

# Simplified Slide Rails

Aluminum, With Ball Bearing / Position Locking Type

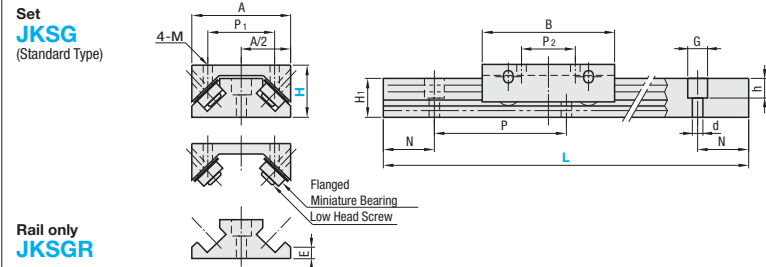
Load Rating: 49N~99N/pc

■Features: Lightweight since made of Aluminum. Sliders are Four Mounting Screw Type.



| Type                                   |              |
|----------------------------------------|--------------|
| Set<br>(Slider 1 pc. + Rail 1 pc.)     | Rail         |
| <b>JKSG</b><br>(Standard Type)         | <b>JKSGR</b> |
| <b>JKSC</b><br>(Position Locking Type) |              |

| Part Name                   | M      | Material         | S | Surface Treatment  |
|-----------------------------|--------|------------------|---|--------------------|
| Slider                      |        | Aluminum         |   | Hard Clear Anodize |
| Rail                        |        | Aluminum         |   | Hard Clear Anodize |
| Screw for Tentative Locking | Thread | EN 1.4301 Equiv. |   | -                  |
|                             | Tip    | Polyacetal       |   | -                  |



⚠ Use in places where guides are subjected to moment load is not recommended.

| Part Number           | Slider Dimensions | Guide Rail Dimensions                                              | Load Rating N (kgf) per Slider |
|-----------------------|-------------------|--------------------------------------------------------------------|--------------------------------|
| Type                  | H                 | A B P <sub>1</sub> P <sub>2</sub> M C D H <sub>1</sub> E dxGxh N P |                                |
| Set                   | <b>10</b>         | 20 30 13 13 3 24 6 7.5 1.8 3.5x6x4 7.5 40                          | 49(5)                          |
| Standard Type         | <b>JKSG</b>       | <b>13</b> 23 30 15 11 3 23.5 6 9 2.7 3.5x6x4 10 50                 | 59(6)                          |
| Position Locking Type | <b>JKSC</b>       | <b>16</b> 30 40 19 16 3 32 10 12 3.5 3.5x6x7 15 40                 | 79(8)                          |
| Rail only             | <b>JKSGR</b>      | <b>16A</b> 30 40 20 14 5 32 10 12 3.5 3.5x6x7 15 40                | 79(8)                          |
|                       | <b>24</b>         | 40 60 28 22 5 29 10 16 4.5 6x9.5x10 20 60                          | 99(10)                         |

|                  |             |   |                             |
|------------------|-------------|---|-----------------------------|
| Ordering Example | Part Number | - | L                           |
|                  | JKSG13      | - | 170 (Set)                   |
|                  | JKSGR24     | - | 580 (Rail only)             |
|                  | JKSC13      | - | 370 (Position Locking Type) |

| H   | L   | Effective Stroke Slider 1 pc. | Unit Price      | Addable Slider Qty. |
|-----|-----|-------------------------------|-----------------|---------------------|
|     |     |                               | JKSG JKSC JKSGR |                     |
| 55  | 19  |                               |                 | -                   |
| 95  | 59  |                               |                 | 1~2                 |
| 135 | 99  |                               |                 | 1~3                 |
| 175 | 139 |                               |                 | 1~4                 |
| 215 | 179 |                               |                 | 1~6                 |
| 255 | 219 |                               |                 | 1~7                 |
| 295 | 259 |                               |                 | 1~8                 |
| 335 | 299 |                               |                 |                     |
| 375 | 339 |                               |                 |                     |
| 415 | 379 |                               |                 |                     |
| 455 | 419 |                               |                 |                     |
| 495 | 459 |                               |                 |                     |
| 535 | 499 |                               |                 |                     |
| 575 | 539 |                               |                 |                     |
| 615 | 579 |                               |                 |                     |
| 70  | 34  |                               |                 | 1                   |
| 120 | 84  |                               |                 | 1~3                 |
| 170 | 134 |                               |                 | 1~4                 |
| 220 | 184 |                               |                 | 1~6                 |
| 270 | 234 |                               |                 | 1~8                 |
| 320 | 284 |                               |                 | 1~9                 |
| 370 | 334 |                               |                 |                     |
| 420 | 384 |                               |                 |                     |
| 470 | 434 |                               |                 |                     |
| 520 | 484 |                               |                 |                     |
| 570 | 534 |                               |                 |                     |
| 620 | 584 |                               |                 |                     |
| 670 | 634 |                               |                 |                     |

| H   | L   | Effective Stroke Slider 1 pc. | Unit Price      | Addable Slider Qty. |
|-----|-----|-------------------------------|-----------------|---------------------|
|     |     |                               | JKSG JKSC JKSGR |                     |
| 70  | 24  |                               |                 | -                   |
| 110 | 64  |                               |                 | 1                   |
| 150 | 104 |                               |                 | 1~2                 |
| 190 | 144 |                               |                 | 1~3                 |
| 230 | 184 |                               |                 | 1~4                 |
| 270 | 224 |                               |                 | 1~5                 |
| 310 | 264 |                               |                 | 1~6                 |
| 350 | 304 |                               |                 | 1~7                 |
| 390 | 344 |                               |                 | 1~8                 |
| 430 | 384 |                               |                 | 1~9                 |
| 470 | 424 |                               |                 |                     |
| 510 | 464 |                               |                 |                     |
| 550 | 504 |                               |                 |                     |
| 590 | 544 |                               |                 |                     |
| 630 | 584 |                               |                 |                     |
| 670 | 624 |                               |                 |                     |
| 710 | 664 |                               |                 |                     |
| 100 | 34  |                               |                 | 1                   |
| 160 | 94  |                               |                 | 1~2                 |
| 220 | 154 |                               |                 | 1~3                 |
| 280 | 214 |                               |                 | 1~4                 |
| 340 | 274 |                               |                 | 1~5                 |
| 400 | 334 |                               |                 | 1~6                 |
| 460 | 394 |                               |                 | 1~7                 |
| 520 | 454 |                               |                 | 1~8                 |
| 580 | 514 |                               |                 | 1~9                 |
| 640 | 574 |                               |                 |                     |
| 700 | 634 |                               |                 |                     |
| 760 | 694 |                               |                 |                     |

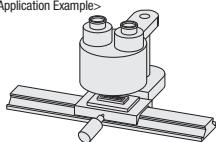
⚠ Effective stroke is the dimension value with a margin of approx. 3mm set from each end to avoid dropout of sliders.

## Position Locking Type (JKSC)

Please use for retaining horizontally-placed Linear Rail Slider at a specified position.  
(Usage Example: Quick positioning for inspected workpieces)

| H   | Retaining Force (kg) |
|-----|----------------------|
| 10  | 0.5                  |
| 13  | 0.5                  |
| 16  | 1.0                  |
| 16A | 1.0                  |
| 24  | 1.2                  |

<Application Example>



\* Refer to the table above for retaining force (reference values).  
Retaining position alters when external force larger than the retaining force is applied.  
\* To use simplified slide rails in vertical or inclined states, provide them with external structures to prevent sliders from falling off.  
\* Retaining force (reference value) is the value when the tightening force of slider fixing screw for Locking Type is set to 0.1N·m. If tightening force exceeds 0.1N·m, screw tip can be broken.

|             |             |   |     |   |       |
|-------------|-------------|---|-----|---|-------|
| Alterations | Part Number | - | L   | - | (S·C) |
|             | JKSG16      | - | 550 | - | S1    |

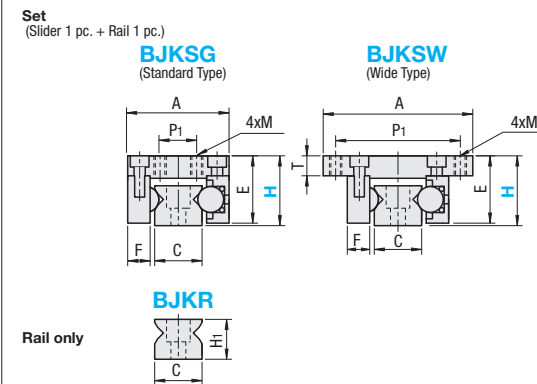
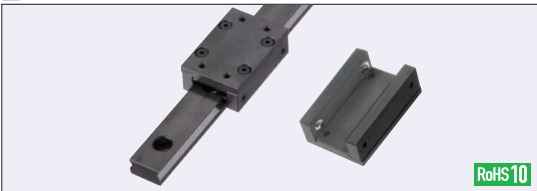
| Alterations            |                       | Code             | Spec.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |  |               |                   |          |                       |  |  |   |   |               |   |   |   |                  |
|------------------------|-----------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|---------------|-------------------|----------|-----------------------|--|--|---|---|---------------|---|---|---|------------------|
| Additional Slider      | Standard Type         | S                | Sliders are added.<br>Please specify additional slider quantity after S and C.<br>Please refer to the price list for maximum quantity of addable sliders.<br>■ Selection Example                                                                                                                                                                                                                                                                                                                                                                                                                   |                        |  |               |                   |          |                       |  |  |   |   |               |   |   |   |                  |
|                        | Position Locking Type | C                | <table border="1"><thead><tr><th colspan="2">Additional Slider Qty.</th><th>Ordering Code</th><th>Slider Total Qty.</th></tr><tr><th>Standard</th><th>Position Locking Type</th><th></th><th></th></tr></thead><tbody><tr><td>5</td><td>0</td><td>JKSG16-710-S5</td><td>6</td></tr><tr><td>1</td><td>2</td><td>JKSG16-510-S1-C2</td><td>4</td></tr></tbody></table><br>⚠ Added sliders are of the same H dimension as that of the original part number model.<br>⚠ When ordering 50 or more identical sliders at a time, please request a quotation.<br>⊗ Not applicable when ordering rails only. | Additional Slider Qty. |  | Ordering Code | Slider Total Qty. | Standard | Position Locking Type |  |  | 5 | 0 | JKSG16-710-S5 | 6 | 1 | 2 | JKSG16-510-S1-C2 |
| Additional Slider Qty. |                       | Ordering Code    | Slider Total Qty.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |  |               |                   |          |                       |  |  |   |   |               |   |   |   |                  |
| Standard               | Position Locking Type |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        |  |               |                   |          |                       |  |  |   |   |               |   |   |   |                  |
| 5                      | 0                     | JKSG16-710-S5    | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |  |               |                   |          |                       |  |  |   |   |               |   |   |   |                  |
| 1                      | 2                     | JKSG16-510-S1-C2 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                        |  |               |                   |          |                       |  |  |   |   |               |   |   |   |                  |

# Simplified Slide Rails

Steel, With Ball Rollers

Load Rating: 68N, 147N/pc

■Features: Linear Rail made of carbon steel.



⚠ Use in places where guides are subjected to moment load is not recommended.

| Part Number   | Slider Dimensions | Guide Rail Dimensions                                                | Mounting Low Head Screws | Load Rating N (kgf) per Slider |
|---------------|-------------------|----------------------------------------------------------------------|--------------------------|--------------------------------|
| Type          | H                 | A B T E F P <sub>1</sub> P <sub>2</sub> M H <sub>1</sub> C dxGxh N P |                          |                                |
| Set           | <b>16</b>         | 30 44 44 4 15 6 13 37 34 3 9 16 4.5x6.5 15 40                        | M3x6                     | 68(7)                          |
| Standard Type | <b>BJKSG</b>      | <b>20</b> 30 44 44 8 19 6 13 37 34 3 9 16 4.5x6.5 15 40              | M3x8                     | 68(7)                          |
| Wide Type     | <b>BJKSW</b>      | <b>24</b> 41 60 60 4 23 9 15 50 41 4 16 19 6x9.5x9 20 60             | M4x6                     | 147(15)                        |
| Rail only     | <b>BJKJR</b>      | <b>28</b> 41 60 60 8 27 9 15 50 41 5 16 19 6x9.5x9 20 60             | M4x8                     | 147(15)                        |

| H   | L   | Effective Stroke Slider 1 pc. | Unit Price                        | Addable Slider Qty. |
|-----|-----|-------------------------------|-----------------------------------|---------------------|
|     |     |                               | Standard Type Wide Type Rail only |                     |
| 70  | 20  |                               |                                   | -                   |
| 110 | 60  |                               |                                   | 1                   |
| 150 | 100 |                               |                                   | 1~2                 |
| 190 | 140 |                               |                                   | 1~3                 |
| 230 | 180 |                               |                                   | 1~4                 |
| 270 | 220 |                               |                                   | 1~5                 |
| 310 | 260 |                               |                                   | 1~6                 |
| 350 | 300 |                               |                                   | 1~7                 |
| 390 | 340 |                               |                                   | 1~8                 |
| 430 | 380 |                               |                                   | 1~9                 |
| 470 | 420 |                               |                                   |                     |
| 510 | 460 |                               |                                   |                     |
| 550 | 500 |                               |                                   |                     |
| 590 | 540 |                               |                                   |                     |
| 630 | 580 |                               |                                   |                     |
| 670 | 620 |                               |                                   |                     |
| 710 | 660 |                               |                                   |                     |
| 750 | 700 |                               |                                   |                     |
| 790 | 740 |                               |                                   |                     |
| 70  | 20  |                               |                                   | -                   |
| 110 | 60  |                               |                                   | 1                   |
| 150 | 100 |                               |                                   | 1~2                 |
| 190 | 140 |                               |                                   | 1~3                 |
| 230 | 180 |                               |                                   | 1~4                 |
| 270 | 220 |                               |                                   | 1~5                 |
| 310 | 260 |                               |                                   | 1~6                 |
| 350 | 300 |                               |                                   | 1~7                 |
| 390 | 340 |                               |                                   | 1~8                 |
| 430 | 380 |                               |                                   | 1~9                 |
| 470 | 420 |                               |                                   |                     |
| 510 | 460 |                               |                                   |                     |
| 550 | 500 |                               |                                   |                     |
| 590 | 540 |                               |                                   |                     |
| 630 | 580 |                               |                                   |                     |
| 670 | 620 |                               |                                   |                     |
| 710 | 660 |                               |                                   |                     |
| 750 | 700 |                               |                                   |                     |
| 790 | 740 |                               |                                   |                     |

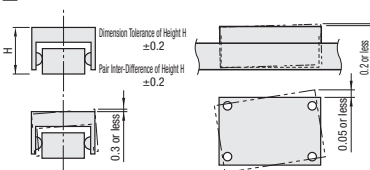
| H   | L   | Effective Stroke Slider 1 pc. | Unit Price                        | Addable Slider Qty. |
|-----|-----|-------------------------------|-----------------------------------|---------------------|
|     |     |                               | Standard Type Wide Type Rail only |                     |
| 100 | 34  |                               |                                   | -                   |
| 160 | 94  |                               |                                   | 1                   |
| 220 | 154 |                               |                                   | 1~2                 |
| 280 | 214 |                               |                                   | 1~3                 |
| 340 | 274 |                               |                                   | 1~4                 |
| 400 | 334 |                               |                                   | 1~5                 |
| 460 | 394 |                               |                                   | 1~6                 |
| 520 | 454 |                               |                                   | 1~7                 |
| 580 | 514 |                               |                                   | 1~8                 |
| 640 | 574 |                               |                                   | 1~9                 |
| 100 | 34  |                               |                                   | -                   |
| 160 | 94  |                               |                                   | 1                   |
| 220 | 154 |                               |                                   | 1~2                 |
| 280 | 214 |                               |                                   | 1~3                 |
| 340 | 274 |                               |                                   | 1~4                 |
| 400 | 334 |                               |                                   | 1~5                 |
| 460 | 394 |                               |                                   | 1~6                 |
| 520 | 454 |                               |                                   | 1~7                 |
| 580 | 514 |                               |                                   | 1~8                 |
| 640 | 574 |                               |                                   | 1~9                 |

|                  |             |   |                 |
|------------------|-------------|---|-----------------|
| Ordering Example | Part Number | - | L               |
|                  | BJKSG28     | - | 400 (Set)       |
|                  | BJKJR24     | - | 160 (Rail only) |

## Features of Simplified Slide Rails

- Linear mechanisms such as simplified fixtures can be built at an affordable price. Best suited when more secure slide rails are required than aluminum products on P641 and P647.)
- As many sliders and rails can be added as necessary.
- Height (H), length (L) and mounting pitches (N, P) are in common with Linear Guides.

## Precision Standards



|             |             |   |     |   |        |
|-------------|-------------|---|-----|---|--------|
| Alterations | Part Number | - | L   | - | (S, W) |
|             | BJKSG16     | - | 550 | - | S1     |

| Alterations       |                        | Code                                                                                                                                                                                                                        | Spec.                                                                                                                                                                                                                                                                                                       |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |
|-------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|---------------|-------------------|----------|------|--|--|---|---|----------------|---|---|---|
| Additional Slider | Standard Type          | S                                                                                                                                                                                                                           | Sliders are added.<br>Please specify additional slider quantity after S and W.<br>Please refer to the price list for maximum quantity of addable sliders.<br>■ Selection Example                                                                                                                            |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |
|                   |                        |                                                                                                                                                                                                                             | <table><tr><th colspan="2">Additional Slider Qty.</th><th>Ordering Code</th><th>Slider Total Qty.</th></tr><tr><th>Standard</th><th>Wide</th><th></th><th></th></tr><tr><td>5</td><td>0</td><td>BJKSG16-510-S5</td><td>6</td></tr><tr><td>1</td><td>2</td><td>BJKSG16-510-S1-W2</td><td>4</td></tr></table> | Additional Slider Qty. |  | Ordering Code | Slider Total Qty. | Standard | Wide |  |  | 5 | 0 | BJKSG16-510-S5 | 6 | 1 | 2 |
|                   | Additional Slider Qty. |                                                                                                                                                                                                                             | Ordering Code                                                                                                                                                                                                                                                                                               | Slider Total Qty.      |  |               |                   |          |      |  |  |   |   |                |   |   |   |
|                   | Standard               | Wide                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                             |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |
| 5                 | 0                      | BJKSG16-510-S5                                                                                                                                                                                                              | 6                                                                                                                                                                                                                                                                                                           |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |
| 1                 | 2                      | BJKSG16-510-S1-W2                                                                                                                                                                                                           | 4                                                                                                                                                                                                                                                                                                           |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |
| Wide Type         | W                      | ④ Added sliders are of the same H dimension as that of the original part number model.<br>④ When ordering 50 or more identical sliders at a time, please request a quotation.<br>④ Not applicable when ordering rails only. |                                                                                                                                                                                                                                                                                                             |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |
|                   |                        |                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                             |                        |  |               |                   |          |      |  |  |   |   |                |   |   |   |

⚠ Effective stroke is the dimension value with a margin of approx. 3mm set from each end to avoid dropout of sliders.