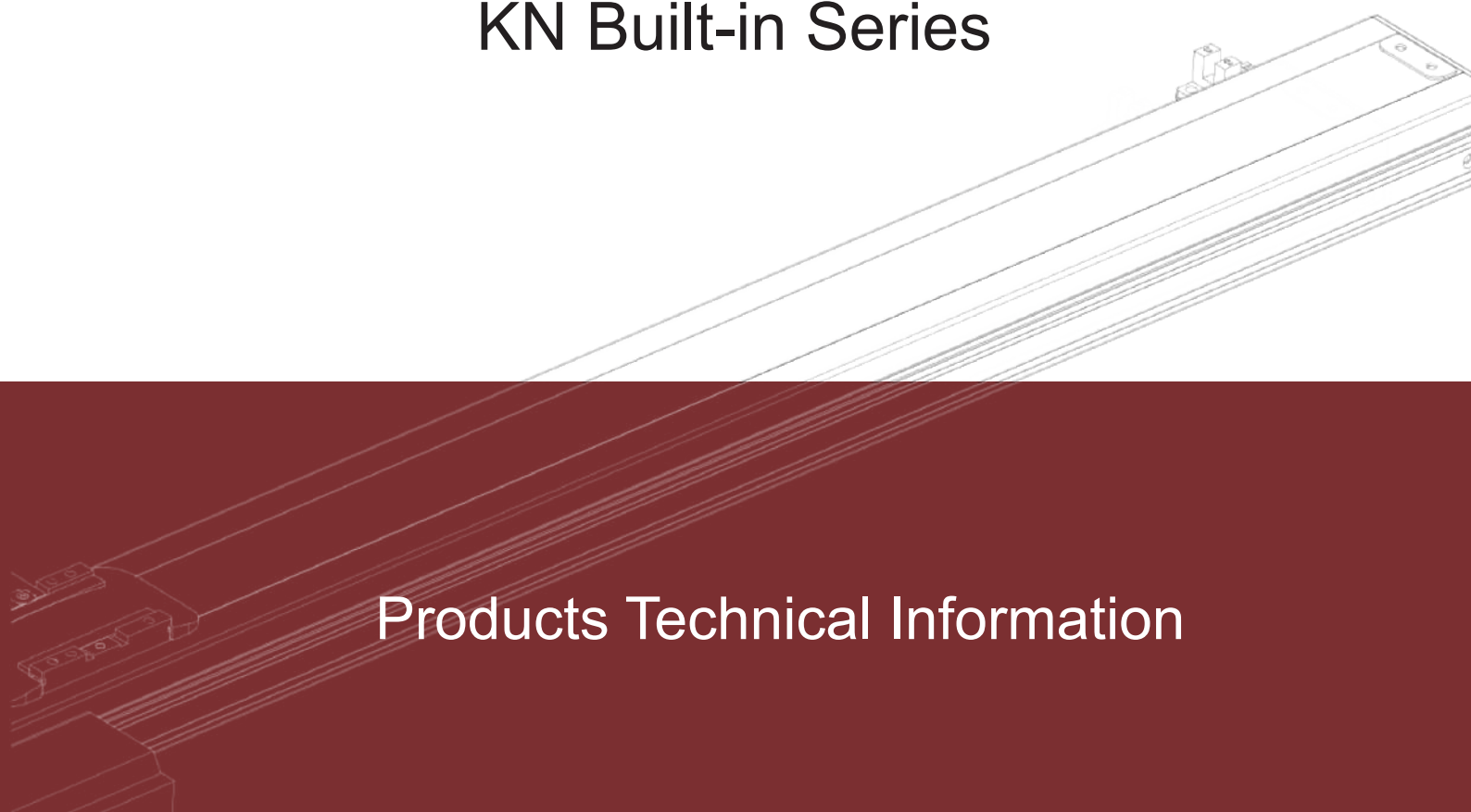


Linear Actuator  
KT Series  
KN Built-in Series

A technical line drawing of a linear actuator, showing its internal components and mounting points. The drawing is positioned diagonally across the bottom right of the page, with the top right corner of the actuator pointing towards the top right of the page. The drawing is rendered in a dark red color, matching the logo and the bottom bar.

Products Technical Information

# KT Series



## Model Descriptions

KT — 60 — 10 — P — E — 200 — E — B — 1 — E — F0 — S0 — M

①                      ②                      ③                      ④                      ⑤                      ⑥                      ⑦                      ⑧                      ⑨                      ⑩                      ⑪                      ⑫                      ⑬

①

| Model               |
|---------------------|
| KT/KTC/KTB          |
| C:Aluminum cover    |
| B:Bellows           |
| None: Without cover |

②

| Size               |
|--------------------|
| 30 40 50 60 86 100 |

③

| Ballscrew(B.S.)Lead |
|---------------------|
| KT30:1              |
| KT40:1              |
| KT50:2              |
| KT60:5,10,20        |
| KT86:10,20          |
| KT100:20            |

④

| Precision Grade |
|-----------------|
| P:Precision     |
| C:Normal        |

⑤

| Ballscrew Special Order |
|-------------------------|
| None: Normal Type       |

⑥

| Rail Length (mm)              |
|-------------------------------|
| KT30:75,100,125,150,175,200   |
| KT40:100,150,200              |
| KT50:150,200,250,300          |
| KT60:150,200,300,400,500,600  |
| KT86:340,440,540,640,740,940  |
| KT100:980,1080,1180,1280,1380 |

⑦

| Rail Special Order |
|--------------------|
| None: Normal Type  |

⑧

| Block Type  |
|-------------|
| B: Standard |

⑨

| Number of Block: 1, 2 |
|-----------------------|
|-----------------------|

⑩

| Block Special Order  |
|----------------------|
| None: Block Standard |

⑪

| Motor Adaptor Flange: |
|-----------------------|
| Ref. P.14~19          |

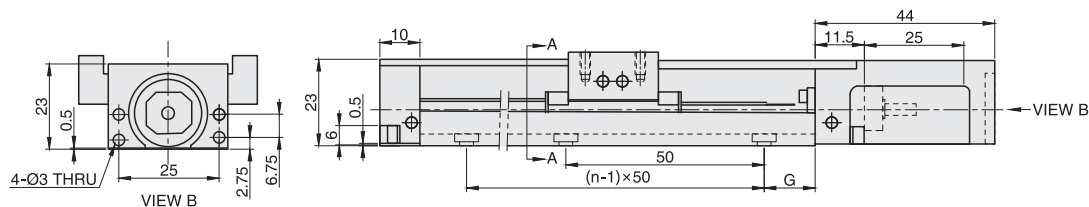
⑫

| Limit Switch:       |
|---------------------|
| S0:Switch Rail Only |
| S1: SX671           |
| S2: SX674           |
| S3: GX-F12A         |
| S4: GX-F12A-P       |

⑬

| M: With Motor       |
|---------------------|
| None: Without Motor |

Without cover/With cover

[illegible]2

# KT Series

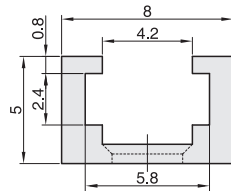
## KT30 Standard

Without cover/With cover

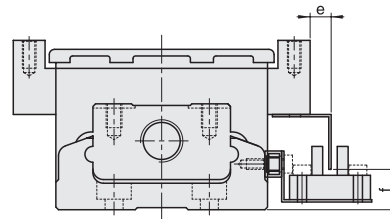


### Switch Rail

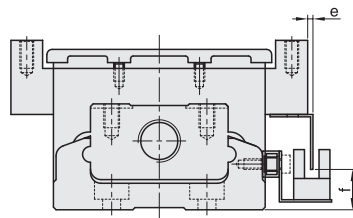
S0 (Switch Rail Only)



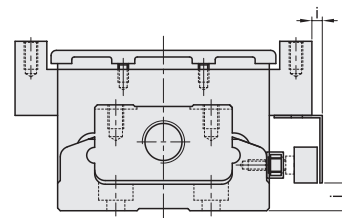
S1 (Switch Rail SX671)



S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)  
S4 (Switch Rail GX-F12A-P)



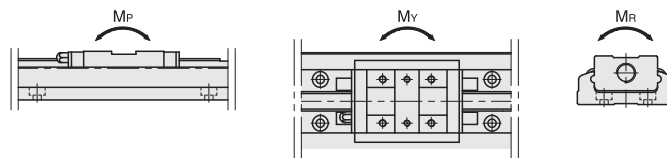
| Model | Switch Rail                |
|-------|----------------------------|
| KT30  | S1 (Switch Rail SX671)     |
|       | S2 (Switch Rail SX674)     |
|       | S3 (Switch Rail GX-F12A)   |
|       | S4 (Switch Rail GX-F12A-P) |

### Precision Grade

| Model         | Rail Length L2                        | Repeatability |           | Accuracy |           | Running Parallelism |           | Starting Torque (N·cm) |           |
|---------------|---------------------------------------|---------------|-----------|----------|-----------|---------------------|-----------|------------------------|-----------|
|               |                                       | Normal        | Precision | Normal   | Precision | Normal              | Precision | Normal                 | Precision |
| KT30<br>KTC30 | 75<br>100<br>125<br>150<br>175<br>200 | ±0.004        | ±0.003    | 0.040    | 0.020     | 0.010               | 0.010     | 0.8                    | 1.2       |

### Maximum Speed

| Model         | Ballscrew Lead (mm) | Rail Length L2 (mm)                   | Speed (mm/sec) |           |
|---------------|---------------------|---------------------------------------|----------------|-----------|
|               |                     |                                       | Normal         | Precision |
| KT30<br>KTC30 | 1                   | 75<br>100<br>125<br>150<br>175<br>200 | 160            | 160       |



### Specification

| Model         | Precision Grade     | Ballscrew             |           |                        |                       | Linear Guideway               |         |                              |         |                                           |          |          |          |                                         |          |          |          |                                          |          |          |          |
|---------------|---------------------|-----------------------|-----------|------------------------|-----------------------|-------------------------------|---------|------------------------------|---------|-------------------------------------------|----------|----------|----------|-----------------------------------------|----------|----------|----------|------------------------------------------|----------|----------|----------|
|               |                     | Nominal Diameter (mm) | Lead (mm) | Basic Dynamic Load (N) | Basic Static Load (N) | Basic Dynamic Load Rating (N) |         | Basic Static Load Rating (N) |         | Static Rated Moment                       |          |          |          |                                         |          |          |          |                                          |          |          |          |
|               |                     |                       |           |                        |                       | Block A                       | Block S | Block A                      | Block S | Allowable Static Moment MP (N·m/pitching) |          |          |          | Allowable Static Moment MY (N·m/yawing) |          |          |          | Allowable Static Moment MR (N·m/rolling) |          |          |          |
|               |                     |                       |           |                        |                       |                               |         |                              |         | Block A1                                  | Block A2 | Block S1 | Block S2 | Block A1                                | Block A2 | Block S1 | Block S2 | Block A1                                 | Block A2 | Block S1 | Block S2 |
| KT30<br>KTC30 | Normal<br>Precision | 6                     | 1         | 618<br>647             | 1079<br>1088          | 2210                          | -       | 3510                         | -       | 14                                        | 73       | -        | -        | 14                                      | 73       | -        | -        | 14                                       | 73       | -        | -        |

| Order | Model | Size | Rail Length | Number of Blocks | Precision Grade | Motor Adaptor Flange | Switch Rail |
|-------|-------|------|-------------|------------------|-----------------|----------------------|-------------|
|       | KT30  | 601  | L75         | B1               | P               | F1                   | S1          |
|       | KTC30 | 601  | L100        | B1               | P               | F1                   | S1          |

| Discount | Quantity | 1 ~ 5 | 5 ~        |
|----------|----------|-------|------------|
|          | Discount | 100%  | Negotiable |

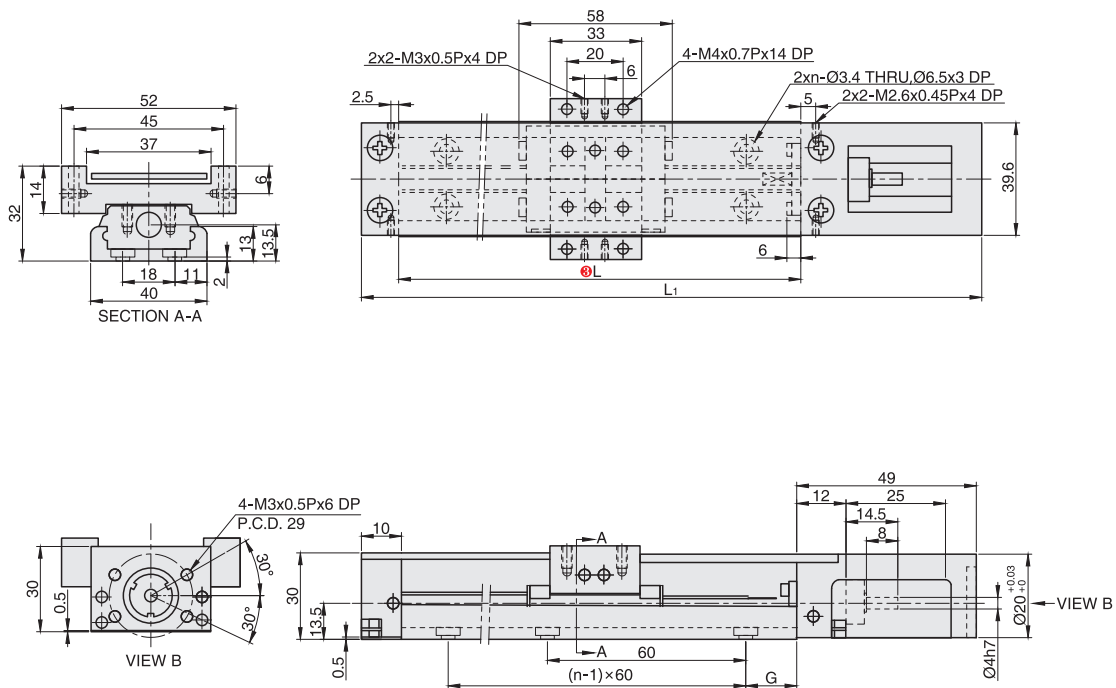
# KT Series

## KT40 Standard

Without cover/With cover



| Model            |            | Size | Type        | Ball screw<br>Lead | Block<br>Base | Base        |          | Motor Table        |                           | Cover              |                           |
|------------------|------------|------|-------------|--------------------|---------------|-------------|----------|--------------------|---------------------------|--------------------|---------------------------|
| Without<br>cover | With cover |      |             |                    |               | Material    | Hardness | Material           | Surface<br>treatment      | Material           | Surface<br>treatment      |
| KT40             | KTC40      | 40   | Servo Motor | 1                  | Alloy Steel   | Alloy Steel | 58~62HRC | Aluminum<br>alloys | Black Anodic<br>Oxidation | Aluminum<br>alloys | Black Anodic<br>Oxidation |



| Type          |      | Rail<br>Length     | Number<br>of Blocks | Precision<br>Grade        | Motor<br>Adapter<br>Flange | Switch Rail                                                                                                                                                                  | Ball screw |      | Total<br>Length<br>L1 | G  | n | Maximum Stroke  |                  | Without cover/<br>Mass(Kg) |                  | With cover/Mass(Kg) |                  |
|---------------|------|--------------------|---------------------|---------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|-----------------------|----|---|-----------------|------------------|----------------------------|------------------|---------------------|------------------|
| Model         | Size |                    |                     |                           |                            |                                                                                                                                                                              | Diameter   | Lead |                       |    |   | Single<br>Block | Double<br>Blocks | Single<br>Block            | Double<br>Blocks | Single<br>Block     | Double<br>Blocks |
| KT40<br>KTC40 | 801  | ※100<br>150<br>200 | B1(1)<br>B2(2)      | C(Normal)<br>P(Precision) | F1<br>F2<br>F3             | None: No Limit Switch and Switch Rail<br>S0 (Switch Rail Only)<br>S1 (Switch Rail SX671)<br>S2 (Switch Rail SX674)<br>S3 (Switch Rail GX-F12A)<br>S4 (Switch Rail GX-F12A-P) | 8          | 1    | 159                   | 20 | 2 | 36              | -                | 0.48                       | -                | 0.55                | -                |
|               |      |                    |                     |                           |                            |                                                                                                                                                                              |            |      |                       |    |   | 86              | 34               | 0.6                        | 0.67             | 0.68                | 0.76             |
|               |      |                    |                     |                           |                            |                                                                                                                                                                              |            |      | 259                   | 40 | 3 | 136             | 84               | 0.72                       | 0.79             | 0.82                | 0.89             |

The rail length marked ※ is only with single block.

# KT Series

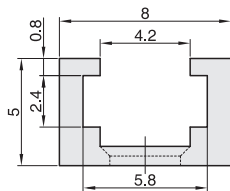
## KT40 Standard

Without cover/With cover

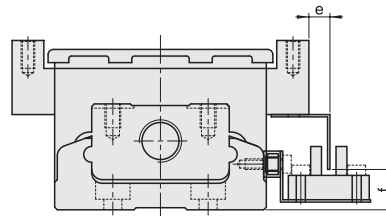


### Switch Rail

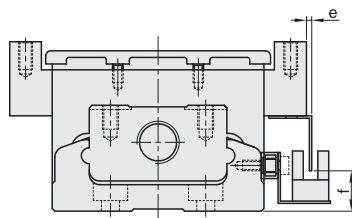
S0(Switch Rail Only)



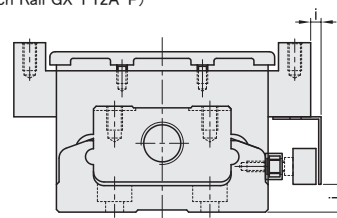
S1(Switch Rail SX671)



S2(Switch Rail SX674)



S3(Switch Rail GX-F12A)  
S4(Switch Rail GX-F12A-P)



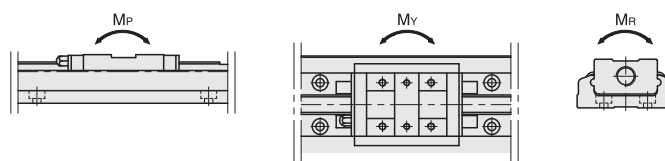
| Model | Switch Rail               | e    | f  | i    | j   |
|-------|---------------------------|------|----|------|-----|
| KT40  | S1(Switch Rail SX671)     | 15.3 | 12 | -    | -   |
|       | S2(Switch Rail SX674)     | 10.5 |    |      |     |
|       | S3(Switch Rail GX-F12A)   | -    | -  | 13.5 | 5.5 |
|       | S4(Switch Rail GX-F12A-P) | -    |    |      |     |

### Precision Grade

| Model         | Rail Length L2    | Repeatability |           | Accuracy |           | Running Parallelism |           | Starting Torque(N·cm) |           |
|---------------|-------------------|---------------|-----------|----------|-----------|---------------------|-----------|-----------------------|-----------|
|               |                   | Normal        | Precision | Normal   | Precision | Normal              | Precision | Normal                | Precision |
| KT40<br>KTC40 | 100<br>150<br>200 | ±0.01         | ±0.003    | -        | 0.020     | -                   | 0.010     | 0.8                   | 1.2       |

### Maximum Speed

| Model         | Ballscrew Lead(mm) | Rail Length L2(mm) | Speed(mm/sec) |           |
|---------------|--------------------|--------------------|---------------|-----------|
|               |                    |                    | Normal        | Precision |
| KT40<br>KTC40 | 1                  | 100<br>150<br>200  | 190           | 190       |



### Specification

| Model         | Precision Grade     | Ballscrew             |           |                        |                       | Linear Guideway              |         |                             |         |                                            |          |          |          |                                          |          |          |          |                                           |          |          |          |
|---------------|---------------------|-----------------------|-----------|------------------------|-----------------------|------------------------------|---------|-----------------------------|---------|--------------------------------------------|----------|----------|----------|------------------------------------------|----------|----------|----------|-------------------------------------------|----------|----------|----------|
|               |                     | Nominal Diameter (mm) | Lead (mm) | Basic Dynamic Load (N) | Basic Static Load (N) | Basic Dynamic Load Rating(N) |         | Basic Static Load Rating(N) |         | Static Rated Moment                        |          |          |          |                                          |          |          |          |                                           |          |          |          |
|               |                     |                       |           |                        |                       | Block A                      | Block S | Block A                     | Block S | Allowable Static Moment Mp (N·m)(pitching) |          |          |          | Allowable Static Moment MY (N·m)(yawing) |          |          |          | Allowable Static Moment MR (N·m)(rolling) |          |          |          |
|               |                     |                       |           |                        |                       |                              |         |                             |         | Block A1                                   | Block A2 | Block S1 | Block S2 | Block A1                                 | Block A2 | Block S1 | Block S2 | Block A1                                  | Block A2 | Block S1 | Block S2 |
| KT40<br>KTC40 | Normal<br>Precision | 8                     | 1         | 676<br>735             | 1284<br>1538          | 3920                         | -       | 6468                        | -       | 33                                         | 182      | -        | -        | 33                                       | 182      | -        | -        | 33                                        | 182      | -        | -        |

| Order | Model | Size | Rail Length L | Number of Blocks | Precision Grade | Motor Adaptor Flange | Switch Rail |
|-------|-------|------|---------------|------------------|-----------------|----------------------|-------------|
|       | KT40  | 801  | L100          | B1               | P               | F1                   | S1          |
|       | KTC40 | 801  | L150          | B1               | P               | F1                   | S1          |

| Discount | Quantity | 1 ~ 5 | 5 ~        |
|----------|----------|-------|------------|
|          | Discount | 100%  | Negotiable |

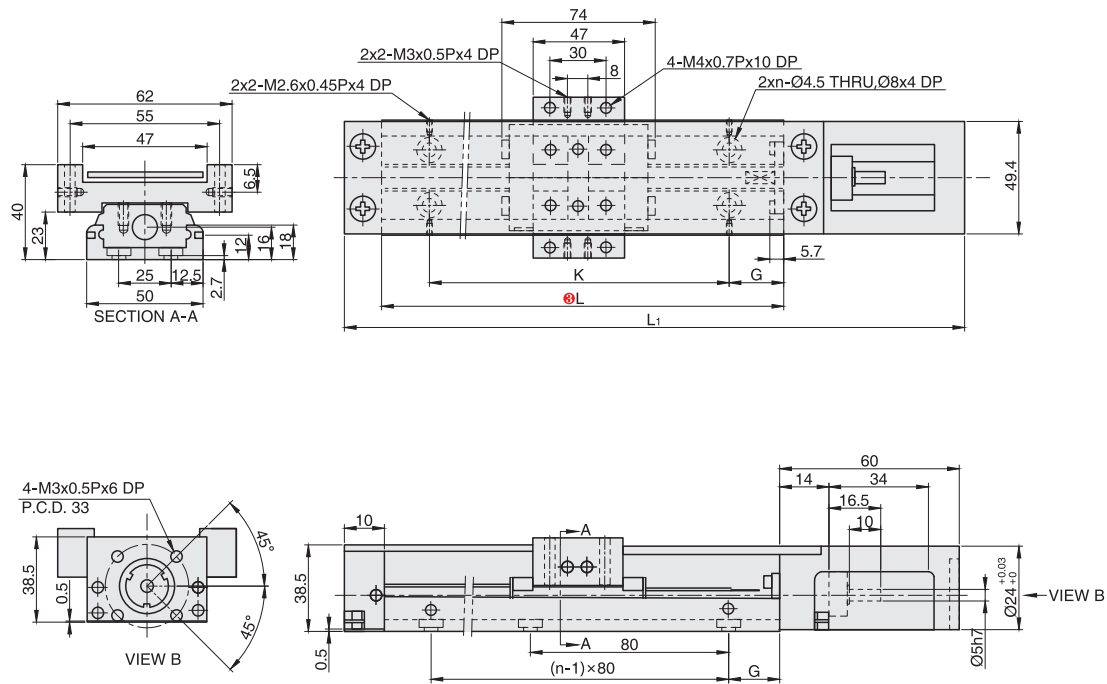
# KT Series

## KT50 Standard

Without cover/With cover



| Model         |            | Size | Type        | Ballscrew Lead | Block       |             |          | Motor Table     |                        | Cover           |                        |
|---------------|------------|------|-------------|----------------|-------------|-------------|----------|-----------------|------------------------|-----------------|------------------------|
| Without cover | With cover |      |             |                | Base        | Material    | Hardness | Material        | Surface treatment      | Material        | Surface treatment      |
| KT50          | KTC50      | 50   | Servo Motor | 2              | Alloy Steel | Alloy Steel | 58~62HRC | Aluminum alloys | Black Anodic Oxidation | Aluminum alloys | Black Anodic Oxidation |



| Type          |      | Rail Length | Number of Blocks | Precision Grade | Motor Adapter Flange | Switch Rail                                                                                                                                                                  | Ballscrew |      | Total Length L1 | G  | n | Maximum Stroke |               | Without cover/ Mass(Kg) |               |
|---------------|------|-------------|------------------|-----------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|-----------------|----|---|----------------|---------------|-------------------------|---------------|
| Model         | Size |             |                  |                 |                      |                                                                                                                                                                              | Diameter  | Lead |                 |    |   | Single Block   | Double Blocks | Single Block            | Double Blocks |
| KT50<br>KTC50 | 802  | 150         | B1(1)            | C(Normal)       | F1                   | None: No Limit Switch and Switch Rail<br>S0 (Switch Rail Only)<br>S1 (Switch Rail SX671)<br>S2 (Switch Rail SX674)<br>S3 (Switch Rail GX-F12A)<br>S4 (Switch Rail GX-F12A-P) | 8         | 2    | 220             | 35 | 2 | 70             | -             | 1.1                     | 1.5           |
|               |      | 200         | B2(2)            | P(Precision)    | F2                   |                                                                                                                                                                              |           |      | 270             | 20 | 3 | 120            | 55            | 1.3                     | 1.8           |
|               |      | 250         |                  |                 | F3                   |                                                                                                                                                                              |           |      | 320             | 45 | 3 | 170            | 105           | 1.6                     | 1.8           |
|               |      | 300         |                  |                 |                      |                                                                                                                                                                              |           |      | 370             | 30 | 4 | 220            | 155           | 1.8                     | 2.0           |

The rail length marked ※ is only with single block.

# KT Series

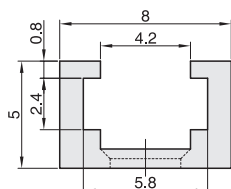
## KT50 Standard

Without cover/With cover

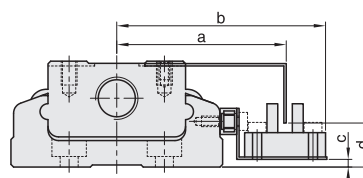


### Switch Rail

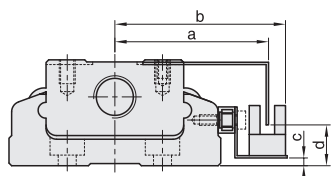
S0 (Switch Rail Only)



S1 (Switch Rail SX671)

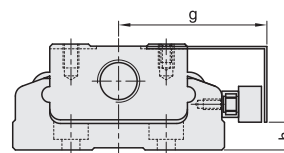


S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)

S4 (Switch Rail GX-F12A-P)



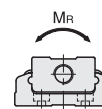
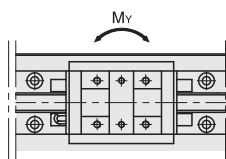
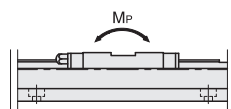
| Model | Switch Rail                | a    | b  | c | d    | g    | h   |
|-------|----------------------------|------|----|---|------|------|-----|
| KT50  | S1 (Switch Rail SX671)     | 45.5 | 59 | 1 | 10   | -    | -   |
|       | S2 (Switch Rail SX674)     | 41.3 | 48 |   | 10.5 |      |     |
|       | S3 (Switch Rail GX-F12A)   | -    | -  | - | -    | 39.5 | 5.7 |
|       | S4 (Switch Rail GX-F12A-P) | -    | -  | - | -    |      |     |

### Precision Grade

| Model | Rail Length L2 | Repeatability |           | Accuracy |           | Running Parallelism |           | Starting Torque(N·cm) |           |
|-------|----------------|---------------|-----------|----------|-----------|---------------------|-----------|-----------------------|-----------|
|       |                | Normal        | Precision | Normal   | Precision | Normal              | Precision | Normal                | Precision |
| KT50  | 150            | ±0.005        | ±0.003    | -        | ±0.020    | -                   | 0.010     | 2                     | 4         |
|       | 200            |               |           |          |           |                     |           |                       |           |
| KTC50 | 250            |               |           |          |           |                     |           |                       |           |
|       | 300            |               |           |          |           |                     |           |                       |           |

### Maximum Speed

| Model | Ballscrew Lead(mm) | Rail Length L2(mm) | Speed (mm/sec) |           |
|-------|--------------------|--------------------|----------------|-----------|
|       |                    |                    | Normal         | Precision |
| KT50  | 2                  | 150                | 270            | 270       |
|       |                    | 200                | 270            | 270       |
|       |                    | 250                | 270            | 270       |
|       |                    | 300                | 270            | 270       |



### Specification

| Model | Precision Grade | Ballscrew             |           |                       |                      | Linear Guideway              |        |                             |        |                                           |     |   |   |                                         |     |   |   |
|-------|-----------------|-----------------------|-----------|-----------------------|----------------------|------------------------------|--------|-----------------------------|--------|-------------------------------------------|-----|---|---|-----------------------------------------|-----|---|---|
|       |                 | Nominal Diameter (mm) | Lead (mm) | Basic Dynamic Load(N) | Basic Static Load(N) | Basic Dynamic Load Rating(N) |        | Basic Static Load Rating(N) |        | Static Rated Moment                       |     |   |   |                                         |     |   |   |
|       |                 |                       |           |                       |                      | BlockA                       | BlockS | BlockA                      | BlockS | Allowable Static Moment Mp(N·m)(pitching) |     |   |   | Allowable Static Moment MY(N·m)(yawing) |     |   |   |
| KT50  | Normal          | 8                     | 2         | 1813                  | 2910                 | 8007                         | -      | 12916                       | -      | 116                                       | 545 | - | - | 116                                     | 545 | - | - |
| KTC50 | Precision       |                       |           | 2136                  | 3489                 |                              |        |                             |        |                                           |     |   |   |                                         |     |   |   |

|  |       |       |      |               |                  |                 |                      |             |
|--|-------|-------|------|---------------|------------------|-----------------|----------------------|-------------|
|  | Order | Model | Size | Rail Length L | Number of Blocks | Precision Grade | Motor Adaptor Flange | Switch Rail |
|  |       | KT50  | 0802 | L150          | B1               | P               | F1                   | S1          |
|  |       | KTC50 | 0802 | L150          | B1               | P               | F1                   | S1          |

|  |          |          |       |            |
|--|----------|----------|-------|------------|
|  | Discount | Quantity | 1 ~ 5 | 5 ~        |
|  |          | Discount | 100%  | Negotiable |

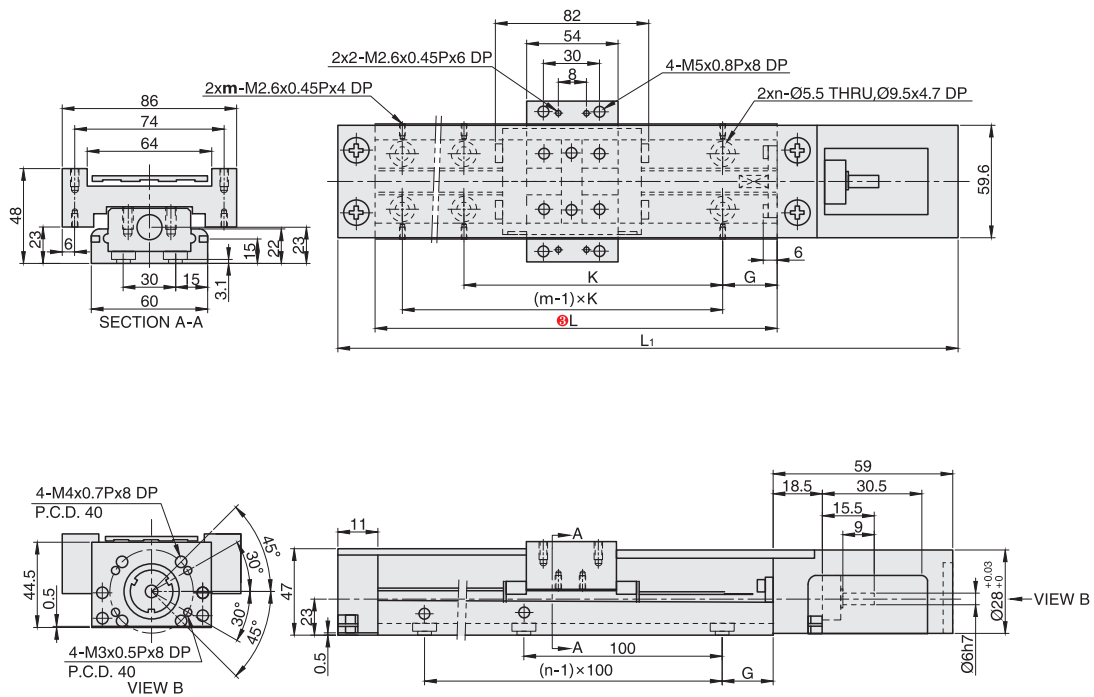
# KT Series

## KT60 Standard

Without cover/With cover



| Model         |            | Size | Type        | Ballscrew Lead | Block Base  | Base        |          | Motor Table     |                        | Cover           |                        |
|---------------|------------|------|-------------|----------------|-------------|-------------|----------|-----------------|------------------------|-----------------|------------------------|
| Without cover | With cover |      |             |                |             | Material    | Hardness | Material        | Surface treatment      | Material        | Surface treatment      |
| KT60          | KTC60      | 60   | Servo Motor | 5:10           | Alloy Steel | Alloy Steel | 58~62HRC | Aluminum alloys | Black Anodic Oxidation | Aluminum alloys | Black Anodic Oxidation |

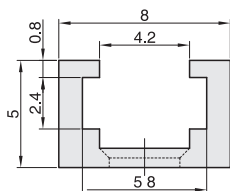


| Type          |      | Rail Length | Number of Blocks          | Precision Grade           | Motor Adapter Flange | Switch Rail                           | Ballscrew |                       | Total Length L1 | G   | n   | K   | m   | Maximum Stroke |               | Without cover/ Mass(Kg) |               | With cover/ Mass (Kg) |               |     |    |
|---------------|------|-------------|---------------------------|---------------------------|----------------------|---------------------------------------|-----------|-----------------------|-----------------|-----|-----|-----|-----|----------------|---------------|-------------------------|---------------|-----------------------|---------------|-----|----|
| Model         | Size |             |                           |                           |                      |                                       | Diameter  | Lead                  |                 |     |     |     |     | Single Block   | Double Blocks | Single Block            | Double Blocks | Single Block          | Double Blocks |     |    |
| KT60<br>KTC60 | 1205 | ※150        | B1(1)<br>B2(2)            | C(Normal)<br>P(Precision) | F1                   | None: No Limit Switch and Switch Rail | 12        | 5                     | 220             | 2   | 2   | 10  | 2   | 60             | -             | 1.5                     | -             | 1.7                   | -             |     |    |
|               | 1210 |             |                           |                           |                      |                                       |           | 10                    |                 |     |     |     |     |                |               |                         |               |                       |               |     |    |
|               | 1205 |             |                           |                           |                      |                                       |           | 5                     |                 |     |     |     |     |                |               |                         |               |                       |               |     |    |
|               | 1210 | ※200        |                           |                           | F2                   |                                       |           | S0(Switch Rail Only)  | 5               |     | 270 | 2   | 10  | 2              | 110           | -                       | 1.8           | -                     | 2.1           | -   |    |
|               | 1205 |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                |               |                         |               |                       |               |     | 5  |
|               | 1210 |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                |               |                         |               |                       |               |     | 10 |
|               | 1205 | 300         |                           |                           | F3                   |                                       |           | S1(Switch Rail SX671) | 5               |     | 370 | 3   | 20  | 2              | 210           | 135                     | 2.4           | 2.7                   | 2.7           | 3.0 |    |
|               | 1210 |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                |               |                         |               |                       |               |     | 10 |
|               | 1205 |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                |               |                         |               |                       |               |     | 5  |
|               | 1210 | 400         |                           |                           | F4                   |                                       |           | S2(Switch Rail SX674) | 5               |     | 470 | 4   | 10  | 4              | 310           | 235                     | 3             | 3.3                   | 3.3           | 3.6 |    |
|               | 1205 |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                |               |                         |               |                       |               |     | 5  |
|               | 1210 |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                |               |                         |               |                       |               |     | 10 |
| 1205          | 500  | F5          | S3(Switch Rail GX-F12A)   | 5                         | 570                  | 5                                     | 20        | 3                     | 410             | 335 | 3.6 | 3.9 | 3.9 | 4.2            |               |                         |               |                       |               |     |    |
| 1210          |      |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                | 10            |                         |               |                       |               |     |    |
| 1205          |      |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                | 5             |                         |               |                       |               |     |    |
| 1210          | 600  | F6          | S4(Switch Rail GX-F12A-P) | 5                         | 670                  | 6                                     | 10        | 6                     | 510             | 435 | 4.2 | 4.6 | 4.6 | 5.0            |               |                         |               |                       |               |     |    |
| 1205          |      |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                | 5             |                         |               |                       |               |     |    |
| 1210          |      |             |                           |                           |                      |                                       |           |                       |                 |     |     |     |     |                | 10            |                         |               |                       |               |     |    |

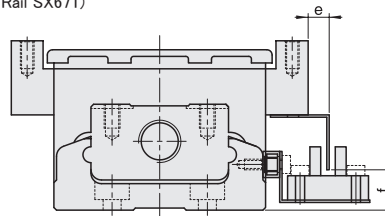
The rail length marked ※ is only with single block.

### Switch Rail

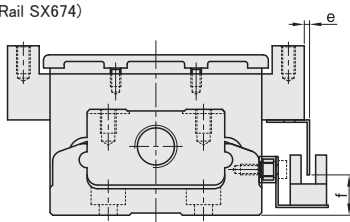
S0(Switch Rail Only)



S1 (Switch Rail SX671)

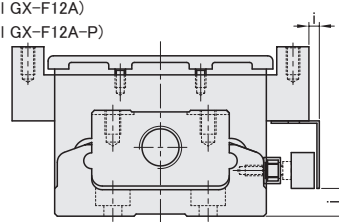


S2(Switch Rail SX674)



S3(Switch Rail GX-F12A)

S4(Switch Rail GX-F12A-P)



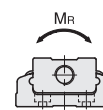
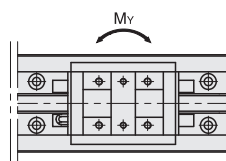
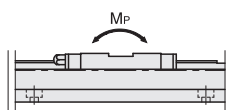
| Model | Switch Rail                | e   | f  | i | j |
|-------|----------------------------|-----|----|---|---|
| KT60  | S1 (Switch Rail SX671)     | 8   | 13 | - | - |
|       | S2 (Switch Rail SX674)     | 3.2 |    |   |   |
|       | S3 (Switch Rail GX-F12A)   | -   | -  | 2 | 9 |
|       | S4 (Switch Rail GX-F12A-P) | -   | -  | - | - |

### Precision Grade

| Model         | Rail Length L2 | Repeatability |           | Accuracy |           | Running Parallelism |           | Starting Torque(N-cm) |           |
|---------------|----------------|---------------|-----------|----------|-----------|---------------------|-----------|-----------------------|-----------|
|               |                | Normal        | Precision | Normal   | Precision | Normal              | Precision | Normal                | Precision |
| KT60<br>KTC60 | 150            | ±0.005        | ±0.003    | -        | 0.020     | -                   | 0.010     | 7                     | 15        |
|               | 200            |               |           |          |           |                     |           |                       |           |
|               | 300            |               |           |          |           |                     |           |                       |           |
|               | 400            |               |           |          |           |                     |           |                       |           |
|               | 500            |               |           |          |           |                     |           |                       |           |
|               | 600            |               |           |          |           |                     |           |                       |           |

### Maximum Speed

| Model         | Ballscrew Lead(mm) | Rail Length L2(mm) | Speed(mm/sec) |           |
|---------------|--------------------|--------------------|---------------|-----------|
|               |                    |                    | Normal        | Precision |
| KT60<br>KTC60 | 5                  | 150                | 390           | 550       |
|               |                    | 200                |               |           |
|               |                    | 300                |               |           |
|               |                    | 400                | 340           | 340       |
|               |                    | 500                |               |           |
|               |                    | 600                |               |           |
|               | 10                 | 150                | 790           | 1100      |
|               |                    | 200                |               |           |
|               |                    | 300                |               |           |
|               |                    | 400                | 670           | 670       |
|               |                    | 500                |               |           |
|               |                    | 600                |               |           |



### Specification

| Model         | Precision Grade | Ballscrew             |           |                       |                      | Linear Guideway              |        |                             |        |                                           |        |         |         |         |                                         |         |         |         |         |
|---------------|-----------------|-----------------------|-----------|-----------------------|----------------------|------------------------------|--------|-----------------------------|--------|-------------------------------------------|--------|---------|---------|---------|-----------------------------------------|---------|---------|---------|---------|
|               |                 | Nominal Diameter (mm) | Lead (mm) | Basic Dynamic Load(N) | Basic Static Load(N) | Basic Dynamic Load Rating(N) |        | Basic Static Load Rating(N) |        | Static Rated Moment                       |        |         |         |         |                                         |         |         |         |         |
|               |                 |                       |           |                       |                      |                              |        |                             |        | Allowable Static Moment Mp(N-m)(pitching) |        |         |         |         | Allowable Static Moment MY(N-m)(yawing) |         |         |         |         |
|               |                 |                       |           |                       |                      | BlockA                       | BlockS | BlockA                      | BlockS | BlockA1                                   | Block2 | BlockS1 | BlockS2 | BlockA1 | BlockA2                                 | BlockS1 | BlockS2 | BlockA1 | BlockA2 |
| KT60<br>KTC60 | Normal          | 12                    | 5         | 3377                  | 5625                 | 13230                        | 7173   | 21462                       | 11574  | 152                                       | 760    | 72      | 362     | 152     | 760                                     | 72      | 367     | 419     | 838     |
|               | Precision       |                       |           | 3744                  | 6243                 |                              |        |                             |        |                                           |        |         |         |         |                                         |         |         |         |         |
|               | Normal          | 12                    | 10        | 2107                  | 3234                 | 13230                        | 7173   | 21462                       | 11574  | 152                                       | 760    | 72      | 362     | 152     | 760                                     | 72      | 367     | 419     | 838     |
|               | Precision       |                       |           | 2410                  | 3743                 |                              |        |                             |        |                                           |        |         |         |         |                                         |         |         |         |         |

| Order | Model | Size | Rail Length L | Number of Blocks | Precision Grade | Motor Adaptor Flange | Switch Rail |
|-------|-------|------|---------------|------------------|-----------------|----------------------|-------------|
|       | KT60  | 1205 | L150          | B1               | P               | F1                   | S1          |
|       | KTC60 | 1205 | L150          | B1               | P               | F1                   | S1          |

| Discount | Quantity | 1~5  | 5~         |
|----------|----------|------|------------|
|          | Discount | 100% | Negotiable |

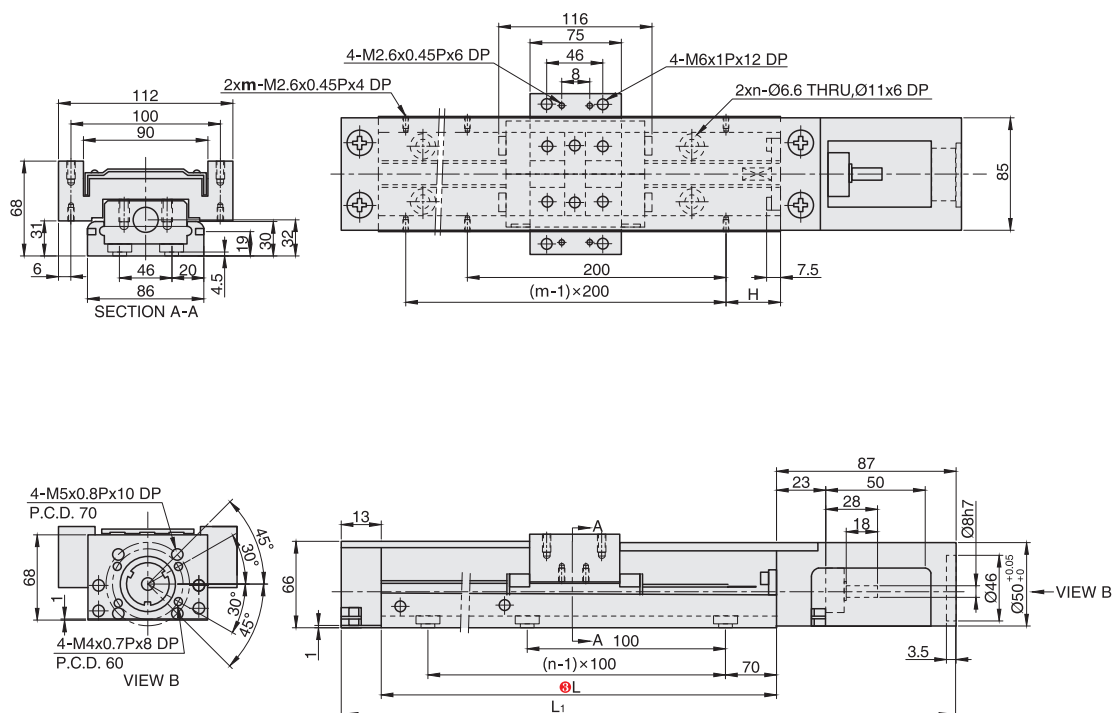
# KTSeries

## KT86 Standard

Without cover/With cover



| Model         |            | Size | Type        | Ball screw<br>Lead | Block       |             |          | Motor Table     |                        | Cover           |                        |
|---------------|------------|------|-------------|--------------------|-------------|-------------|----------|-----------------|------------------------|-----------------|------------------------|
| Without cover | With cover |      |             |                    | Base        | Material    | Hardness | Material        | Surface treatment      | Material        | Surface treatment      |
| KT86          | KTC86      | 86   | Servo Motor | 10 · 20            | Alloy Steel | Alloy Steel | 58~62HRC | Aluminum alloys | Black Anodic Oxidation | Aluminum alloys | Black Anodic Oxidation |



| Type          |      | Rail Length | Number of Blocks | Precision Grade           | Motor Adapter Flange             | Switch Rail                                                                                                                                                             | Ballscrew |       | Total Length L1 | H    | n    | m    | Maximum Stroke |               | Without cover/ Mass(Kg) |               | With cover/ Mass (Kg) |               |
|---------------|------|-------------|------------------|---------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|-----------------|------|------|------|----------------|---------------|-------------------------|---------------|-----------------------|---------------|
| Model         | Size |             |                  |                           |                                  |                                                                                                                                                                         | Diameter  | Lead  |                 |      |      |      | Single Block   | Double Blocks | Single Block            | Double Blocks | Single Block          | Double Blocks |
| KT86<br>KTC86 | 1510 | 340         | B1(1)<br>B2(2)   | C(Normal)<br>P(Precision) | F1<br>F2<br>F3<br>F4<br>F5<br>F6 | None: No Limit Switch and Switch Rail<br>S0(Switch Rail Only)<br>S1(Switch Rail SX671)<br>S2(Switch Rail SX674)<br>S3(Switch Rail GX-F12A)<br>S4(Switch Rail GX-F12A-P) | 15        | 10    | 440             | 70   | 3    | 2    | 216.5          | 108.5         | 5.7                     | 6.5           | 6.5                   | 7.3           |
|               | 1520 |             |                  |                           |                                  |                                                                                                                                                                         |           | 20    |                 |      |      |      |                |               |                         |               |                       |               |
|               | 1510 | 440         |                  |                           |                                  |                                                                                                                                                                         |           | 10    | 540             | 20   | 4    | 3    | 316.5          | 208.5         | 6.9                     | 7.7           | 7.8                   | 8.6           |
|               | 1520 |             |                  |                           |                                  |                                                                                                                                                                         |           |       |                 |      |      |      |                |               |                         |               |                       |               |
|               | 1510 | 540         |                  |                           |                                  |                                                                                                                                                                         |           | 10    | 640             | 70   | 5    | 3    | 416.5          | 308.5         | 8.0                     | 8.8           | 9.0                   | 9.8           |
|               | 1520 |             |                  |                           |                                  |                                                                                                                                                                         |           |       |                 |      |      |      |                |               |                         |               |                       |               |
|               | 1510 | 640         |                  |                           |                                  |                                                                                                                                                                         |           | 10    | 740             | 20   | 6    | 4    | 516.5          | 408.5         | 9.2                     | 10.0          | 10.3                  | 11.3          |
|               | 1520 |             |                  |                           |                                  |                                                                                                                                                                         |           |       |                 |      |      |      |                |               |                         |               |                       |               |
|               | 1510 | 740         |                  |                           |                                  |                                                                                                                                                                         |           | 10    | 840             | 70   | 7    | 4    | 616.5          | 508.5         | 10.4                    | 11.2          | 11.6                  | 12.4          |
|               | 1520 |             |                  |                           |                                  |                                                                                                                                                                         |           |       |                 |      |      |      |                |               |                         |               |                       |               |
| 1510          | 940  | 10          | 1040             | 70                        | 9                                | 5                                                                                                                                                                       | 816.5     | 708.5 | 11.6            | 12.4 | 13.0 | 13.8 |                |               |                         |               |                       |               |
| 1520          |      |             |                  |                           |                                  |                                                                                                                                                                         |           |       |                 |      |      |      | 20             |               |                         |               |                       |               |

# KT Series

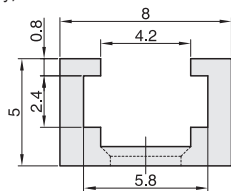
## KT86 Standard

Without cover/With cover

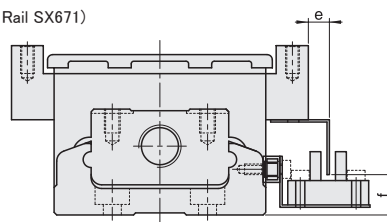


### Switch Rail

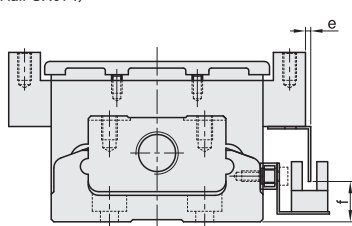
S0 (Switch Rail Only)



S1 (Switch Rail SX671)

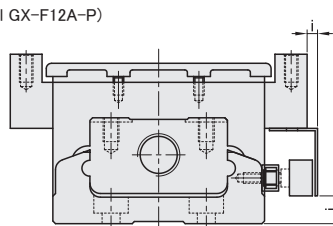


S2 (Switch Rail SX674)



S3 (Switch Rail GX-F12A)

S4 (Switch Rail GX-F12A-P)



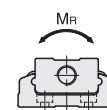
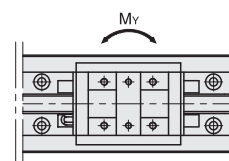
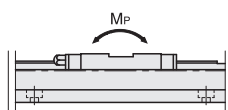
| Model | Switch Rail                | e | f  | i | j  |
|-------|----------------------------|---|----|---|----|
| KT86  | S1 (Switch Rail SX671)     | 8 | 18 | - | -  |
|       | S2 (Switch Rail SX674)     | 3 |    |   |    |
|       | S3 (Switch Rail GX-F12A)   | - | -  | 1 | 13 |
|       | S4 (Switch Rail GX-F12A-P) | - |    |   |    |

### Precision Grade

| Model         | Rail Length L2 | Repeatability |           | Accuracy |           | Running Parallelism |           | Starting Torque(N-cm) |           |    |
|---------------|----------------|---------------|-----------|----------|-----------|---------------------|-----------|-----------------------|-----------|----|
|               |                | Normal        | Precision | Normal   | Precision | Normal              | Precision | Normal                | Precision |    |
| KT86<br>KTC86 | 340            | ±0.005        | ±0.003    | -        | 0.025     | -                   | 0.015     | 10                    | 15        |    |
|               | 440            |               |           |          |           |                     |           |                       |           |    |
|               | 540            |               |           |          |           |                     |           |                       |           |    |
|               | 640            |               |           |          | 0.030     |                     | 0.020     |                       |           | 17 |
|               | 740            |               |           |          |           |                     |           |                       |           |    |
|               | 940            |               |           |          |           |                     |           |                       |           |    |

### Maximum Speed

| Model         | Ballscrew Lead(mm) | Rail Length L2(mm) | Speed(mm/sec) |           |
|---------------|--------------------|--------------------|---------------|-----------|
|               |                    |                    | Normal        | Precision |
| KT86<br>KTC86 | 10                 | 340                | 520           | 740       |
|               |                    | 440                |               |           |
|               |                    | 540                |               |           |
|               |                    | 640                |               |           |
|               |                    | 740                |               |           |
|               |                    | 940                |               |           |
|               | 20                 | 340                | 1050          | 1480      |
|               |                    | 440                |               |           |
|               |                    | 540                |               |           |
|               |                    | 640                |               |           |
|               | 740                | 940                | 870           | 1220      |
|               |                    |                    |               |           |



### Specification

| Model         | Precision Grade | Ballscrew             |           |                       |                      | Linear Guideway              |        |                             |        |                                           |         |         |         |         |                                         |         |         |         |         |
|---------------|-----------------|-----------------------|-----------|-----------------------|----------------------|------------------------------|--------|-----------------------------|--------|-------------------------------------------|---------|---------|---------|---------|-----------------------------------------|---------|---------|---------|---------|
|               |                 | Nominal Diameter (mm) | Lead (mm) | Basic Dynamic Load(N) | Basic Static Load(N) | Basic Dynamic Load Rating(N) |        | Basic Static Load Rating(N) |        | Static Rated Moment                       |         |         |         |         |                                         |         |         |         |         |
|               |                 |                       |           |                       |                      | BlockA                       | BlockS | BlockA                      | BlockS | Allowable Static Moment Mp(N-m)(pitching) |         |         |         |         | Allowable Static Moment MY(N-m)(yawing) |         |         |         |         |
|               |                 |                       |           |                       |                      |                              |        |                             |        | BlockA1                                   | BlockA2 | BlockS1 | BlockS2 | BlockA1 | BlockA2                                 | BlockS1 | BlockS2 | BlockA1 | BlockA2 |
| KT86<br>KTC86 | Normal          | 15                    | 10        | 6429                  | 11387                | 31458                        | 21051  | 50764                       | 29475  | 662                                       | 3050    | 228     | 1309    | 622     | 3050                                    | 228     | 1309    | 1507    | 3014    |
|               | Precision       |                       |           | 7144                  | 12642                |                              |        |                             |        |                                           |         |         |         |         |                                         |         |         |         |         |
|               | Normal          | 15                    | 20        | 4175                  | 6889                 |                              |        |                             |        |                                           |         |         |         |         |                                         |         |         |         |         |
|               | Precision       |                       |           | 4645                  | 7655                 |                              |        |                             |        |                                           |         |         |         |         |                                         |         |         |         |         |

| Order | Model | Size | Rail Length L | Number of Blocks | Precision Grade | Motor Adaptor Flange | Switch Rail |
|-------|-------|------|---------------|------------------|-----------------|----------------------|-------------|
|       | KT86  | 1510 | L340          | B2               | P               | F1                   | S1          |
|       | KTC86 | 1510 | L440          | B2               | P               | F1                   | S1          |

| Discount | Quantity | 1~5  | 5~         |
|----------|----------|------|------------|
|          | Discount | 100% | Negotiable |

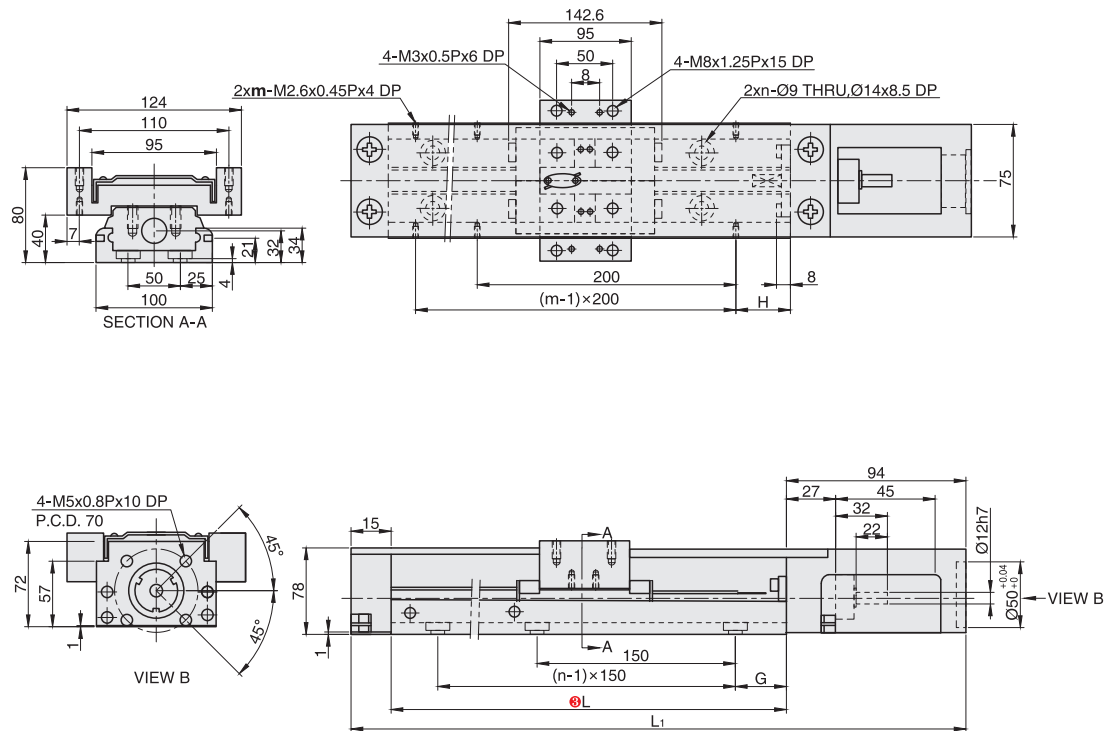
# KT Series

## KT100 Standard

Without cover/With cover



| Model         |            | Size | Type        | Ballscrew Lead | Block       |             |          | Motor Table     |                        | Cover           |                        |
|---------------|------------|------|-------------|----------------|-------------|-------------|----------|-----------------|------------------------|-----------------|------------------------|
| Without cover | With cover |      |             |                | Base        | Material    | Hardness | Material        | Surface treatment      | Material        | Surface treatment      |
| KT100         | KTC100     | 100  | Servo Motor | 20             | Alloy Steel | Alloy Steel | 58~62HRC | Aluminum alloys | Black Anodic Oxidation | Aluminum alloys | Black Anodic Oxidation |



| Type            |      | Rail Length | Number of Blocks | Precision Grade           | Motor Adapter Flange | Switch Rail                                                                                                                                                                  | Ballscrew |      | Total Length L1 | G  | H  | n  | m | Maximum Stroke |               | Without cover/ Mass(Kg) |               | With cover/ Mass (Kg) |               |
|-----------------|------|-------------|------------------|---------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|-----------------|----|----|----|---|----------------|---------------|-------------------------|---------------|-----------------------|---------------|
| Model           | Size |             |                  |                           |                      |                                                                                                                                                                              | Diameter  | Lead |                 |    |    |    |   | Single Block   | Double Blocks | Single Block            | Double Blocks | Single Block          | Double Blocks |
| KT100<br>KTC100 | 2020 | 980         | B1(1)<br>B2(2)   | C(Normal)<br>P(Precision) | F0<br>F1<br>F2       | None: No Limit Switch and Switch Rail<br>S0 (Switch Rail Only)<br>S1 (Switch Rail SX671)<br>S2 (Switch Rail SX674)<br>S3 (Switch Rail GX-F12A)<br>S4 (Switch Rail GX-F12A-P) | 20        | 20   | 1089            | 40 | 90 | 7  | 5 | 828            | 700           | 18.6                    | 20.3          | 20.4                  | 22.1          |
|                 |      | 1080        |                  |                           |                      |                                                                                                                                                                              |           |      | 1189            | 15 | 40 | 8  | 6 | 928            | 800           | 20.3                    | 22.0          | 22.2                  | 23.9          |
|                 |      | 1180        |                  |                           |                      |                                                                                                                                                                              |           |      | 1289            | 65 | 90 | 8  | 6 | 1028           | 900           | 22.0                    | 23.7          | 24.0                  | 25.7          |
|                 |      | 1280        |                  |                           |                      |                                                                                                                                                                              |           |      | 1389            | 40 | 40 | 9  | 7 | 1128           | 1000          | 23.6                    | 25.3          | 25.7                  | 27.4          |
|                 |      | 1380        |                  |                           |                      |                                                                                                                                                                              |           |      | 1489            | 15 | 90 | 10 | 7 | 1228           | 1100          | 25.3                    | 27.0          | 27.5                  | 29.2          |

# KT Series

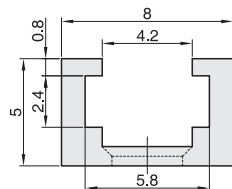
## KT100 Standard

Without cover/With cover

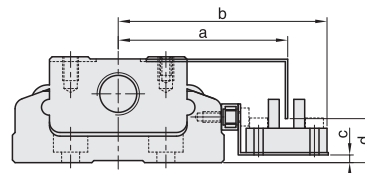


### Switch Rail

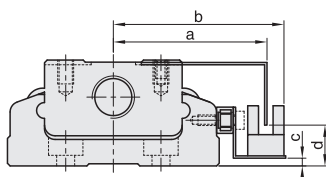
S0(Switch Rail Only)



S1(Switch Rail SX671)

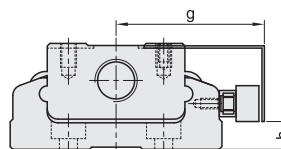


S2(Switch Rail SX674)



S3(Switch Rail GX-F12A)

S4(Switch Rail GX-F12A-P)



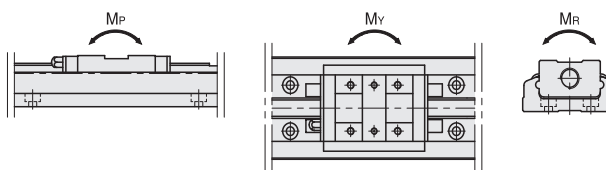
| Model | Switch Rail               | a  | b  | c  | d  | g    | h  |
|-------|---------------------------|----|----|----|----|------|----|
| KT100 | S1(Switch Rail SX671)     | 71 | 84 | 10 | 20 | -    | -  |
|       | S2(Switch Rail SX674)     | 66 | 73 |    |    |      |    |
|       | S3(Switch Rail GX-F12A)   | -  | -  | -  | -  | 64.5 | 15 |
|       | S4(Switch Rail GX-F12A-P) | -  | -  | -  | -  |      |    |

### Precision Grade

| Model           | Rail Length L2 | Repeatability |           | Accuracy |           | Running Parallelism |           | Starting Torque(N·cm) |           |
|-----------------|----------------|---------------|-----------|----------|-----------|---------------------|-----------|-----------------------|-----------|
|                 |                | Normal        | Precision | Normal   | Precision | Normal              | Precision | Normal                | Precision |
| KT100<br>KTC100 | 980            | ± 0.01        | ± 0.005   | —        | ± 0.035   | —                   | ± 0.25    | 12                    | 17        |
|                 | 1080           |               |           |          |           |                     |           |                       |           |
|                 | 1180           | ± 0.01        | ± 0.005   | —        | ± 0.040   | —                   | ± 0.03    | 12                    | 20        |
|                 | 1280           | ± 0.01        | ± 0.005   | —        | ± 0.045   | —                   | ± 0.035   | 15                    | 23        |
|                 | 1380           | ± 0.01        | ± 0.005   | —        | ± 0.05    | —                   | ± 0.04    | 15                    | 25        |

### Maximum Speed

| Model           | Ballscrew Lead(mm) | Rail Length L2(mm) | Speed(mm/sec) |           |
|-----------------|--------------------|--------------------|---------------|-----------|
|                 |                    |                    | Normal        | Precision |
| KT100<br>KTC100 | 20                 | 980                | 800           | 1120      |
|                 |                    | 1080               | 800           | 980       |
|                 |                    | 1180               | 750           | 750       |
|                 |                    | 1280               | 630           | 630       |
|                 |                    | 1380               | 530           | 530       |



### Specification

| Model           | Precision Grade | Ballscrew             |           | Linear Guideway       |                      |                              |        |        |        |                                           |      |   |   |                                         |      |   |   |
|-----------------|-----------------|-----------------------|-----------|-----------------------|----------------------|------------------------------|--------|--------|--------|-------------------------------------------|------|---|---|-----------------------------------------|------|---|---|
|                 |                 | Nominal Diameter (mm) | Lead (mm) | Basic Dynamic Load(N) | Basic Static Load(N) | Basic Dynamic Load Rating(N) |        |        |        | Static Rated Moment                       |      |   |   |                                         |      |   |   |
|                 |                 |                       |           |                       |                      | BlockA                       | BlockS | BlockA | BlockS | Allowable Static Moment Mp(N·m)(pitching) |      |   |   | Allowable Static Moment MY(N·m)(yawing) |      |   |   |
| KT100<br>KTC100 | Normal          | 20                    | 20        | 4782                  | 9163                 | 38200                        | —      | 63406  | —      | 960                                       | 4763 | — | — | 960                                     | 4763 | — | — |
|                 | Precision       |                       |           | 7046                  | 12544                |                              |        |        |        |                                           |      |   |   |                                         |      |   |   |

| Order | Model  | Size | Rail Length L | Number of Blocks | Precision Grade | Motor Adaptor Flange | Switch Rail |
|-------|--------|------|---------------|------------------|-----------------|----------------------|-------------|
|       | KT100  | 2020 | L980          | B2               | P               | F1                   | S1          |
|       | KTC100 | 2020 | L1180         | B2               | P               | F1                   | S1          |

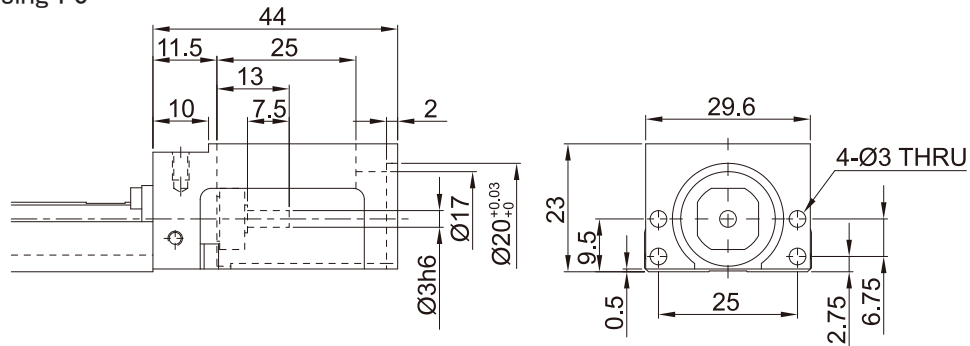
| Discount | Quantity | 1~5  | 5~         |
|----------|----------|------|------------|
|          | Discount | 100% | Negotiable |

# Motor Housing and Motor Adaptor Flange

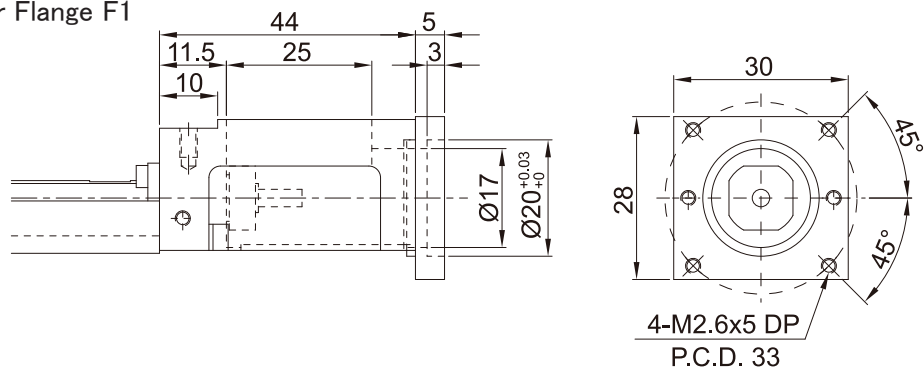


KT30

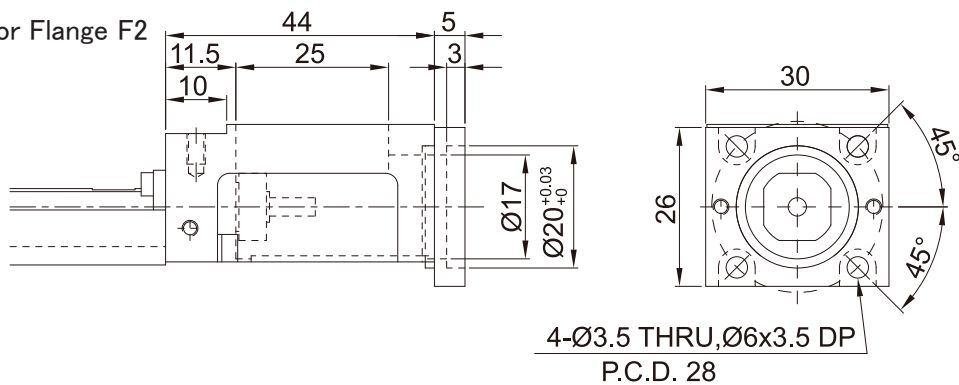
Motor Housing F0



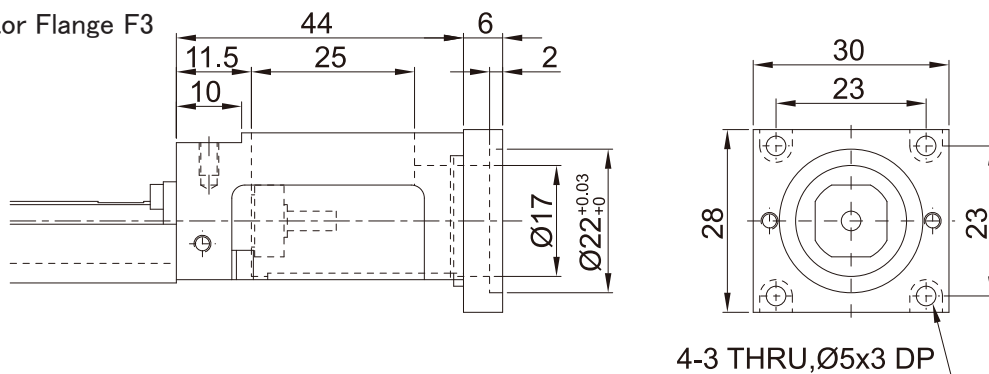
Motor Adaptor Flange F1



Motor Adaptor Flange F2



Motor Adaptor Flange F3

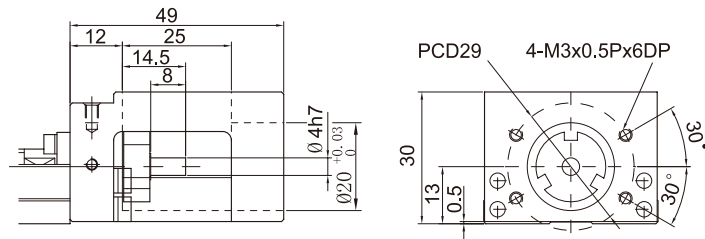


# Motor Housing and Motor Adaptor Flange

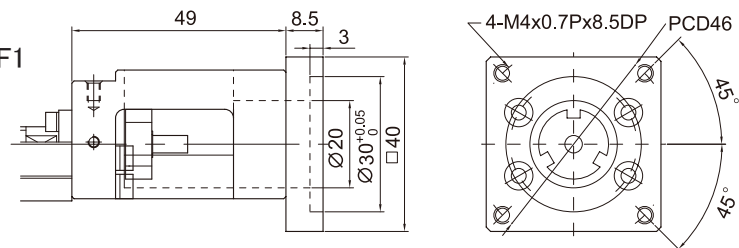


KT40

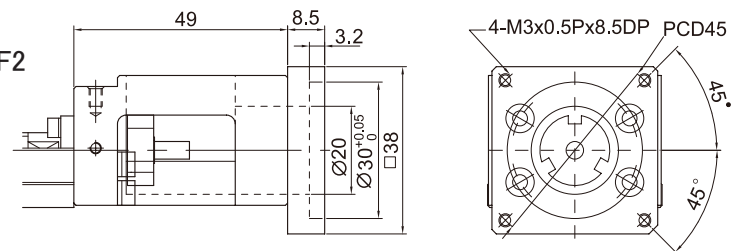
Motor Housing F0



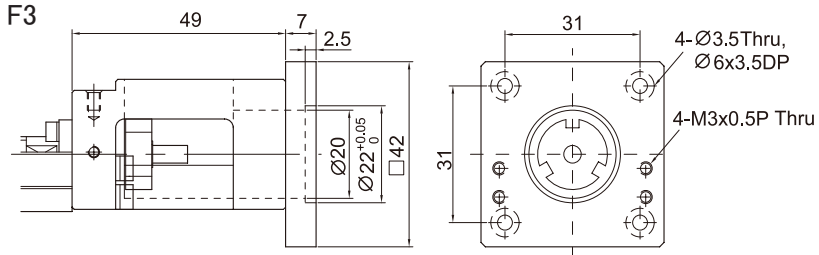
Motor Adaptor Flange F1



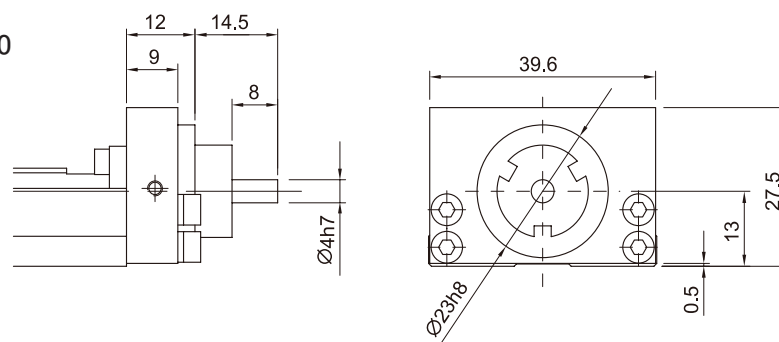
Motor Adaptor Flange F2



Motor Adaptor Flange F3



Mount Housing H0

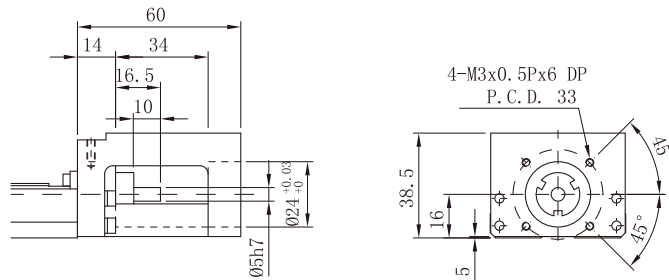


# Motor Housing and Motor Adaptor Flange

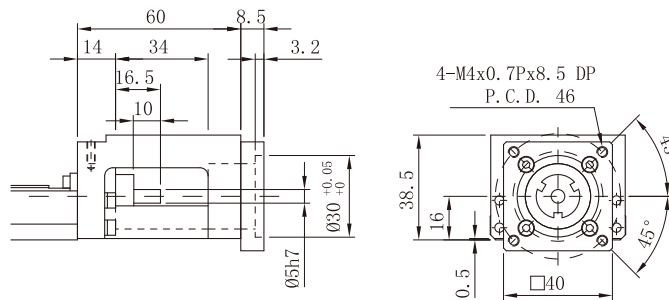


KT50

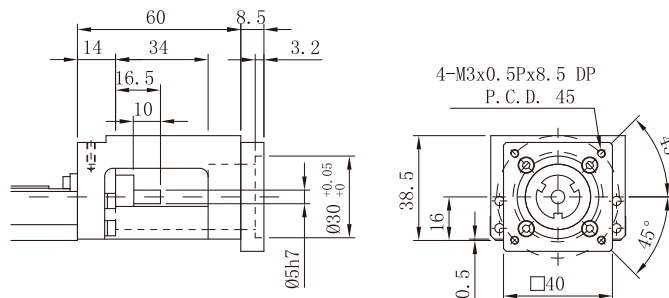
Motor Housing F0



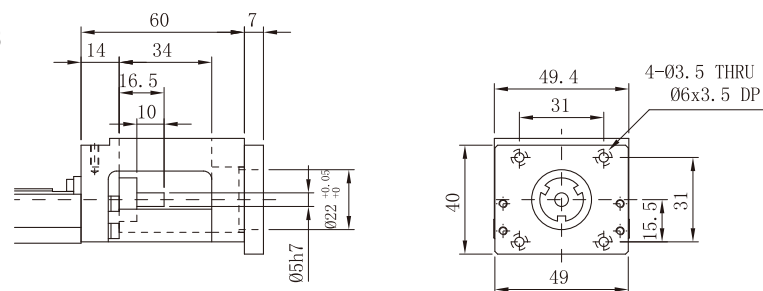
Motor Adaptor Flange F1



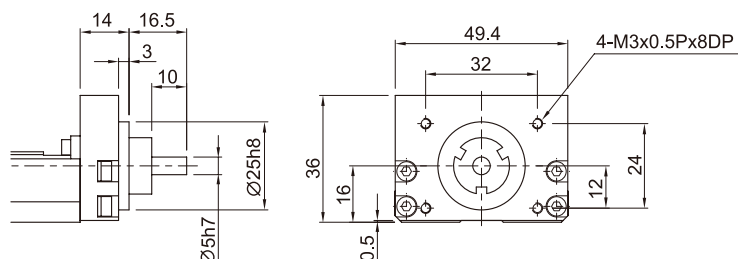
Motor Adaptor Flange F2



Motor Adaptor Flange F3



Mount Housing H0

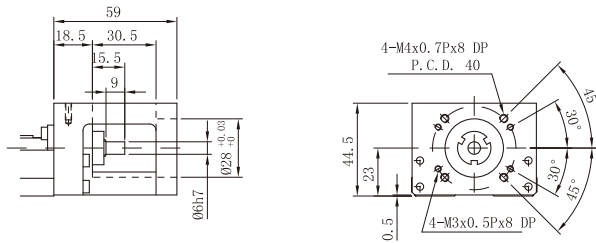


# Motor Housing and Motor Adaptor Flange

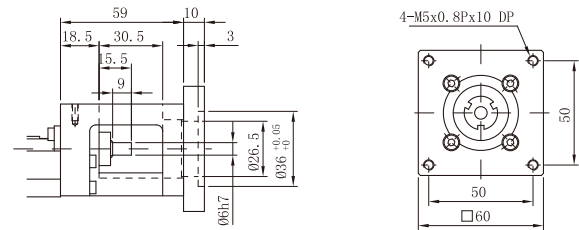


KT60

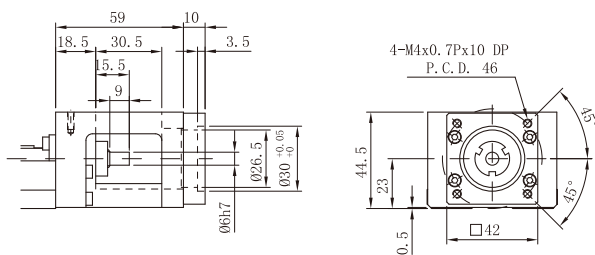
Motor Housing F0



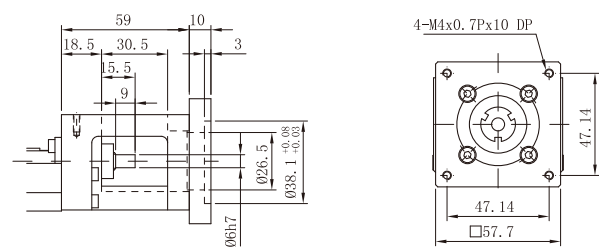
Motor Adaptor Flange F3



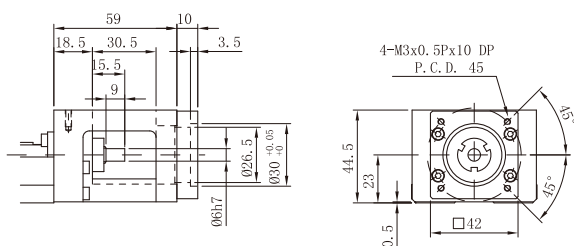
Motor Adaptor Flange F1



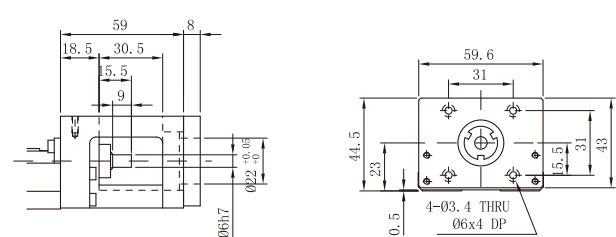
Motor Adaptor Flange F4



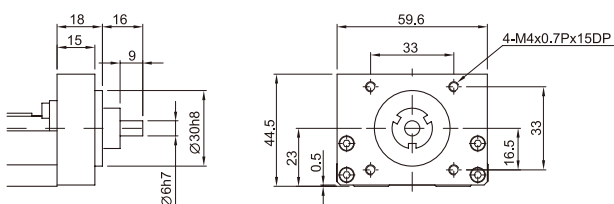
Motor Adaptor Flange F2



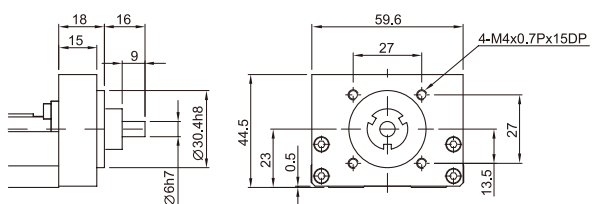
Motor Adaptor Flange F5



Mount Housing H0



Mount Housing H1

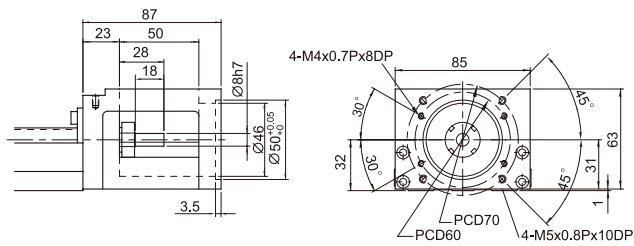


# Motor Housing and Motor Adaptor Flange

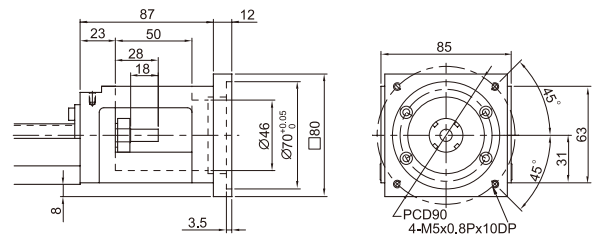


KT86

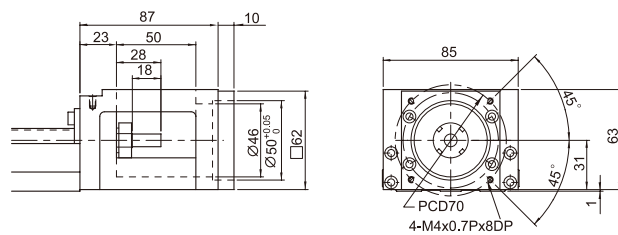
Motor Housing F0



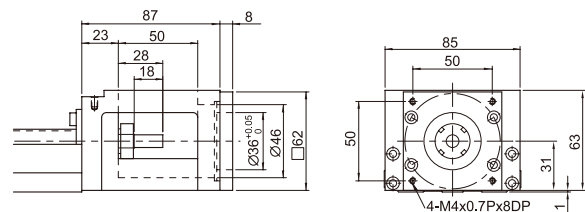
Motor Adaptor Flange F4



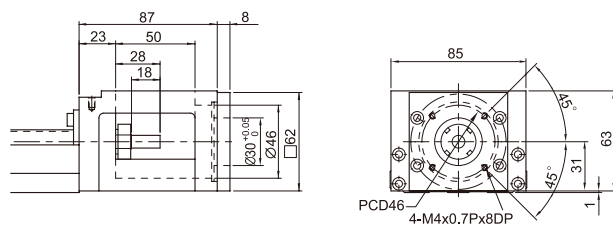
Motor Adaptor Flange F1



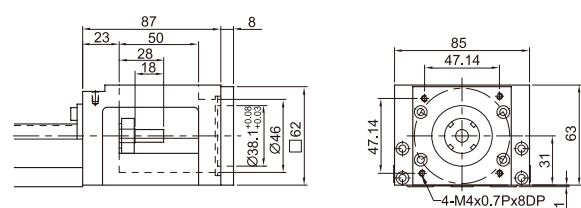
Motor Adaptor Flange F5



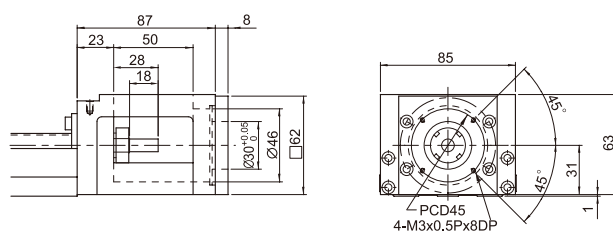
Motor Adaptor Flange F2



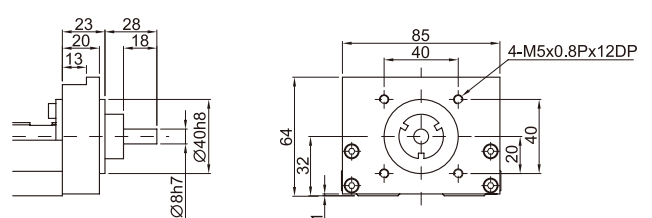
Motor Adaptor Flange F6



Motor Adaptor Flange F3



Mount Housing H0

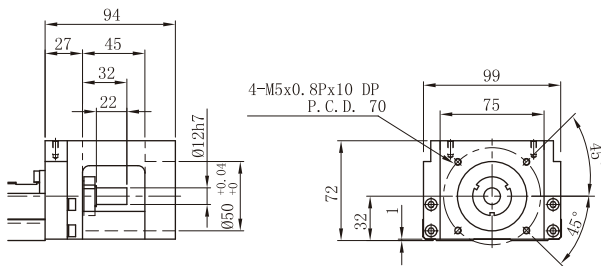


# Motor Housing and Motor Adaptor Flange

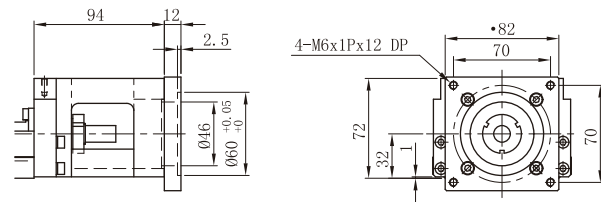
KT100



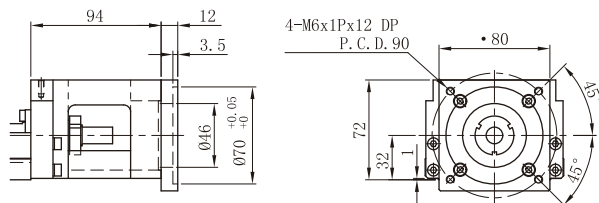
Motor Housing F0



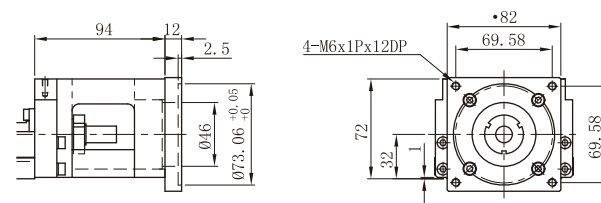
Motor Adaptor Flange F3



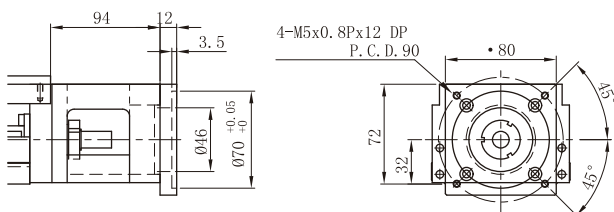
Motor Adaptor Flange F1



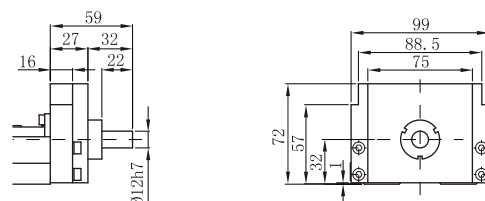
Motor Adaptor Flange F4

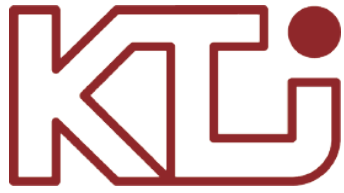


Motor Adaptor Flange F2

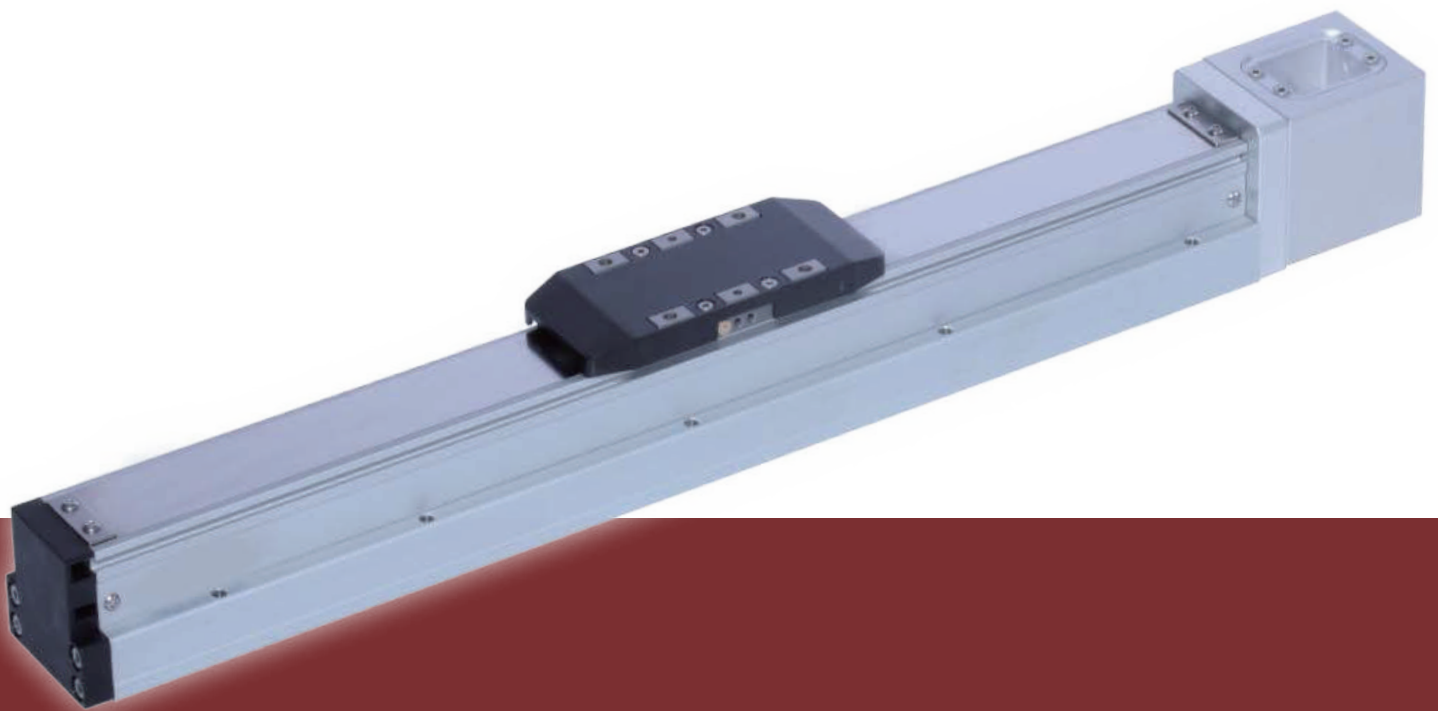


Mount Housing H0





# **KN Built-in Linear Guideway Ball-Screw Series (General)**



# KN4 - L10 - S100 - M2 - M100W - B

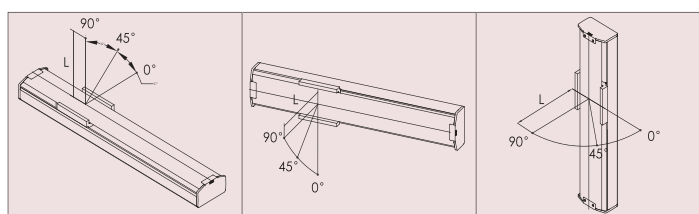
Model      Lead      Stroke      Motor direction      Motor brand and output      Brake

**M2** Motor outside position  
**M3** Motor outside, rightward position  
**M4** Motor outside, leftward position  
**M6** Motor outside, lower position

**X** Siemens  
**M** Mitsubishi  
**Y** Yaskawa  
**P** Panasonic  
**F** Fuji  
**D** Delta

## KN4 Specification

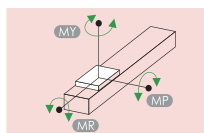
|                          |                          |     |     |
|--------------------------|--------------------------|-----|-----|
| AC Servo motor output(W) | 100W                     |     |     |
| Repeatability (mm)       | ±0.01                    |     |     |
| B.S.Outer Diameter (Φ)   | Ø10                      |     |     |
| Lead(mm)                 | 2                        | 5   | 10  |
| Maximum Speed (mm/sec)   | 100                      | 250 | 500 |
| Maximum payload(kg)      | Horizontal (H)           | 25  | 20  |
|                          | Vertical (V)             | 8   | 5   |
| Rated thrust(N)          | 424                      | 141 | 71  |
| Stroke(mm)               | 100-800<br>(50 interval) |     |     |



| Horizontal use (Unit: mm) |         |    |     |      | Wall installation use (Unit: mm) |         |      |     |     | Vertical use (Unit: mm) |         |     |     |     |
|---------------------------|---------|----|-----|------|----------------------------------|---------|------|-----|-----|-------------------------|---------|-----|-----|-----|
| Lead                      | Payload | 0° | 45° | 90°  | Lead                             | Payload | 0°   | 45° | 90° | Lead                    | Payload | 0°  | 45° | 90° |
| Lead 2                    | 12kg    | 80 | 505 | 1000 | Lead 2                           | 12kg    | 1000 | 70  | 80  | Lead 2                  | 4kg     | 200 | 165 | 200 |
|                           | 18kg    | 50 | 355 | 750  |                                  | 18kg    | 750  | 42  | 50  |                         | 8kg     | 100 | 76  | 100 |
|                           | 25kg    | 32 | 260 | 500  |                                  | 25kg    | 500  | 20  | 32  |                         | -       | -   | -   | -   |
| Lead 5                    | 10kg    | 70 | 270 | 550  | Lead 5                           | 10kg    | 550  | 58  | 72  | Lead 5                  | 3kg     | 200 | 165 | 200 |
|                           | 15kg    | 45 | 187 | 350  |                                  | 15kg    | 345  | 36  | 45  |                         | 5kg     | 120 | 85  | 120 |
|                           | 20kg    | 31 | 140 | 250  |                                  | 20kg    | 250  | 21  | 31  |                         | -       | -   | -   | -   |
| Lead 10                   | 8kg     | 75 | 130 | 305  | Lead 10                          | 8kg     | 300  | 60  | 75  | Lead 10                 | 1.5kg   | 350 | 266 | 350 |
|                           | 10kg    | 57 | 115 | 240  |                                  | 10kg    | 240  | 44  | 58  |                         | 2kg     | 260 | 190 | 260 |
|                           | 12kg    | 47 | 90  | 195  |                                  | 12kg    | 190  | 35  | 47  |                         | -       | -   | -   | -   |

\* The distance from the center of the block surface to the center of gravity of the object being transported (For reference only)

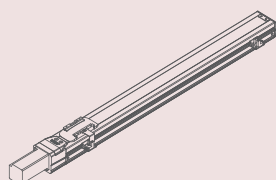
Static Loading Moment



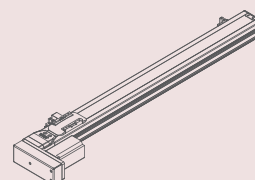
Unit: N.m  
Horizontal use

|    |     |
|----|-----|
| MY | 79  |
| MP | 79  |
| MR | 116 |

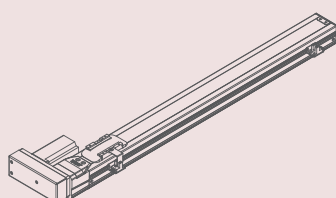
This model is not suggested to be used as the load axis of multi axes.



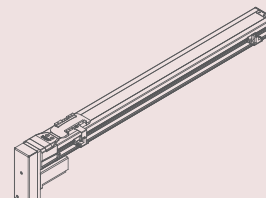
M2



M3

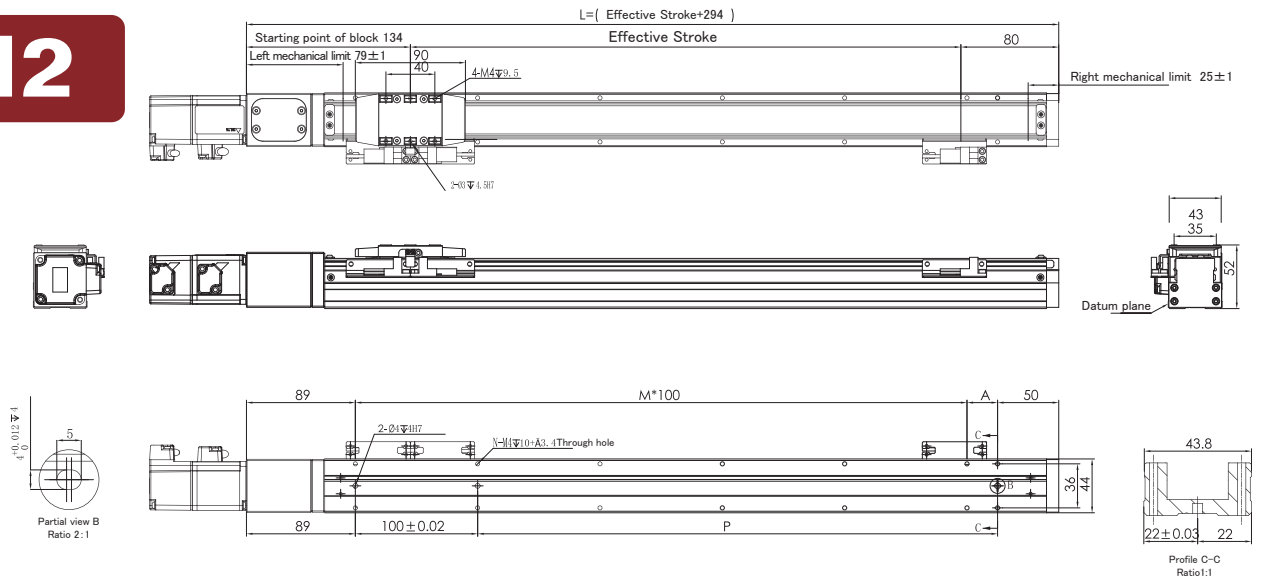


M4



M6

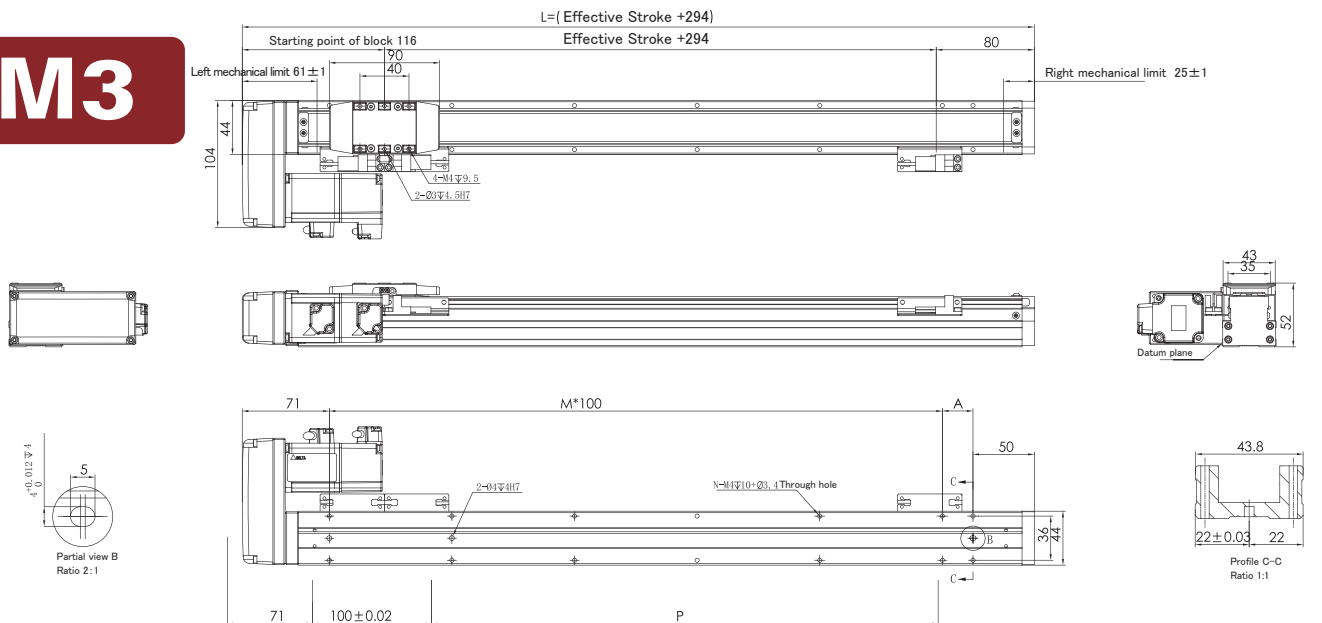
# M2



| Stroke   | 50   | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L        | 264  | 314  | 364  | 414  | 464  | 514  | 564  | 614  | 664  | 714  | 764  | 814  | 864  | 914  | 964  | 1014 |
| A        | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   |
| M        | 1    | 1    | 2    | 2    | 3    | 3    | 4    | 4    | 5    | 5    | 6    | 6    | 7    | 7    | 8    | 8    |
| N        | 6    | 6    | 8    | 8    | 10   | 10   | 12   | 12   | 14   | 14   | 16   | 16   | 18   | 18   | 20   | 20   |
| P        | 25   | 75   | 125  | 175  | 225  | 275  | 325  | 375  | 425  | 475  | 525  | 575  | 625  | 675  | 725  | 775  |
| Mass(Kg) | 0.95 | 1.12 | 1.29 | 1.47 | 1.65 | 1.83 | 2.01 | 2.19 | 2.37 | 2.55 | 2.73 | 2.91 | 3.09 | 3.27 | 3.45 | 3.63 |

※ Drawings and specifications are subject to change without prior notice.

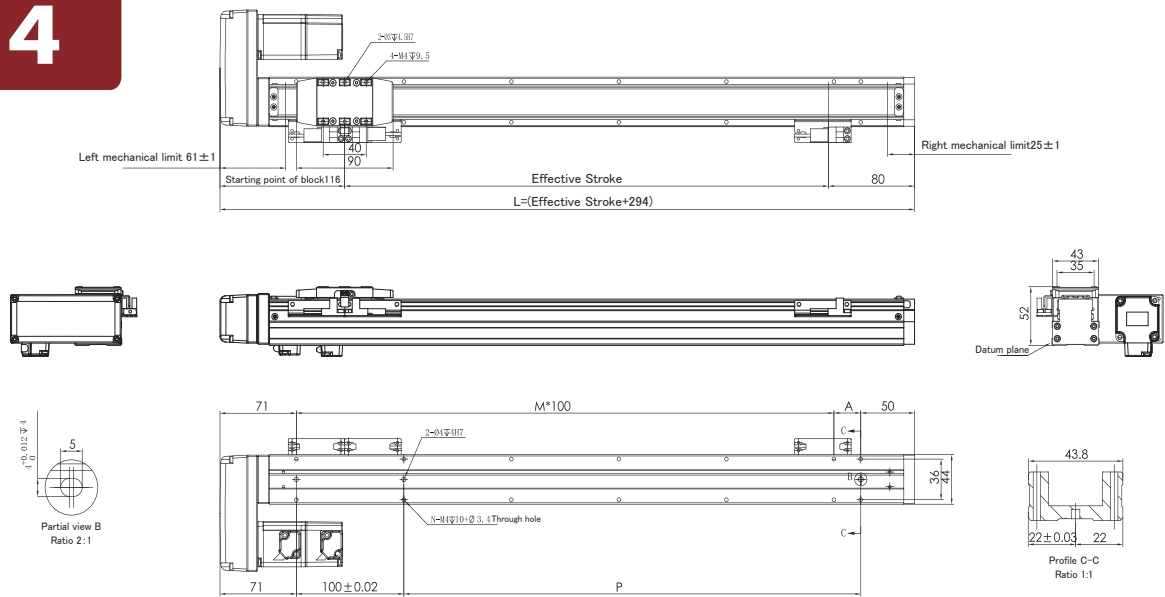
# M3



| Stroke   | 50   | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L        | 246  | 296  | 346  | 396  | 446  | 496  | 546  | 596  | 646  | 696  | 746  | 796  | 846  | 896  | 946  | 996  |
| A        | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   |
| M        | 1    | 1    | 2    | 2    | 3    | 3    | 4    | 4    | 5    | 5    | 6    | 6    | 7    | 7    | 8    | 8    |
| N        | 6    | 6    | 8    | 8    | 10   | 10   | 12   | 12   | 14   | 14   | 16   | 16   | 18   | 18   | 20   | 20   |
| P        | 25   | 75   | 125  | 175  | 225  | 275  | 325  | 375  | 425  | 475  | 525  | 575  | 625  | 675  | 725  | 775  |
| Mass(Kg) | 1.04 | 1.22 | 1.40 | 1.58 | 1.76 | 1.94 | 2.12 | 2.30 | 2.48 | 2.66 | 2.84 | 3.02 | 3.20 | 3.38 | 3.56 | 3.74 |

※ Drawings and specifications are subject to change without prior notice.

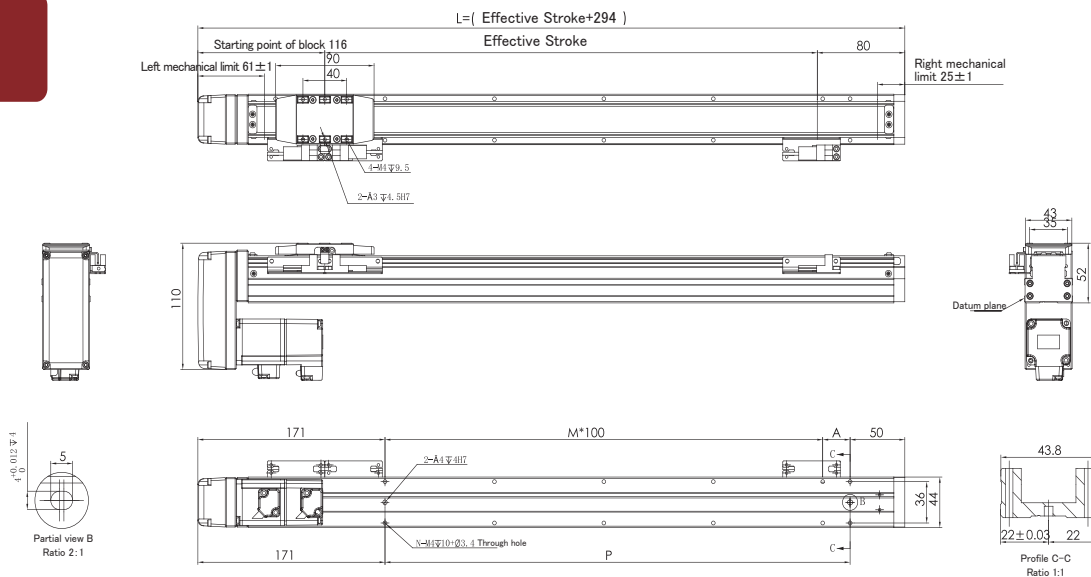
# M4



| Stroke   | 50   | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L        | 246  | 296  | 346  | 396  | 446  | 496  | 546  | 596  | 646  | 696  | 746  | 796  | 846  | 896  | 946  | 996  |
| A        | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   |
| M        | 1    | 1    | 2    | 2    | 3    | 3    | 4    | 4    | 5    | 5    | 6    | 6    | 7    | 7    | 8    | 8    |
| N        | 6    | 6    | 8    | 8    | 10   | 10   | 12   | 12   | 14   | 14   | 16   | 16   | 18   | 18   | 20   | 20   |
| P        | 25   | 75   | 125  | 175  | 225  | 275  | 325  | 375  | 425  | 475  | 525  | 575  | 625  | 675  | 725  | 775  |
| Mass(Kg) | 1.04 | 1.22 | 1.40 | 1.58 | 1.76 | 1.94 | 2.12 | 2.30 | 2.48 | 2.66 | 2.84 | 3.02 | 3.20 | 3.38 | 3.56 | 3.74 |

※ Drawings and specifications are subject to change without prior notice.

# M6



| Stroke   | 50   | 100  | 150  | 200  | 250  | 300  | 350  | 400  | 450  | 500  | 550  | 600  | 650  | 700  | 750  | 800  |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| L        | 246  | 296  | 346  | 396  | 446  | 496  | 546  | 596  | 646  | 696  | 746  | 796  | 846  | 896  | 946  | 996  |
| A        | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   | 25   | 75   |
| M        | 1    | 1    | 2    | 2    | 3    | 3    | 4    | 4    | 5    | 5    | 6    | 6    | 7    | 7    | 8    | 8    |
| N        | 6    | 6    | 8    | 8    | 10   | 10   | 12   | 12   | 14   | 14   | 16   | 16   | 18   | 18   | 20   | 20   |
| P        | 25   | 75   | 125  | 175  | 225  | 275  | 325  | 375  | 425  | 475  | 525  | 575  | 625  | 675  | 725  | 775  |
| Mass(Kg) | 1.04 | 1.22 | 1.40 | 1.58 | 1.76 | 1.94 | 2.12 | 2.30 | 2.48 | 2.66 | 2.84 | 3.02 | 3.20 | 3.38 | 3.56 | 3.74 |

※ Drawings and specifications are subject to change without prior notice.

# KN5-L10-S100- M2- M100W -B

Model      Lead      Stroke      Motor direction      Motor brand and output      Brake

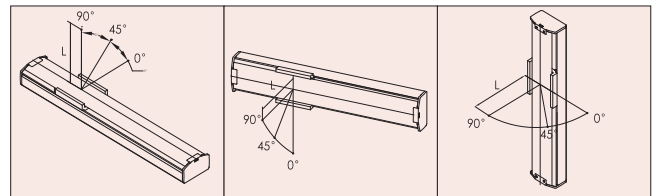
**M2** Motor outside position  
**M3** Motor outside, rightward position  
**M4** Motor outside, leftward position  
**M6** Motor outside, lower position

**X** Siemens  
**M** Mitsubishi  
**Y** Yaskawa  
**P** Panasonic  
**F** Fuji  
**D** Delta

## KN5 Specification

|                          |                |                          |     |
|--------------------------|----------------|--------------------------|-----|
| AC Servo motor output(W) |                | 100W                     |     |
| Repeatability (mm)       |                | ±0.01                    |     |
| B.S. Outer Diameter(Φ)   |                | Ø12                      |     |
| Lead(mm)                 |                | 5                        | 10  |
| Maximum Speed (mm/sec)   |                | 250                      | 500 |
| Maximum payload(kg)      | Horizontal (H) | 30                       | 15  |
|                          | Vertical (V)   | 10                       | 5   |
| Rated thrust (N)         |                | 327                      | 163 |
| Stroke (mm)              |                | 100-800<br>(50 interval) |     |

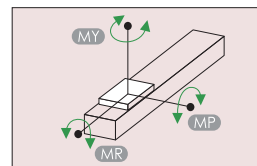
This model is not suggested to be used as the load axis of multi axes.



| Horizontal use (Unit: mm) |     |     |     | Wall installation use (Unit: mm) |     |     |     | Vertical use (Unit: mm) |     |     |     |
|---------------------------|-----|-----|-----|----------------------------------|-----|-----|-----|-------------------------|-----|-----|-----|
| Payload                   | 0°  | 45° | 90° | Payload                          | 0°  | 45° | 90° | Payload                 | 0°  | 45° | 90° |
| 5kg                       | 380 | 260 | 600 | 5kg                              | 600 | 210 | 153 | 1kg                     | 680 | 260 | 580 |
| 10kg                      | 258 | 186 | 370 | 10kg                             | 370 | 140 | 86  | 3kg                     | 458 | 186 | 458 |
| 15kg                      | 120 | 80  | 160 | 15kg                             | 250 | 76  | 66  | 5kg                     | 220 | 110 | 220 |
| 10kg                      | 420 | 270 | 650 | 10kg                             | 550 | 310 | 150 | 6kg                     | 380 | 270 | 380 |
| 20kg                      | 230 | 170 | 380 | 20kg                             | 350 | 132 | 80  | 8kg                     | 258 | 170 | 258 |
| 30kg                      | 110 | 60  | 150 | 30kg                             | 100 | 76  | 60  | 10kg                    | 100 | 76  | 100 |

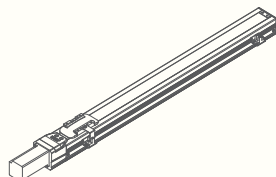
\*The distance from the center of the block surface to the center of gravity of the object being transported. (For reference only)

Static Loading Moment

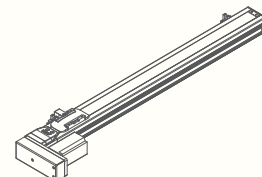


Unit: N.m  
Horizontal use

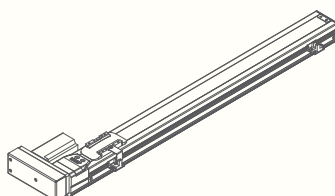
|    |     |
|----|-----|
| MY | 100 |
| MP | 100 |
| MR | 145 |



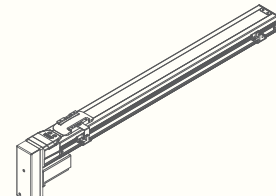
M2



M3

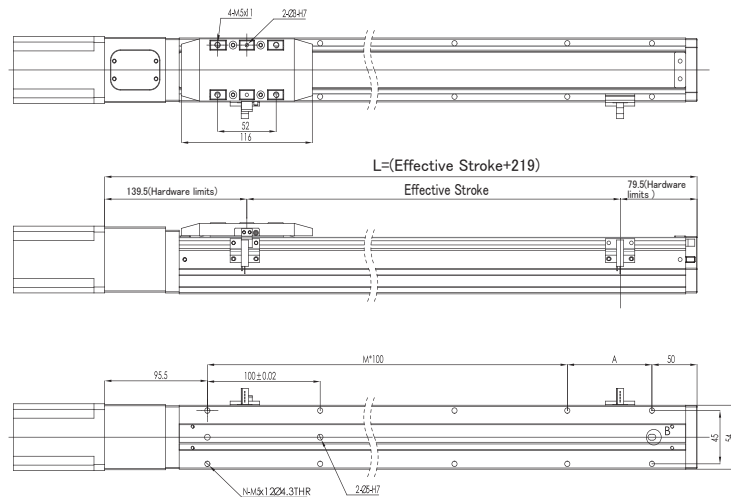
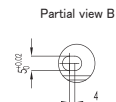
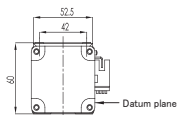


M4



M6

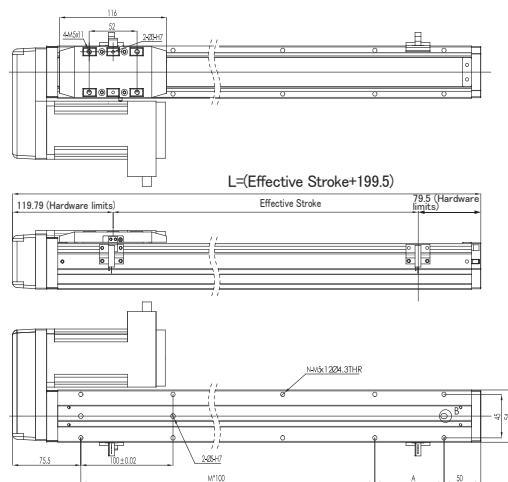
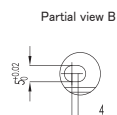
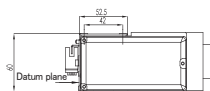
# M2



| Stroke   | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| L        | 319 | 369 | 419 | 469 | 519 | 569 | 619 | 669 | 719 | 769 | 819 | 869 | 919 | 969 | 1019 |
| A        | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75   |
| M        | 1   | 2   | 2   | 3   | 3   | 4   | 4   | 5   | 5   | 6   | 6   | 7   | 7   | 8   | 8    |
| N        | 6   | 8   | 8   | 10  | 10  | 12  | 12  | 14  | 14  | 16  | 16  | 18  | 18  | 20  | 20   |
| Mass(Kg) | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4   | 4.2 | 4.4 | 4.6 | 4.8 | 5   | 5.2  |

※ Drawings and specifications are subject to change without prior notice.

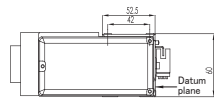
# M3



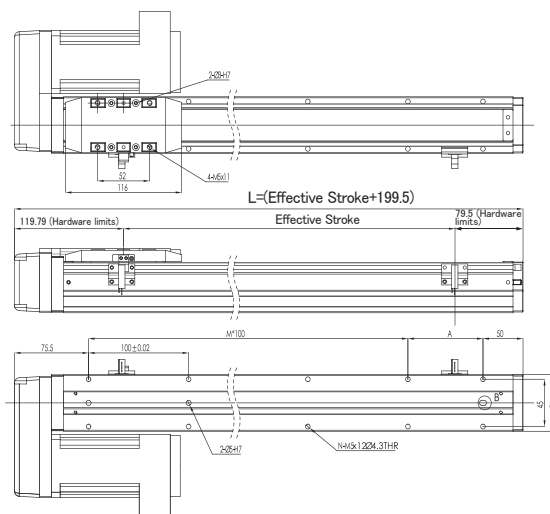
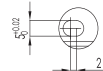
| Stroke   | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L        | 299.5 | 349.5 | 399.5 | 449.5 | 499.5 | 549.5 | 599.5 | 649.5 | 699.5 | 749.5 | 799.5 | 849.5 | 899.5 | 949.5 | 999.5 |
| A        | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    |
| M        | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7     | 7     | 8     | 8     |
| N        | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18    | 18    | 20    | 20    |
| Mass(Kg) | 2.6   | 2.8   | 3.0   | 3.2   | 3.4   | 3.6   | 3.8   | 4     | 4.2   | 4.4   | 4.6   | 4.8   | 5     | 5.2   | 5.4   |

※ Drawings and specifications are subject to change without prior notice.

# M4



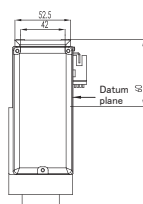
Partial view B



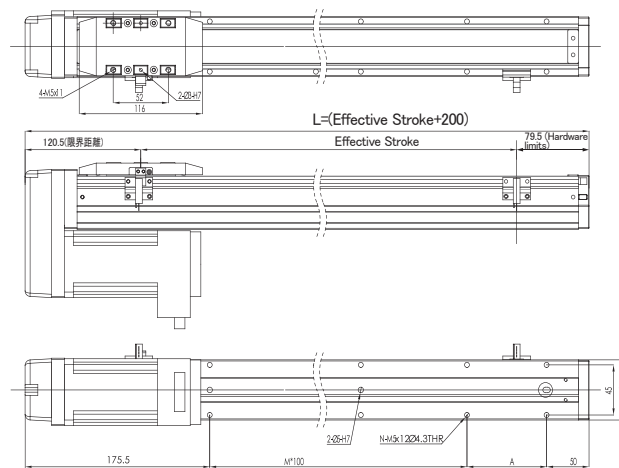
| Stroke   | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| L        | 299.5 | 349.5 | 399.5 | 449.5 | 499.5 | 549.5 | 599.5 | 649.5 | 699.5 | 749.5 | 799.5 | 849.5 | 899.5 | 949.5 | 999.5 |
| A        | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    | 25    | 75    |
| M        | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7     | 7     | 8     | 8     |
| N        | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18    | 18    | 20    | 20    |
| Mass(Kg) | 2.6   | 2.8   | 3.0   | 3.2   | 3.4   | 3.6   | 3.8   | 4     | 4.2   | 4.4   | 4.6   | 4.8   | 5     | 5.2   | 5.4   |

※ Drawings and specifications are subject to change without prior notice.

# M6



Partial view B



| Stroke   | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| L        | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 |
| A        | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75  | 25  | 75   |
| M        | 1   | 2   | 2   | 3   | 3   | 4   | 4   | 5   | 5   | 6   | 6   | 7   | 7   | 8   | 8    |
| N        | 6   | 8   | 8   | 10  | 10  | 12  | 12  | 14  | 14  | 16  | 16  | 18  | 18  | 20  | 20   |
| Mass(Kg) | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.6 | 3.8 | 4   | 4.2 | 4.4 | 4.6 | 4.8 | 5   | 5.2 | 5.4  |

※ Drawings and specifications are subject to change without prior notice.

# KN8-L10-S100-M2-M200W-B

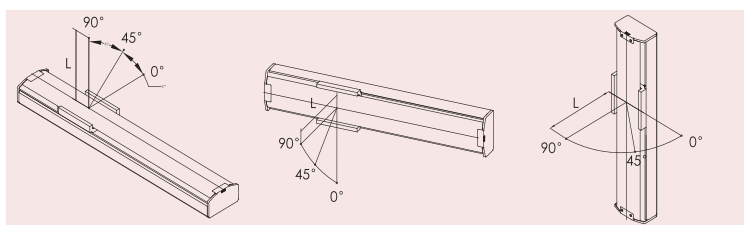
Model      Lead      Stroke      Motor direction      Motor brand and output      Brake

**M2** Motor outside position  
**M3** Motor outside, rightward position  
**M4** Motor outside, leftward position  
**M6** Motor outside, lower position

**X** Siemens  
**M** Mitsubishi  
**Y** Yaskawa  
**P** Panasonic  
**F** Fuji  
**D** Delta

## KN8 Specification

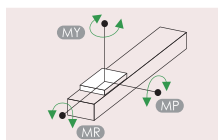
|                          |                |                           |     |      |
|--------------------------|----------------|---------------------------|-----|------|
| AC Servo motor output(W) |                | 200W                      |     |      |
| Repeatability (mm)       |                | ±0.01                     |     |      |
| B.S. Outer Diameter(Φ)   |                | Ø16                       |     |      |
| Lead(mm)                 |                | 5                         | 10  | 20   |
| Maximum Speed (mm/sec)   |                | 250                       | 500 | 1000 |
| Maximum payload(kg)      | Horizontal (H) | 50                        | 30  | 11   |
|                          | Vertical (V)   | 15                        | 8   | 2.6  |
| Rated thrust(N)          |                | 685                       | 340 | 176  |
| Stroke(mm)               |                | 100-1050<br>(50 interval) |     |      |



| Horizontal use (Unit: mm) |         |     |     |      | Wall installation use (Unit: mm) |         |      |     |     | Vertical use (Unit: mm) |         |     |     |     |
|---------------------------|---------|-----|-----|------|----------------------------------|---------|------|-----|-----|-------------------------|---------|-----|-----|-----|
| Lead                      | Payload | 0°  | 45° | 90°  | Lead                             | Payload | 0°   | 45° | 90° | Lead                    | Payload | 0°  | 45° | 90° |
| Lead20                    | 6kg     | 467 | 390 | 1180 | Lead20                           | 6kg     | 760  | 423 | 386 | Lead20                  | 2.5kg   | 863 | 460 | 863 |
|                           | 9kg     | 325 | 262 | 800  |                                  | 9kg     | 542  | 290 | 234 |                         | -       | -   | -   | -   |
|                           | 12kg    | 238 | 183 | 595  |                                  | 12kg    | 277  | 180 | 159 |                         | -       | -   | -   | -   |
| Lead10                    | 10kg    | 415 | 293 | 1700 | Lead10                           | 10kg    | 1360 | 378 | 286 | Lead10                  | 5kg     | 583 | 270 | 583 |
|                           | 20kg    | 202 | 200 | 823  |                                  | 20kg    | 794  | 173 | 136 |                         | 8kg     | 340 | 170 | 340 |
|                           | 30kg    | 131 | 113 | 483  |                                  | 30kg    | 493  | 106 | 86  |                         | -       | -   | -   | -   |
| Lead5                     | 20kg    | 302 | 283 | 1532 | Lead5                            | 20kg    | 1450 | 214 | 153 | Lead5                   | 10kg    | 361 | 245 | 361 |
|                           | 35kg    | 146 | 136 | 882  |                                  | 35kg    | 845  | 113 | 81  |                         | 15kg    | 234 | 156 | 234 |
|                           | 50kg    | 90  | 78  | 430  |                                  | 50kg    | 463  | 74  | 53  |                         | -       | -   | -   | -   |

\*The distance from the center of the block surface to the center of gravity of the object being transported (For reference only)

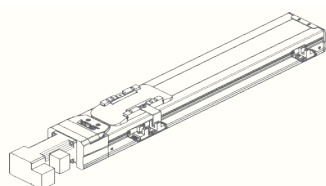
Static Loading Moment



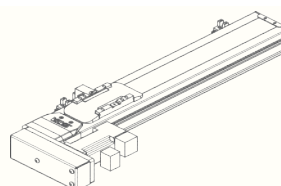
Unit: N.m  
Horizontal use

|    |     |
|----|-----|
| MY | 320 |
| MP | 320 |
| MR | 630 |

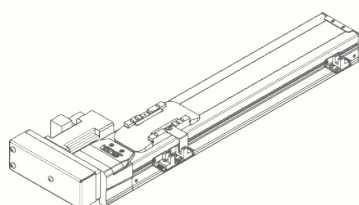
This model is not suggested to be used as the load axis of multi axes.



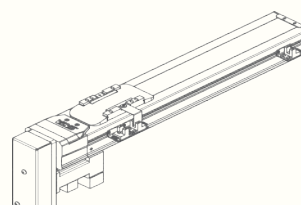
M2



M3

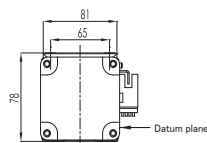


M4

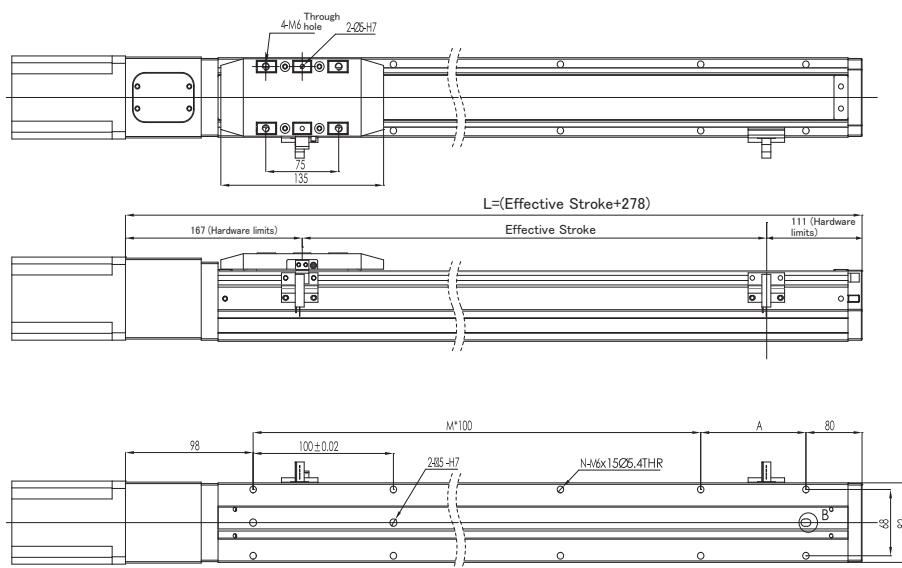
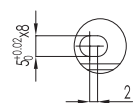


M6

# M2



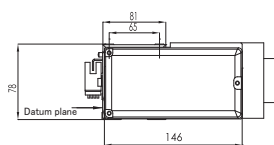
Partial view B



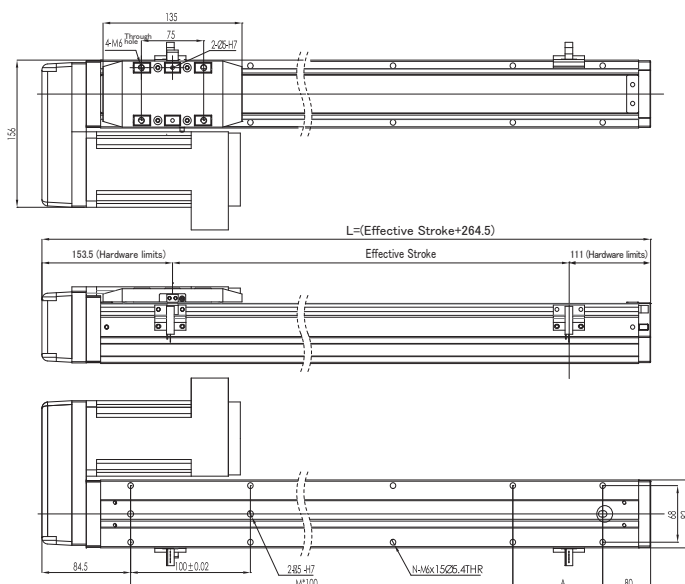
| Stroke   | 100  | 150  | 200  | 250  | 300 | 350  | 400  | 450 | 500  | 550  | 600  | 650  | 700  | 750   | 800   | 850   | 900   | 950   | 1000  | 1050  |
|----------|------|------|------|------|-----|------|------|-----|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| L        | 378  | 428  | 478  | 528  | 578 | 628  | 678  | 728 | 778  | 828  | 878  | 928  | 978  | 1028  | 1078  | 1128  | 1178  | 1228  | 1278  | 1328  |
| A        | 100  | 50   | 100  | 50   | 100 | 50   | 100  | 50  | 100  | 50   | 100  | 50   | 100  | 50    | 100   | 50    | 100   | 50    | 100   | 50    |
| M        | 1    | 2    | 2    | 3    | 3   | 4    | 4    | 5   | 5    | 6    | 6    | 7    | 7    | 8     | 8     | 9     | 9     | 10    | 10    | 11    |
| N        | 6    | 8    | 8    | 10   | 10  | 12   | 12   | 14  | 14   | 16   | 16   | 18   | 18   | 20    | 20    | 22    | 22    | 24    | 24    | 26    |
| Mass(Kg) | 5.54 | 5.91 | 6.27 | 6.64 | 7   | 7.37 | 7.73 | 8.1 | 8.46 | 8.83 | 9.19 | 9.56 | 9.92 | 10.29 | 10.65 | 11.02 | 11.38 | 11.75 | 12.11 | 12.48 |

※ Drawings and specifications are subject to change without prior notice.

# M3



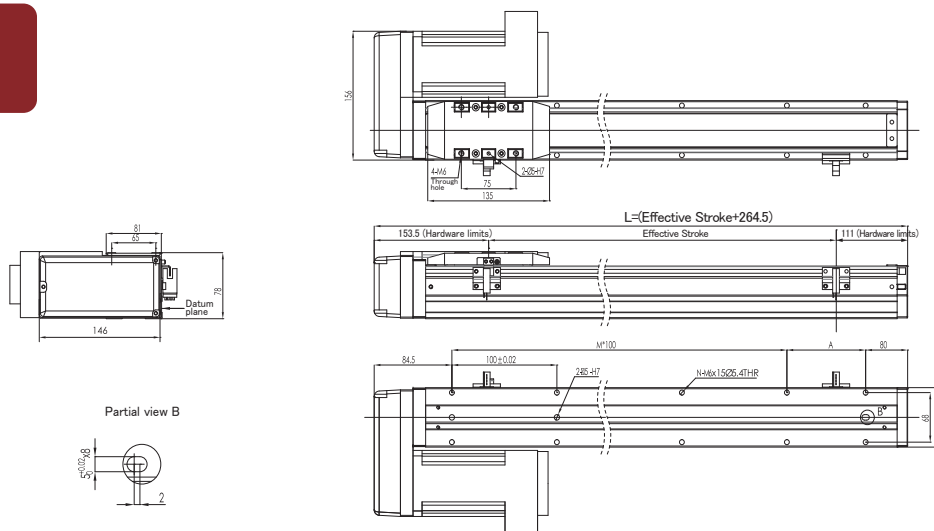
Partial view B



| Stroke   | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750    | 800    | 850    | 900    | 950    | 1000   | 1050   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| L        | 364.5 | 414.5 | 464.5 | 514.5 | 564.5 | 614.5 | 664.5 | 714.5 | 764.5 | 814.5 | 864.5 | 914.5 | 964.5 | 1014.5 | 1064.5 | 1114.5 | 1164.5 | 1214.5 | 1264.5 | 1314.5 |
| A        | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50     | 100    | 50     | 100    | 50     | 100    | 50     |
| M        | 0     | 1     | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7      | 7      | 8      | 8      | 9      | 9      | 10     |
| N        | 4     | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18     | 18     | 20     | 20     | 22     | 22     | 24     |
| Mass(Kg) | 5.6   | 6.12  | 6.64  | 7.16  | 7.68  | 8.2   | 8.72  | 9.24  | 9.76  | 10.28 | 10.8  | 11.32 | 11.84 | 12.36  | 12.88  | 13.4   | 13.92  | 14.44  | 14.96  | 15.48  |

※ Drawings and specifications are subject to change without prior notice.

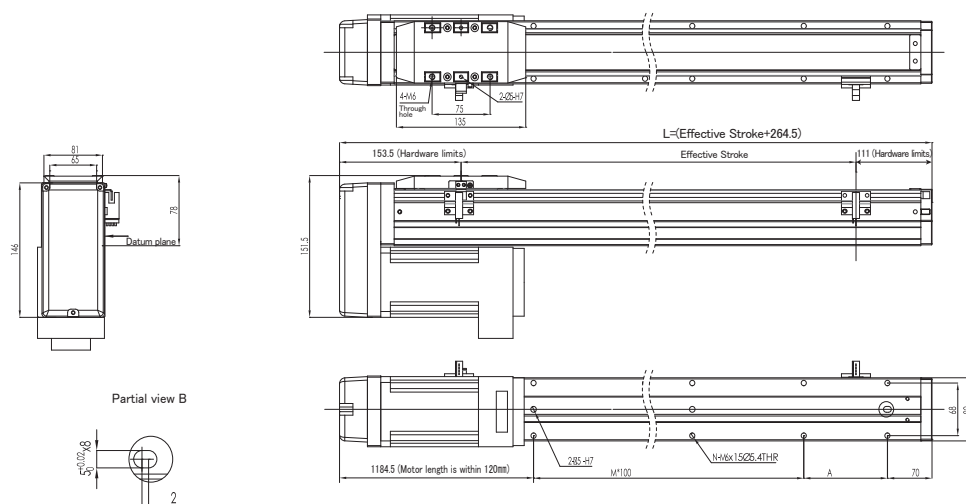
# M4



| Stroke   | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750    | 800    | 850    | 900    | 950    | 1000   | 1050   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| L        | 364.5 | 414.5 | 464.5 | 514.5 | 564.5 | 614.5 | 664.5 | 714.5 | 764.5 | 814.5 | 864.5 | 914.5 | 964.5 | 1014.5 | 1064.5 | 1114.5 | 1164.5 | 1214.5 | 1264.5 | 1314.5 |
| A        | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50     | 100    | 50     | 100    | 50     | 100    | 50     |
| M        | 0     | 1     | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7      | 7      | 8      | 8      | 9      | 9      | 10     |
| N        | 4     | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18     | 18     | 20     | 20     | 22     | 22     | 24     |
| Mass(Kg) | 5.6   | 6.12  | 6.64  | 7.16  | 7.68  | 8.2   | 8.72  | 9.24  | 9.76  | 10.28 | 10.8  | 11.32 | 11.84 | 12.36  | 12.88  | 13.4   | 13.92  | 14.44  | 14.96  | 15.48  |

※ Drawings and specifications are subject to change without prior notice.

# M6



| Stroke   | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750    | 800    | 850    | 900    | 950    | 1000   | 1050   |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| L        | 364.5 | 414.5 | 464.5 | 514.5 | 564.5 | 614.5 | 664.5 | 714.5 | 764.5 | 814.5 | 864.5 | 914.5 | 964.5 | 1014.5 | 1064.5 | 1114.5 | 1164.5 | 1214.5 | 1264.5 | 1314.5 |
| A        | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50     | 100    | 50     | 100    | 50     | 100    | 50     |
| M        | 0     | 1     | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7      | 7      | 8      | 8      | 9      | 9      | 10     |
| N        | 4     | 6     | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18     | 18     | 20     | 20     | 22     | 22     | 24     |
| Mass(Kg) | 5.6   | 6.12  | 6.64  | 7.16  | 7.68  | 8.2   | 8.72  | 9.24  | 9.76  | 10.28 | 10.8  | 11.32 | 11.84 | 12.36  | 12.88  | 13.4   | 13.92  | 14.44  | 14.96  | 15.48  |

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# KN12-L10-S100- M2- M400W -B

Model

Lead

Stroke

Motor direction

Motor brand and output

Brake

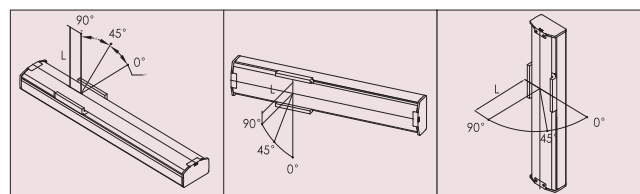
**M2** Motor outside position  
**M3** Motor outside, rightward position  
**M4** Motor outside, leftward position  
**M6** Motor outside, lower position

**X** Siemens  
**M** Mitsubishi  
**Y** Yaskawa  
**P** Panasonic  
**F** Fuji  
**D** Delta

## KN12 Specification

|                          |                |                           |     |      |      |
|--------------------------|----------------|---------------------------|-----|------|------|
| AC Servo motor output(W) |                | 400W                      |     |      |      |
| Repeatability (mm)       |                | ±0.01                     |     |      |      |
| B.S. Outer Diameter(Φ)   |                | Ø16                       |     |      |      |
| Lead (mm)                |                | 5                         | 10  | 20   | 32   |
| Maximum Speed(mm/sec)    |                | 250                       | 500 | 1000 | 1600 |
| Maximum payload(kg)      | Horizontal (H) | 110                       | 88  | 40   | 30   |
|                          | Vertical (V)   | 33                        | 22  | 10   | 8    |
| Rated thrust(N)          |                | 954                       | 480 | 240  | 200  |
| Stroke(mm)               |                | 100-1250<br>(50 interval) |     |      |      |

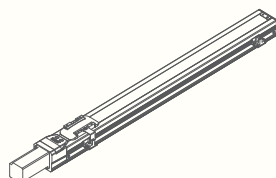
This model is not suggested to be used as the load axis of multi axes.



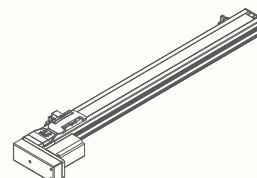
| Horizontal use (Unit: mm) |         |      |      |      | Wall installation use (Unit: mm) |         |     |      |      | Vertical use (Unit: mm) |         |      |      |
|---------------------------|---------|------|------|------|----------------------------------|---------|-----|------|------|-------------------------|---------|------|------|
| Lead                      | Payload | 90°  | 45°  | 0°   | Lead                             | Payload | 90° | 45°  | 0°   | Lead                    | Payload | 90°  | 0°   |
| Lead 5                    | 60kg    | 2850 | 250  | 340  | Lead 5                           | 55kg    | 280 | 280  | 3300 | Lead 5                  | 15kg    | 1200 | 1200 |
|                           | 80kg    | 2100 | 180  | 250  |                                  | 75kg    | 200 | 195  | 2400 |                         | 22kg    | 820  | 820  |
|                           | 110kg   | 1500 | 120  | 170  |                                  | 110kg   | 130 | 125  | 1550 |                         | 33kg    | 550  | 550  |
| Lead 10                   | 30kg    | 2850 | 490  | 600  | Lead 10                          | 35kg    | 400 | 420  | 2500 | Lead 10                 | 10kg    | 1600 | 1600 |
|                           | 50kg    | 1700 | 280  | 350  |                                  | 55kg    | 245 | 250  | 1550 |                         | 14kg    | 1150 | 1150 |
|                           | 88kg    | 950  | 140  | 190  |                                  | 88kg    | 150 | 150  | 950  |                         | 22kg    | 730  | 730  |
| Lead 20                   | 10kg    | 3400 | 1250 | 1400 | Lead 20                          | 12kg    | 900 | 1070 | 3000 | Lead 20                 | 7kg     | 1800 | 1800 |
|                           | 22kg    | 1650 | 550  | 620  |                                  | 20kg    | 550 | 630  | 1800 |                         | 10kg    | 1250 | 1250 |
|                           | 40kg    | 900  | 290  | 330  |                                  | 40kg    | 260 | 300  | 900  |                         | -       | -    | -    |
| Lead 32                   | 15kg    | 1100 | 570  | 550  | Lead 32                          | 15kg    | 440 | 570  | 1050 | Lead 32                 | 5kg     | 1600 | 1600 |
|                           | 25kg    | 620  | 330  | 320  |                                  | 30kg    | 210 | 270  | 520  |                         | 8kg     | 1000 | 1000 |
|                           | 30kg    | 520  | 270  | 260  |                                  | -       | -   | -    | -    |                         | -       | -    | -    |

\*The distance from the center of the block surface to the center of gravity of the object being transported (For reference only)

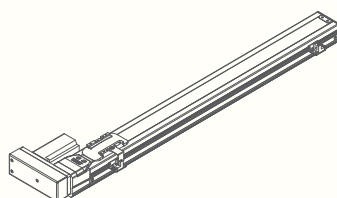
| Unit: N.m      |      |
|----------------|------|
| Horizontal use |      |
| MY             | 606  |
| MP             | 606  |
| MR             | 1168 |



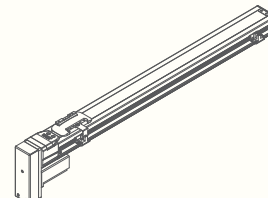
M2



M3

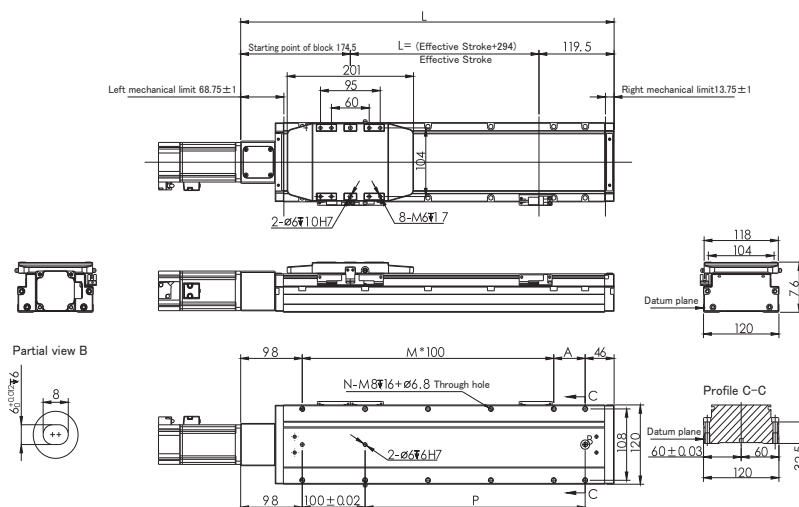


M4



M6

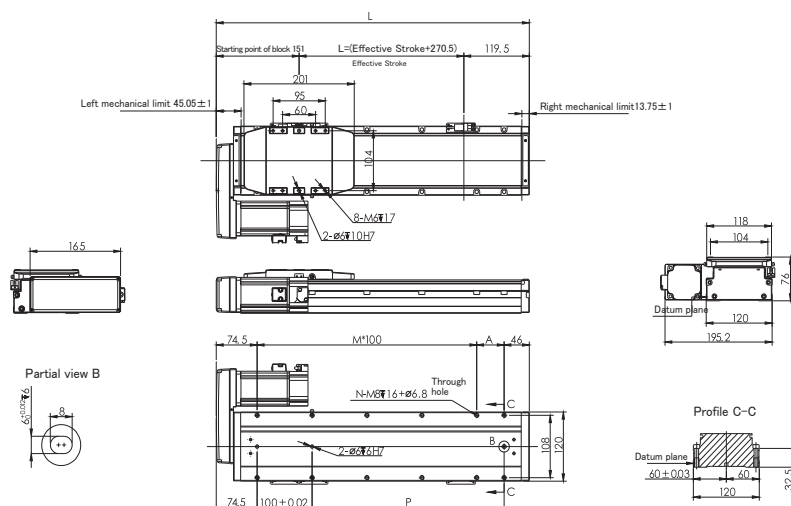
# M2



| Stroke   | 50   | 100 | 150  | 200 | 250  | 300 | 350  | 400 | 450  | 500 | 550  | 600 | 650  | 700 | 750  | 800  | 850   | 900  | 950   | 1000 | 1050  | 1100 | 1150  | 1200 | 1250  |
|----------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|------|-------|------|-------|------|-------|------|-------|------|-------|
| L        | 344  | 394 | 444  | 494 | 544  | 594 | 644  | 694 | 744  | 794 | 844  | 894 | 944  | 994 | 1044 | 1094 | 1144  | 1194 | 1244  | 1294 | 1344  | 1394 | 1444  | 1494 | 1544  |
| A        | 100  | 50  | 100  | 50  | 100  | 50  | 100  | 50  | 100  | 50  | 100  | 50  | 100  | 50  | 100  | 50   | 100   | 50   | 100   | 50   | 100   | 50   | 100   | 50   | 100   |
| M        | 1    | 2   | 2    | 3   | 3    | 4   | 4    | 5   | 5    | 6   | 6    | 7   | 7    | 8   | 8    | 9    | 9     | 10   | 10    | 11   | 11    | 12   | 12    | 13   | 13    |
| N        | 6    | 8   | 8    | 10  | 10   | 12  | 12   | 14  | 14   | 16  | 16   | 18  | 18   | 20  | 20   | 22   | 22    | 24   | 24    | 26   | 26    | 28   | 28    | 30   | 30    |
| P        | 100  | 150 | 200  | 250 | 300  | 350 | 400  | 450 | 500  | 550 | 600  | 650 | 700  | 750 | 800  | 850  | 900   | 950  | 1000  | 1050 | 1100  | 1150 | 1200  | 1250 | 1300  |
| Mass(Kg) | 5.05 | 5.4 | 5.75 | 6.1 | 6.45 | 6.8 | 7.15 | 7.5 | 7.85 | 8.2 | 8.55 | 8.9 | 9.25 | 9.6 | 9.95 | 10.3 | 10.65 | 11   | 11.35 | 11.7 | 12.05 | 12.4 | 12.75 | 13.1 | 13.45 |

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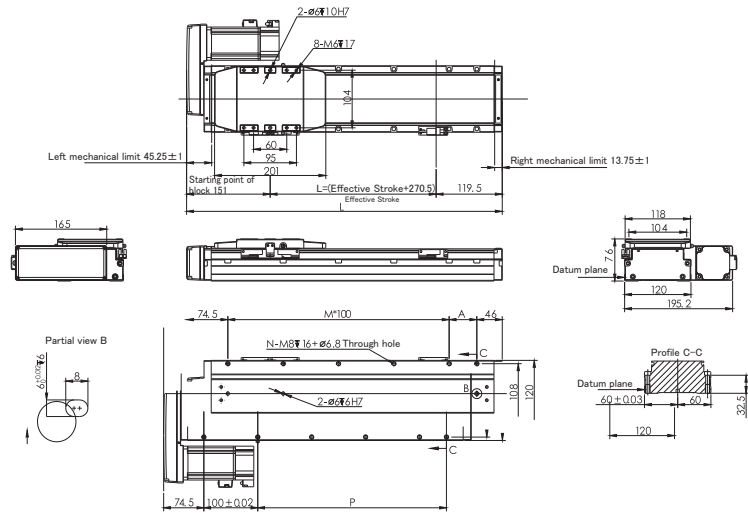
# M3



| Stroke    | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750    | 800    | 850    | 900    | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 320.5 | 370.5 | 420.5 | 470.5 | 520.5 | 570.5 | 620.5 | 670.5 | 720.5 | 770.5 | 820.5 | 870.5 | 920.5 | 970.5 | 1020.5 | 1070.5 | 1120.5 | 1170.5 | 1220.5 | 1270.5 | 1320.5 | 1370.5 | 1420.5 | 1470.5 | 1520.5 |
| A         | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100    | 50     | 100    | 50     | 100    | 50     | 100    | 50     | 100    | 50     | 100    |
| M         | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7     | 7     | 8     | 8      | 9      | 9      | 10     | 10     | 11     | 11     | 12     | 12     | 13     | 13     |
| N         | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18    | 18    | 20    | 20     | 22     | 22     | 24     | 24     | 26     | 26     | 28     | 28     | 30     | 30     |
| P         | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800    | 850    | 900    | 950    | 1050   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   |
| Mass (Kg) | 5.25  | 5.6   | 5.95  | 6.3   | 6.65  | 7     | 7.35  | 7.7   | 8.05  | 8.4   | 8.75  | 9.1   | 9.45  | 9.8   | 10.15  | 10.85  | 11.2   | 11.55  | 11.9   | 12.25  | 12.6   | 12.95  | 13.3   | 13.65  | 14     |

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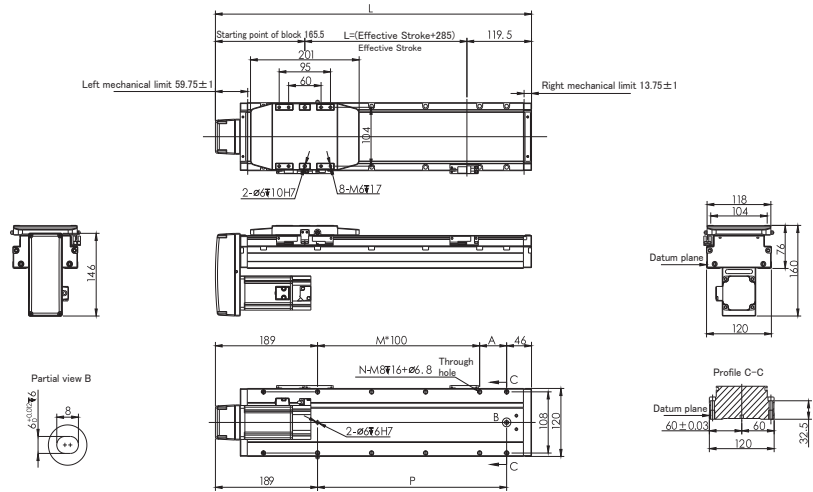
# M4



| Stroke    | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750    | 800    | 850    | 900    | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 320.5 | 370.5 | 420.5 | 470.5 | 520.5 | 570.5 | 620.5 | 670.5 | 720.5 | 770.5 | 820.5 | 870.5 | 920.5 | 970.5 | 1020.5 | 1070.5 | 1120.5 | 1170.5 | 1220.5 | 1270.5 | 1320.5 | 1370.5 | 1420.5 | 1470.5 | 1520.5 |
| A         | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100    | 50     | 100    | 50     | 100    | 50     | 100    | 50     | 100    | 50     | 100    |
| M         | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7     | 7     | 8     | 8      | 9      | 9      | 10     | 10     | 11     | 11     | 12     | 12     | 13     | 13     |
| N         | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18    | 18    | 20    | 20     | 22     | 22     | 24     | 24     | 26     | 26     | 28     | 28     | 30     | 30     |
| P         | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800    | 850    | 900    | 950    | 1050   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   |
| Mass (Kg) | 5.25  | 5.6   | 5.95  | 6.3   | 6.65  | 7     | 7.35  | 7.7   | 8.05  | 8.4   | 8.75  | 9.1   | 9.45  | 9.8   | 10.15  | 10.85  | 11.2   | 11.55  | 11.9   | 12.25  | 12.6   | 12.95  | 13.3   | 13.65  | 14     |

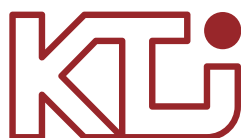
※ Drawings and specifications are subject to change without prior notice.

# M6



| Stroke    | 50    | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750    | 800    | 850    | 900    | 950    | 1000   | 1050   | 1100   | 1150   | 1200   | 1250   |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L         | 320.5 | 370.5 | 420.5 | 470.5 | 520.5 | 570.5 | 620.5 | 670.5 | 720.5 | 770.5 | 820.5 | 870.5 | 920.5 | 970.5 | 1020.5 | 1070.5 | 1120.5 | 1170.5 | 1220.5 | 1270.5 | 1320.5 | 1370.5 | 1420.5 | 1470.5 | 1520.5 |
| A         | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100   | 50    | 100    | 50     | 100    | 50     | 100    | 50     | 100    | 50     | 100    | 50     | 100    |
| M         | 1     | 2     | 2     | 3     | 3     | 4     | 4     | 5     | 5     | 6     | 6     | 7     | 7     | 8     | 8      | 9      | 9      | 10     | 10     | 11     | 11     | 12     | 12     | 13     | 13     |
| N         | 6     | 8     | 8     | 10    | 10    | 12    | 12    | 14    | 14    | 16    | 16    | 18    | 18    | 20    | 20     | 22     | 22     | 24     | 24     | 26     | 26     | 28     | 28     | 30     | 30     |
| P         | 100   | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800    | 850    | 900    | 950    | 1050   | 1050   | 1100   | 1150   | 1200   | 1250   | 1300   |
| Mass (Kg) | 5.25  | 5.6   | 5.95  | 6.3   | 6.65  | 7     | 7.35  | 7.7   | 8.05  | 8.4   | 8.75  | 9.1   | 9.45  | 9.8   | 10.15  | 10.85  | 11.2   | 11.55  | 11.9   | 12.25  | 12.6   | 12.95  | 13.3   | 13.65  | 14     |

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