

Specification

| Model No. | | Max. Stroke (mm) | Main Dimensions (mm) | | | | | | Retainer Dimensions (mm) | | | | | |
|-----------|-------------|------------------|----------------------|---|-----|-----|-------|-----|--------------------------|------|-------|----|-----|----|
| Standard | Antirust | | H | T | W | L | n*p | L1 | L2 | ØD | L3 | R | P1 | P2 |
| GRV00-20 | GRV00-20-S | 17 | 6.2 | 3 | 2.9 | 20 | 1*10 | 5 | 0.7 | Ø1 | 12.4 | 6 | 1.3 | 2 |
| GRV00-30 | GRV00-30-S | 21 | | | | 30 | 2*10 | | | | 16.4 | 8 | | |
| GRV00-40 | GRV00-40-S | 25 | | | | 40 | 3*10 | | | | 20.4 | 10 | | |
| GRV00-50 | GRV00-50-S | 29 | | | | 50 | 4*10 | | | | 24.4 | 12 | | |
| GRV00-60 | GRV00-60-S | 33 | | | | 60 | 5*10 | | | | 28.4 | 14 | | |
| GRV00-70 | GRV00-70-S | 37 | | | | 70 | 6*10 | | | | 32.4 | 16 | | |
| GRV00-80 | GRV00-80-S | 41 | | | | 80 | 7*10 | | | | 36.4 | 18 | | |
| GRV01-20 | GRV01-20-S | 13 | 8.5 | 4 | 3.9 | 20 | 1*10 | 5 | 1.3 | Ø1.5 | 15.8 | 5 | 1.9 | 3 |
| GRV01-30 | GRV01-30-S | 21 | | | | 30 | 2*10 | | | | 21.8 | 7 | | |
| GRV01-40 | GRV01-40-S | 29 | | | | 40 | 3*10 | | | | 27.8 | 9 | | |
| GRV01-50 | GRV01-50-S | 37 | | | | 50 | 4*10 | | | | 33.8 | 11 | | |
| GRV01-60 | GRV01-60-S | 45 | | | | 60 | 5*10 | | | | 39.8 | 13 | | |
| GRV01-70 | GRV01-70-S | 53 | | | | 70 | 6*10 | | | | 45.8 | 15 | | |
| GRV01-80 | GRV01-80-S | 61 | | | | 80 | 7*10 | | | | 51.8 | 17 | | |
| GRV02-30 | GRV02-30-S | 24 | 12 | 6 | 5.5 | 30 | 1*15 | 7.5 | 1.5 | Ø2 | 21.6 | 5 | 2.8 | 4 |
| GRV02-45 | GRV02-45-S | 30 | | | | 45 | 2*15 | | | | 33.6 | 8 | | |
| GRV02-60 | GRV02-60-S | 44 | | | | 60 | 3*15 | | | | 41.6 | 10 | | |
| GRV02-75 | GRV02-75-S | 58 | | | | 75 | 4*15 | | | | 49.6 | 12 | | |
| GRV02-90 | GRV02-90-S | 72 | | | | 90 | 5*15 | | | | 57.6 | 14 | | |
| GRV02-105 | GRV02-105-S | 86 | | | | 105 | 6*15 | | | | 65.6 | 16 | | |
| GRV02-120 | GRV02-120-S | 100 | | | | 120 | 7*15 | | | | 73.6 | 18 | | |
| GRV02-135 | GRV02-135-S | 106 | | | | 135 | 8*15 | | | | 85.6 | 21 | | |
| GRV02-150 | GRV02-150-S | 120 | | | | 150 | 9*15 | | | | 93.6 | 23 | | |
| GRV02-165 | GRV02-165-S | 134 | | | | 165 | 10*15 | | | | 101.6 | 25 | | |
| GRV02-180 | GRV02-180-S | 148 | | | | 180 | 11*15 | | | | 109.6 | 27 | | |

| | | | | | | |
|--------------------|--------|--------|-------------|-------------|----------|-----------------|
| Ordering Example : | GR | V | 01 | 40 | S | P |
| | Roller | V rail | Roller dia. | Rail length | Antirust | Precision Level |

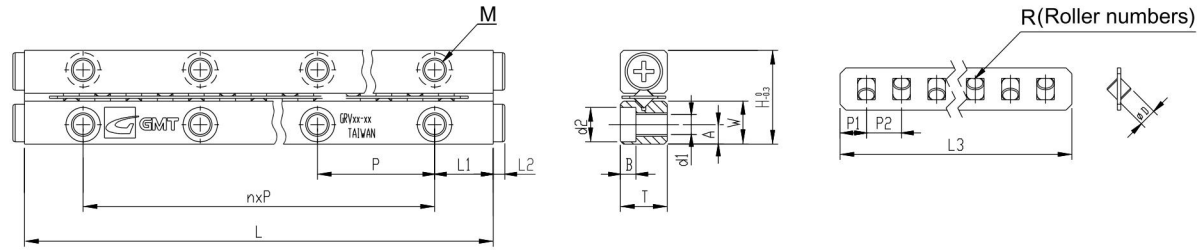


Material Specification

| Material Component Model No. | Rail | Roller | Retainer |
|------------------------------|-------------|---------|----------|
| GRV | SUJ2 | | SUS304 |
| GRV - S | SUS440C +Ni | SUS440C | |

GRV-S No Surface finished to V-groove surface of the rail.

| Mounting Dimensions (mm) | | | | | Load Per Roller | | | Weight (g) / 2 Pieces | |
|--------------------------|------|------|-----|-----|---------------------------|--------------------------|----------------|-----------------------|----------|
| A | M | d1 | d2 | B | Basic Dynamic Load Rating | Basic Static Load Rating | Allowable Load | Standard | Antirust |
| 1.2 | M1.4 | 1.1 | 2.1 | 4 | 62N/1pcs | 72N/1pcs | 24N/1pcs | 2.4 | 2.6 |
| | | | | | | | | 3.5 | 3.8 |
| | | | | | | | | 4.6 | 5 |
| | | | | | | | | 5.7 | 6.2 |
| | | | | | | | | 6.8 | 7.4 |
| | | | | | | | | 7.9 | 8.6 |
| 9 | 9.8 | | | | | | | | |
| 1.8 | M2 | 1.65 | 3 | 1.4 | 125N/1pcs | 144N/1pcs | 48N/1pcs | 4 | 4 |
| | | | | | | | | 6 | 7 |
| | | | | | | | | 8 | 9 |
| | | | | | | | | 10 | 11 |
| | | | | | | | | 12 | 13 |
| | | | | | | | | 14 | 16 |
| 16 | 17 | | | | | | | | |
| 2.5 | M3 | 2.55 | 4.4 | 2 | 293N/1pcs | 292N/1pcs | 97N/1pcs | 13 | 14 |
| | | | | | | | | 20 | 21 |
| | | | | | | | | 26 | 28 |
| | | | | | | | | 32 | 35 |
| | | | | | | | | 39 | 42 |
| | | | | | | | | 45 | 48 |
| | | | | | | | | 51 | 55 |
| | | | | | | | | 58 | 62 |
| | | | | | | | | 64 | 69 |
| | | | | | | | | 70 | 76 |
| 77 | 82 | | | | | | | | |



Specification

| Model No. | | Max. Stroke (mm) | Main Dimensions (mm) | | | | | | | Retainer Dimensions (mm) | | | | |
|-----------|-------------|------------------|----------------------|----|-----|-----|-------|------|----|--------------------------|-------|----|-----|----|
| Standard | Antirust | | H | T | W | L | n*p | L1 | L2 | ØD | L3 | R | P1 | P2 |
| GRV03-50 | GRV03-50-S | 34 | 18 | 8 | 8.3 | 50 | 1*25 | 12.5 | 2 | Ø3 | 36.4 | 7 | 3.2 | 5 |
| GRV03-75 | GRV03-75-S | 54 | | | | 75 | 2*25 | | | | 51.4 | 10 | | |
| GRV03-100 | GRV03-100-S | 74 | | | | 100 | 3*25 | | | | 66.4 | 13 | | |
| GRV03-125 | GRV03-125-S | 104 | | | | 125 | 4*25 | | | | 76.4 | 15 | | |
| GRV03-150 | GRV03-150-S | 124 | | | | 150 | 5*25 | | | | 91.4 | 18 | | |
| GRV03-175 | GRV03-175-S | 144 | | | | 175 | 6*25 | | | | 106.4 | 21 | | |
| GRV03-200 | GRV03-200-S | 164 | | | | 200 | 7*25 | | | | 121.4 | 24 | | |
| GRV03-225 | GRV03-225-S | 184 | | | | 225 | 8*25 | | | | 136.4 | 27 | | |
| GRV03-250 | GRV03-250-S | 204 | | | | 250 | 9*25 | | | | 151.4 | 30 | | |
| GRV03-275 | GRV03-275-S | 224 | | | | 275 | 10*25 | | | | 166.4 | 33 | | |
| GRV03-300 | GRV03-300-S | 244 | | | | 300 | 11*25 | | | | 181.4 | 36 | | |
| GRV04-80 | GRV04-80-S | 54 | 22 | 11 | 10 | 80 | 1*40 | 20 | 2 | Ø4 | 57.6 | 8 | 4.3 | 7 |
| GRV04-120 | GRV04-120-S | 92 | | | | 120 | 2*40 | | | | 78.6 | 11 | | |
| GRV04-160 | GRV04-160-S | 130 | | | | 160 | 3*40 | | | | 99.6 | 14 | | |
| GRV04-200 | GRV04-200-S | 154 | | | | 200 | 4*40 | | | | 127.6 | 18 | | |
| GRV04-240 | GRV04-240-S | 192 | | | | 240 | 5*40 | | | | 148.6 | 21 | | |
| GRV04-280 | GRV04-280-S | 230 | | | | 280 | 6*40 | | | | 169.6 | 24 | | |
| GRV04-320 | GRV04-320-S | 254 | | | | 320 | 7*40 | | | | 197.6 | 28 | | |
| GRV04-360 | GRV04-360-S | 292 | | | | 360 | 8*40 | | | | 218.6 | 31 | | |
| GRV04-400 | GRV04-400-S | 330 | | | | 400 | 9*40 | | | | 239.6 | 34 | | |
| GRV04-440 | GRV04-440-S | 354 | | | | 440 | 10*40 | | | | 267.6 | 38 | | |
| GRV04-480 | GRV04-480-S | 392 | | | | 480 | 11*40 | | | | 288.6 | 41 | | |

| | | | | | | |
|--------------------|--------|--------|-------------|-------------|----------|-----------------|
| Ordering Example : | GR | V | 03 | 75 | S | P |
| | Roller | V rail | Roller dia. | Rail length | Antirust | Precision Level |

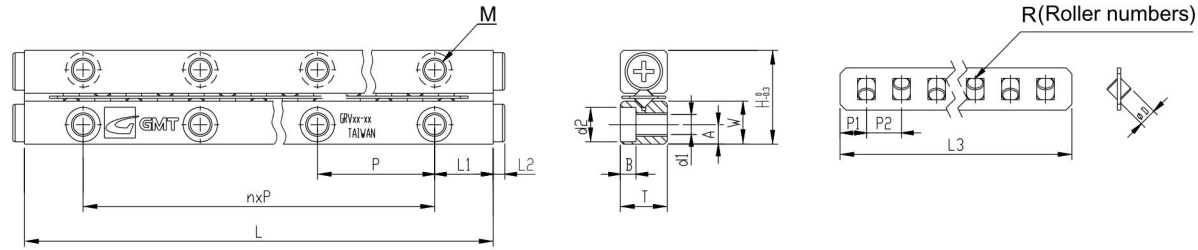


Material Specification

| Material Component Model No. | Rail | Roller | Retainer |
|------------------------------|-------------|---------|----------|
| GRV | SUJ2 | | SUS304 |
| GRV - S | SUS440C +Ni | SUS440C | |

GRV-S No Surface finished to V-groove surface of the rail.

| Mounting Dimensions (mm) | | | | | Load Per Roller | | | Weight (g) / 2 Pieces | |
|--------------------------|----|-----|-----|-----|---------------------------|--------------------------|----------------|-----------------------|----------|
| A | M | d1 | d2 | B | Basic Dynamic Load Rating | Basic Static Load Rating | Allowable Load | Standard | Antirust |
| 3.5 | M4 | 3.3 | 6 | 3.1 | 638N/1pcs | 761N/1pcs | 254N/1pcs | 46 | 49 |
| | | | | | | | | 68 | 73 |
| | | | | | | | | 90 | 97 |
| | | | | | | | | 112 | 120 |
| | | | | | | | | 134 | 144 |
| | | | | | | | | 157 | 168 |
| | | | | | | | | 179 | 191 |
| | | | | | | | | 201 | 215 |
| | | | | | | | | 223 | 239 |
| | | | | | | | | 245 | 262 |
| | | | | | | | | 267 | 286 |
| 4.5 | M5 | 4.3 | 7.5 | 4.1 | 1230N/1pcs | 1170N/1pcs | 390N/1pcs | 122 | 130 |
| | | | | | | | | 180 | 193 |
| | | | | | | | | 238 | 254 |
| | | | | | | | | 296 | 317 |
| | | | | | | | | 355 | 380 |
| | | | | | | | | 413 | 442 |
| | | | | | | | | 472 | 505 |
| | | | | | | | | 530 | 568 |
| | | | | | | | | 589 | 631 |
| | | | | | | | | 647 | 694 |
| | | | | | | | | 706 | 756 |



Specification

| Model No. | | Max. Stroke (mm) | Main Dimensions (mm) | | | | | | | Retainer Dimensions (mm) | | | | |
|------------|-------------|------------------|----------------------|--------|-------|------|--------|-------|-------|--------------------------|-------|-----|-----|-------|
| Standard | Antirust | | H | T | W | L | n*p | L1 | L2 | ØD | L3 | R | P1 | P2 |
| GRV06-100 | GRV06-100-S | 80 | 31 | 15 | 14 | 100 | 1*50 | 25 | 2 | Ø6 | 64.8 | 7 | 5.4 | 9 |
| GRV06-150 | GRV06-150-S | 108 | | | | 150 | 2*50 | | | | 100.8 | 11 | | |
| GRV06-200 | GRV06-200-S | 154 | | | | 200 | 3*50 | | | | 127.8 | 14 | | |
| GRV06-250 | GRV06-250-S | 200 | | | | 250 | 4*50 | | | | 154.8 | 17 | | |
| GRV06-300 | GRV06-300-S | 246 | | | | 300 | 5*50 | | | | 181.8 | 20 | | |
| GRV06-350 | GRV06-350-S | 274 | | | | 350 | 6*50 | | | | 217.8 | 24 | | |
| GRV06-400 | GRV06-400-S | 320 | | | | 400 | 7*50 | | | | 244.8 | 27 | | |
| GRV06-450 | GRV06-450-S | 366 | | | | 450 | 8*50 | | | | 271.8 | 30 | | |
| GRV06-500 | GRV06-500-S | 412 | | | | 500 | 9*50 | | | | 298.8 | 33 | | |
| GRV06-550 | GRV06-550-S | 458 | | | | 550 | 10*50 | | | | 325.8 | 36 | | |
| GRV06-600 | GRV06-600-S | 486 | | | | 600 | 11*50 | | | | 361.8 | 40 | | |
| GRV09-200 | / | 158 | | | | 44 | 22 | | | | 20.2 | 200 | | |
| GRV09-300 | / | 246 | 300 | 2*100 | 186.0 | | | 13 | | | | | | |
| GRV09-400 | / | 306 | 400 | 3*100 | 256.0 | | | 18 | | | | | | |
| GRV09-500 | / | 394 | 500 | 4*100 | 312.0 | | | 22 | | | | | | |
| GRV09-600 | / | 482 | 600 | 5*100 | 368.0 | | | 26 | | | | | | |
| GRV09-700 | / | 570 | 700 | 6*100 | 424.0 | | | 30 | | | | | | |
| GRV09-800 | / | 658 | 800 | 7*100 | 480.0 | | | 34 | | | | | | |
| GRV09-900 | / | 746 | 900 | 8*100 | 536.0 | | | 38 | | | | | | |
| GRV09-1000 | / | 806 | 1000 | 9*100 | 606.0 | | | 43 | | | | | | |
| GRV09-1100 | / | 894 | 1100 | 10*100 | 662.0 | | | 47 | | | | | | |
| GRV09-1200 | / | 982 | 1200 | 11*100 | 718.0 | | | 51 | | | | | | |
| GRV12-200 | / | 160 | 58 | 28 | 26.9 | | | 200 | 1*100 | 50 | | 3.5 | Ø12 | 130.0 |
| GRV12-300 | / | 216 | | | | 300 | 2*100 | 202.0 | 11 | | | | | |
| GRV12-400 | / | 308 | | | | 400 | 3*100 | 256.0 | 14 | | | | | |
| GRV12-500 | / | 400 | | | | 500 | 4*100 | 310.0 | 17 | | | | | |
| GRV12-600 | / | 492 | | | | 600 | 5*100 | 364.0 | 20 | | | | | |
| GRV12-700 | / | 548 | | | | 700 | 6*100 | 436.0 | 24 | | | | | |
| GRV12-800 | / | 640 | | | | 800 | 7*100 | 490.0 | 27 | | | | | |
| GRV12-900 | / | 732 | | | | 900 | 8*100 | 544.0 | 30 | | | | | |
| GRV12-1000 | / | 824 | | | | 1000 | 9*100 | 598.0 | 33 | | | | | |
| GRV12-1100 | / | 916 | | | | 1100 | 10*100 | 652.0 | 36 | | | | | |
| GRV12-1200 | / | 972 | | | | 1200 | 11*100 | 724.0 | 40 | | | | | |

| | | | | | | |
|--------------------|--------|--------|-------------|-------------|----------|-----------------|
| Ordering Example : | GR | V | 06 | 200 | S | P |
| | Roller | V rail | Roller dia. | Rail length | Antirust | Precision Level |



Material Specification

| Material Component Model No. | Rail | Roller | Retainer |
|------------------------------|-------------|---------|----------|
| GRV | SUJ2 | | SUS304 |
| GRV - S | SUS440C +Ni | SUS440C | |

GRV-S No Surface finished to V-groove surface of the rail.

| Mounting Dimensions (mm) | | | | | Load Per Roller | | | Weight (g) / 2 Pieces | |
|--------------------------|-----|-----|------|-----|---------------------------|--------------------------|----------------|-----------------------|----------|
| A | M | d1 | d2 | B | Basic Dynamic Load Rating | Basic Static Load Rating | Allowable Load | Standard | Antirust |
| 6 | M6 | 5.3 | 9.5 | 5.2 | 2570N/1pcs | 2632N/1pcs | 877N/1pcs | 287 | 311 |
| | | | | | | | | 435 | 466 |
| | | | | | | | | 577 | 618 |
| | | | | | | | | 721 | 773 |
| | | | | | | | | 864 | 925 |
| | | | | | | | | 1006 | 1078 |
| | | | | | | | | 1150 | 1232 |
| | | | | | | | | 1292 | 1385 |
| | | | | | | | | 1436 | 1539 |
| | | | | | | | | 1579 | 1691 |
| | | | | | | | | 1273 | 1846 |
| | | | | | | | | 1267 | / |
| 9 | M8 | 6.8 | 10.5 | 6.2 | 7190N/1pcs | 7274N/1pcs | 2425N/1pcs | 1891 | / |
| | | | | | | | | 2509 | / |
| | | | | | | | | 3133 | / |
| | | | | | | | | 3756 | / |
| | | | | | | | | 4628.1 | / |
| | | | | | | | | 4915.2 | / |
| | | | | | | | | 5525.3 | / |
| | | | | | | | | 6140.9 | / |
| | | | | | | | | 6751.1 | / |
| | | | | | | | | 7361.2 | / |
| | | | | | | | | 1267 | / |
| | | | | | | | | 1891 | / |
| 12 | M10 | 8.5 | 13.5 | 8.2 | 14700N/1pcs | 13187N/1pcs | 4396N/1pcs | 2114 | / |
| | | | | | | | | 3161 | / |
| | | | | | | | | 4195 | / |
| | | | | | | | | 5242 | / |
| | | | | | | | | 6276 | / |
| | | | | | | | | 7734.8 | / |
| | | | | | | | | 8829.2 | / |
| | | | | | | | | 9261.2 | / |
| | | | | | | | | 10281.7 | / |
| | | | | | | | | 11302.3 | / |
| | | | | | | | | 12336.4 | / |
| | | | | | | | | 1267 | / |
| 1891 | / | | | | | | | | |
| 2509 | / | | | | | | | | |