 | 169.6 | 0.50 | 1.08 | | | | | | | | | |
| | | 185 | | | | | | 4,567 | 9,152 | 3,060 | 55.1 | 194.1 | 186.1 | 0.53 | 1.14 | | | | | | | | | |
| 15 | 10 | 35 | — | — | — | — | — | 2,901 | 4,567 | 1,522 | 42.6 | 22.8 | 26.6 | 0.29 | 0.66 | 2 | 5 | | | | | | | |
| | | 60 | | | | | | 4,338 | 7,611 | 2,537 | 71.0 | 63.4 | 57.1 | 0.43 | 0.96 | | | | | | | | | |
| | | 85 | | | | | | 5,646 | 10,655 | 3,552 | 99.5 | 124.3 | 115.4 | 0.57 | 1.26 | | | | | | | | | |
| | | 110 | | | | | | 6,268 | 12,178 | 4,059 | 113.7 | 162.4 | 172.5 | 0.71 | 1.57 | | | | | | | | | |
| | | 135 | | | | | | 7,462 | 15,222 | 5,074 | 142.1 | 253.7 | 266.4 | 0.84 | 1.87 | 3 | 6 | | | | | | | |
| | | 160 | | | | | | 8,603 | 18,266 | 6,089 | 170.5 | 365.3 | 350.1 | 0.98 | 2.17 | | | | | | | | | |
| | | 185 | | | | | | 9,157 | 19,789 | 6,596 | 184.7 | 428.8 | 445.2 | 1.12 | 2.47 | | | | | | | | | |
| | | 210 | | | | | | 9,702 | 21,311 | 7,104 | 198.9 | 497.3 | 515.0 | 1.25 | 2.77 | | | | | | | | | |
| | | 235 | | | | | | 10,767 | 24,355 | 8,118 | 227.3 | 649.5 | 629.2 | 1.39 | 3.07 | 7 | | | | | | | | |
| | | 260 | | | | | | 11,288 | 25,877 | 8,626 | 241.5 | 733.2 | 711.6 | 1.53 | 3.37 | | | | | | | | | |
| | | 285 | | | | | | 11,802 | 27,400 | 9,133 | 255.7 | 822.0 | 844.8 | 1.66 | 3.68 | | | | | | | | | |
| | | 305 | | | | | | 12,288 | 28,822 | 9,641 | 270.0 | 916.7 | 900.0 | 1.79 | 3.98 | | | | | | | | | |
| | | 10.5 | | | | | | 10.5 | 65 | — | — | — | — | — | 6,617 | 9,357 | 3,119 | 124.8 | 87.3 | 76.4 | 0.76 | 1.69 | 2 | 5 |
| | | | | | | | | | 105 | | | | | | 9,097 | 14,035 | 4,678 | 187.1 | 196.5 | 180.1 | 1.12 | 2.50 | | |
| 145 | 10,264 | | 16,375 | 5,458 | 218.3 | 267.5 | 286.6 | | 1.48 | | | | | | 3.31 | 3 | 6 | | | | | | | |
| 185 | 12,492 | | 21,053 | 7,018 | 280.7 | 442.1 | 466.7 | | 1.84 | | | | | | 4.11 | | | | | | | | | |
| 225 | 14,612 | | 25,732 | 8,577 | 343.1 | 660.4 | 690.5 | | 2.20 | | | | | | 4.91 | | | | | | | | | |
| 265 | 16,646 | | 30,410 | 10,137 | 405.5 | 922.4 | 957.9 | | 2.56 | | | | | | 5.72 | | | | | | | | | |
| 305 | 18,612 | | 35,089 | 11,696 | 467.8 | 1228.1 | 1269.0 | | 2.92 | | | | | | 6.51 | 4 | 7 | | | | | | | |
| 345 | 20,519 | | 39,767 | 13,256 | 530.2 | 1577.4 | 1623.8 | | 3.28 | | | | | | 7.32 | | | | | | | | | |
| 385 | 22,377 | | 44,445 | 14,815 | 592.6 | 1970.4 | 1918.6 | | 3.65 | | | | | | 8.13 | | | | | | | | | |
| 425 | 24,188 | | 49,124 | 16,374 | 655.0 | 2463.7 | 2363.9 | | 4.01 | | | | | | 8.94 | | | | | | | | | |
| 23 | 10 | 90 | — | — | — | — | — | 13,923 | 21,053 | 7,018 | 315.8 | 252.6 | 221.1 | 1.60 | 3.48 | 3 | 6 | | | | | | | |
| | | 140 | | | | | | 16,592 | 26,316 | 8,772 | 394.7 | 394.7 | 434.2 | 2.36 | 5.10 | | | | | | | | | |
| | | 190 | | | | | | 21,596 | 36,842 | 12,281 | 552.6 | 773.7 | 828.9 | 3.11 | 6.70 | | | | | | | | | |
| | | 240 | | | | | | 26,285 | 47,369 | 15,790 | 710.5 | 1279.0 | 1207.9 | 3.86 | 8.32 | | | | | | | | | |
| | | 290 | | | | | | 30,744 | 57,895 | 19,298 | 868.4 | 1910.5 | 1823.7 | 4.62 | 9.94 | 4 | 7 | | | | | | | |
| | | 340 | | | | | | 35,024 | 68,421 | 22,807 | 1026.3 | 2688.4 | 2565.8 | 5.36 | 11.53 | | | | | | | | | |
| | | 390 | | | | | | 39,160 | 78,948 | 26,316 | 1184.2 | 3552.6 | 3434.2 | 6.12 | 13.15 | | | | | | | | | |
| | | 440 | | | | | | 41,181 | 84,211 | 28,070 | 1263.2 | 4042.1 | 4168.4 | 6.87 | 14.76 | | | | | | | | | |
| | | 490 | | | | | | 45,141 | 94,737 | 31,597 | 1421.1 | 5115.8 | 5257.9 | 7.62 | 16.36 | 8 | | | | | | | | |

MGRM-S Dimensions



SLIDE TABLE

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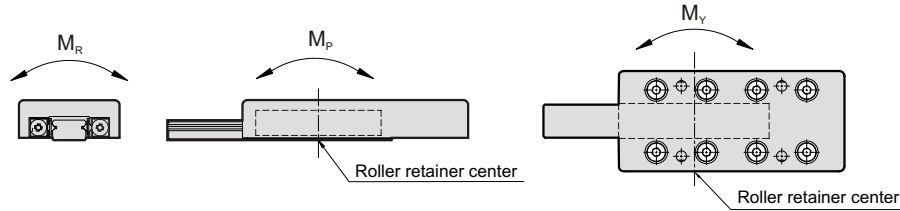
(mm)

| Model | Max. stroke | Roller dia. | Main dimensions | | | Mounting dimensions | | | | | | | | | | | | |
|----------------|-------------|-------------|--------------------|--------------------|---------|---------------------|----------------|----------|------|---------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | W | T | L | T ₂ | W ₁ | M | Q | N × P | W ₃ | W ₄ | W ₅ | W ₆ | M ₁ | W ₂ | d ₁ | d ₂ |
| MGRM-30-25-S | 12 | φ 1.5 | 30 ^{±0.1} | 17 ^{±0.1} | 25 | 11 | 10 | M2 × 4L | 12.5 | — | 12 | — | 2.5 | — | M2 × 6L | 22 | 2.5 | 4.5 |
| MGRM-30-35-S | 18 | | | | 1 × 10 | | | | | | | | | | | | | |
| MGRM-30-45-S | 25 | | | | 2 × 10 | | | | | | | | | | | | | |
| MGRM-30-55-S | 32 | | | | 3 × 10 | | | | | | | | | | | | | |
| MGRM-30-65-S | 40 | | | | 4 × 10 | | | | | | | | | | | | | |
| MGRM-30-75-S | 45 | | | | 5 × 10 | | | | | | | | | | | | | |
| MGRM-30-85-S | 50 | | | | 6 × 10 | | | | | | | | | | | | | |
| MGRM-40-35-S | 18 | φ 2.0 | 40 ^{±0.1} | 21 ^{±0.1} | 35 | 14 | 15 | M3 × 6L | 17.5 | — | 16 | — | 3.4 | — | M2 × 6L | 30 | 3.5 | 6.5 |
| MGRM-40-50-S | 30 | | | | 1 × 15 | | | | | | | | | | | | | |
| MGRM-40-65-S | 40 | | | | 2 × 15 | | | | | | | | | | | | | |
| MGRM-40-80-S | 50 | | | | 3 × 15 | | | | | | | | | | | | | |
| MGRM-40-95-S | 60 | | | | 4 × 15 | | | | | | | | | | | | | |
| MGRM-40-110-S | 70 | | | | 5 × 15 | | | | | | | | | | | | | |
| MGRM-40-125-S | 80 | | | | 6 × 15 | | | | | | | | | | | | | |
| MGRM-40-140-S | 90 | | | | 7 × 15 | | | | | | | | | | | | | |
| MGRM-40-155-S | 100 | | | | 8 × 15 | | | | | | | | | | | | | |
| MGRM-40-170-S | 110 | | | | 9 × 15 | | | | | | | | | | | | | |
| MGRM-40-185-S | 120 | | | | 10 × 15 | | | | | | | | | | | | | |
| MGRM-60-55-S | 30 | φ 3.0 | 60 ^{±0.1} | 28 ^{±0.1} | 55 | 18.5 | 25 | M4 × 8L | 27.5 | — | 40 | — | 5.5 | — | M3 × 6L | 40 | 4.5 | 8 |
| MGRM-60-80-S | 45 | | | | 1 × 25 | | | | | | | | | | | | | |
| MGRM-60-105-S | 60 | | | | 2 × 25 | | | | | | | | | | | | | |
| MGRM-60-130-S | 75 | | | | 3 × 25 | | | | | | | | | | | | | |
| MGRM-60-155-S | 90 | | | | 4 × 25 | | | | | | | | | | | | | |
| MGRM-60-180-S | 105 | | | | 5 × 25 | | | | | | | | | | | | | |
| MGRM-60-205-S | 130 | | | | 6 × 25 | | | | | | | | | | | | | |
| MGRM-60-230-S | 155 | | | | 7 × 25 | | | | | | | | | | | | | |
| MGRM-60-255-S | 180 | | | | 8 × 25 | | | | | | | | | | | | | |
| MGRM-60-280-S | 205 | | | | 9 × 25 | | | | | | | | | | | | | |
| MGRM-60-305-S | 230 | | | | 10 × 25 | | | | | | | | | | | | | |
| MGRM-80-85-S | 50 | φ 4.0 | 80 ^{±0.1} | 35 ^{±0.1} | 85 | 24 | 40 | M5 × 10L | 42.5 | — | 55 | — | 6.5 | — | M3 × 6L | 55 | 5.5 | 10 |
| MGRM-80-125-S | 75 | | | | 1 × 40 | | | | | | | | | | | | | |
| MGRM-80-165-S | 105 | | | | 2 × 40 | | | | | | | | | | | | | |
| MGRM-80-205-S | 130 | | | | 3 × 40 | | | | | | | | | | | | | |
| MGRM-80-245-S | 155 | | | | 4 × 40 | | | | | | | | | | | | | |
| MGRM-80-285-S | 185 | | | | 5 × 40 | | | | | | | | | | | | | |
| MGRM-80-325-S | 210 | | | | 6 × 40 | | | | | | | | | | | | | |
| MGRM-80-365-S | 235 | | | | 7 × 40 | | | | | | | | | | | | | |
| MGRM-80-405-S | 265 | | | | 8 × 40 | | | | | | | | | | | | | |
| MGRM-100-110-S | 60 | | | | φ 6.0 | | | | | 100 ^{±0.1} | | | | | | | | |
| MGRM-100-160-S | 95 | 1 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-210-S | 130 | 2 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-260-S | 165 | 3 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-310-S | 200 | 4 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-360-S | 235 | 5 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-410-S | 265 | 6 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-460-S | 300 | 7 × 50 | | | | | | | | | | | | | | | | |
| MGRM-100-510-S | 335 | 8 × 50 | | | | | | | | | | | | | | | | |



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SLIDE TABLE



● Each of load and torque changes oppositely in stroke variation.

| | | | | | | | | | Basic dynamic load rating C(N) | Basic static load rating Co(N) | Allowable load Fu(N) | Static rated moment | | | Weight (kg) | Table moving accuracy (μ m) | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|--------------------------------|--------------------------------|----------------------|----------------------|----------------------|--------------------|-------------|------------------------------|---|------|
| h ₁ | T ₁ | h ₂ | L ₁ | L ₂ | L ₃ | L ₄ | L ₅ | M _R (N.m) | | | | M _P (N.m) | M _Y (N.m) | Center parallelism | | Side parallelism | | |
| 2.5 | 5.5 | 10 | 3.5 | 18 | | | | | 379 | 576 | 192 | 2.6 | 1.2 | 14 | 0.09 | 2 | 4 | |
| | | | | 28 | — | | | | | 523 | 865 | 288 | 3.9 | 2.6 | 30 | | | 0.12 |
| | | | | 38 | | | | | | 657 | 1,153 | 384 | 5.2 | 4.6 | 52 | | | 0.16 |
| | | | | 48 | 28 | | | | | 183 | 1,441 | 480 | 6.5 | 7.2 | 49 | | | 0.19 |
| | | | | 58 | 38 | | | | | 903 | 1,929 | 576 | 7.8 | 10.4 | 112 | | | 0.23 |
| | | | | 67 | 48 | | | | | 1,131 | 2,306 | 769 | 10.4 | 18.4 | 173 | | | 0.26 |
| | | | | 78 | 58 | | | | | 1,240 | 2,594 | 865 | 11.7 | 23.3 | 220 | | | 0.30 |
| 2.5 | 6.5 | 13 | 5 | 25 | | | | | 895 | 1,170 | 390 | 7.0 | 3.1 | 39 | 0.20 | 2 | 4 | |
| | | | | 40 | — | | | | | 1,552 | 2,339 | 780 | 14.0 | 12.5 | 109 | | | 0.29 |
| | | | | 55 | | | | | | 1,849 | 2,924 | 975 | 17.5 | 19.5 | 175 | | | 0.38 |
| | | | | 70 | 40 | | | | | 2,134 | 3,509 | 1,170 | 21.1 | 28.1 | 304 | | | 0.46 |
| | | | | 85 | 55 | | | | | 2,407 | 4,093 | 1,364 | 24.6 | 38.2 | 409 | 0.55 | 3 | 5 |
| | | | | 100 | 70 | | | | | 2,930 | 5,263 | 1,754 | 31.6 | 63.2 | 596 | 0.64 | | |
| | | | | 115 | 85 | | | | | 3,181 | 5,848 | 1,949 | 35.1 | 78.0 | 741 | 0.72 | | |
| | | | | 130 | 100 | 70 | | | | 3,427 | 6,433 | 2,144 | 38.6 | 94.3 | 986 | 0.83 | | |
| | | | | 145 | 115 | 85 | | | | 3,668 | 7,017 | 2,339 | 42.1 | 112.3 | 1170 | 0.90 | | |
| | | | | 160 | 130 | 100 | | | | 4,136 | 8,187 | 2,729 | 49.1 | 152.8 | 1474 | 0.99 | | |
| 175 | 145 | 115 | 85 | | | 4,365 | 8,772 | 2,924 | 52.6 | 175.4 | 1696 | 1.07 | | | | | | |
| 4.5 | 9 | 17.5 | 10 | 35 | | | | | 2,901 | 4,567 | 1,522 | 42.6 | 22.8 | 26.6 | 0.65 | 2 | 5 | |
| | | | | 60 | — | | | | | 4,338 | 7,611 | 2,537 | 71.0 | 63.4 | 57.1 | | | 0.95 |
| | | | | 85 | | | | | | 5,646 | 10,655 | 3,552 | 99.8 | 124.3 | 115.4 | | | 1.25 |
| | | | | 110 | | | | | | 6,268 | 12,178 | 4,059 | 113.7 | 162.4 | 172.5 | 1.55 | 3 | 6 |
| | | | | 135 | 85 | | | | | 7,492 | 15,222 | 5,074 | 142.1 | 253.7 | 266.4 | 1.85 | | |
| | | | | 160 | 110 | | | | | 8,603 | 18,266 | 6,089 | 170.5 | 365.3 | 350.1 | 2.15 | | |
| | | | | 185 | 135 | 85 | | | | 9,157 | 19,789 | 6,596 | 184.7 | 428.8 | 445.2 | 2.44 | | |
| | | | | 210 | 160 | 110 | | | | 9,702 | 21,311 | 7,104 | 198.9 | 497.3 | 515.0 | 2.74 | | |
| | | | | 235 | 185 | 135 | | | | 10,767 | 24,355 | 8,118 | 227.3 | 649.5 | 629.2 | 3.04 | | |
| | | | | 260 | 210 | 160 | 110 | | | 11,288 | 25,877 | 8,626 | 241.5 | 733.2 | 711.6 | 3.33 | | |
| | | | | 285 | 235 | 185 | 135 | | | 11,802 | 27,400 | 9,133 | 255.7 | 822.0 | 844.8 | 3.63 | | |
| 5.4 | 10.5 | 22 | 10 | 60 | | | | | 6,617 | 9,357 | 3,119 | 124.8 | 87.3 | 76.4 | 1.68 | 2 | 5 | |
| | | | | 105 | — | | | | | 9,097 | 14,035 | 4,678 | 187.1 | 196.5 | 180.1 | | | 2.48 |
| | | | | 145 | | | | | | 10,264 | 16,375 | 5,458 | 218.3 | 267.5 | 286.6 | 3.27 | 3 | 6 |
| | | | | 185 | 105 | | | | | 12,492 | 21,035 | 7,018 | 280.7 | 442.1 | 466.7 | 4.06 | | |
| | | | | 225 | 145 | | | | | 14,612 | 25,732 | 8,577 | 343.1 | 660.4 | 690.5 | 4.86 | | |
| | | | | 265 | 185 | | | | | 16,646 | 30,410 | 10,137 | 405.5 | 922.4 | 957.9 | 5.66 | | |
| | | | | 305 | 225 | 145 | | | | 18,612 | 35,089 | 11,696 | 467.8 | 1228.1 | 1269.0 | 6.44 | | |
| | | | | 345 | 265 | 185 | | | | 20,519 | 39,767 | 13,256 | 530.2 | 1577.4 | 1623.8 | 7.24 | | |
| | | | | 385 | 305 | 225 | | | | 22,377 | 44,445 | 14,815 | 592.6 | 1970.4 | 1918.6 | 8.04 | | |
| | | | | 7 | 13 | 29 | 10 | 90 | — | | | | 13,923 | 21,053 | 7,018 | 315.8 | | |
| 140 | | | | | | | | | | 16,592 | 26,316 | 8,772 | 394.7 | 394.7 | 646.2 | 5.05 | | |
| 190 | 90 | | | | | | | | | 21,596 | 36,842 | 12,281 | 522.6 | 733.9 | 828.9 | 6.63 | | |
| 240 | 140 | | | | | | | | | 26,285 | 49,369 | 15,790 | 710.5 | 1279.0 | 1207.9 | 8.23 | | |
| 290 | 190 | | | | | | | | | 30,744 | 57,895 | 19,298 | 868.4 | 1910.5 | 1823.7 | 9.84 | | |
| 340 | 240 | 140 | | | | | | | | 35,024 | 68,421 | 22,807 | 1026.3 | 2668.4 | 2565.8 | 11.41 | | |
| 390 | 290 | 190 | | | | | | | | 39,160 | 78,948 | 26,316 | 1184.2 | 3552.6 | 3434.2 | 13.01 | 4 | 8 |
| 440 | 340 | 240 | | | | | | | | 41,481 | 84,211 | 28,070 | 1263.2 | 4042.1 | 4168.4 | 14.61 | | |
| 490 | 390 | 290 | 190 | | | | | | | 45,141 | 94,737 | 31,579 | 1421.1 | 5115.8 | 5257.9 | 16.20 | | |