

Simplified Slide Rails (Load Rating: 49–99N per Piece)

Ball Bearing / With Lock

Simplified Slide Rails – Ball Bearing / With Lock

Type		Material	Surface Treatment
Set (Block 1 Pc. + Rail)			
JKSG Standard Type	JKSGR	Aluminum	Hard Clear Anodize
JKSC Locking Type		Aluminum	Hard Clear Anodize

Set JKSG Standard

Set JKSC Locking

Rail Only JKSGR

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

Part Number	Type	Block Dimensions					Guide Rail Dimensions					Load Rating N (kgf) Per Slider			
		H	A	B	P ₁	P ₂	M	C	D	H ₁	E		d x G x h	N	P
Set Standard	JKSG	10	20	30	13	13	3	24	6	7.5	1.8	3.5 x 6 x 4	7.5	40	49 (5)
Locking	JKSC	13	23	30	15	11	3	23.5	6	9	2.7	3.5 x 6 x 4	10	50	59 (6)
Rail Only	JKSGR	16	30	40	19	16	3	32	10	12	3.5	3.5 x 6 x 7	15	40	79 (8)
		16A	30	40	20	14	5	32	10	12	3.5	3.5 x 6 x 7	15	40	79 (8)
		24	40	60	28	22	5	29	10	16	4.5	6 x 9.5 x 10	20	60	99 (10)

Part Number Example

Part Number - L

JKSG13 - 170 (Set)

JKSGR24 - 580 (Rail Only)

JKSC13 - 370 (Locking)

Part Number Alterations

Part Number - L - (S / C)

JKSG16 - 550 - S1

Application Example

H	L	Effective Stroke* Slider 1 pc.	Additional Slider Qty.
10	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	1–10
	495	459	—
535	499	—	
615	579	—	
13	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	1–10
	570	534	—
	620	584	—
670	634	—	

H	L	Effective Stroke* Slider 1 pc.	Additional Slider Qty.
16	70	24	—
	110	64	1
	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	1–10
590	544	—	
630	584	—	
670	624	—	
710	664	—	
24	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
	700	634	—
	760	694	1–10

Alterations	Code	Spec.												
Standard Sliders Added Type	S	Sliders are added. Please specify additional slider quantity after S and C. Please refer to the price list for maximum quantity of additional sliders that can be added.												
Locking Type	C	<p>Selection Example</p> <table border="1"> <thead> <tr> <th>Standard Sliders Added</th> <th>Quick Retention</th> <th>Order Code</th> <th>Slider Total No.</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> <p>⚠ Added sliders are of the same H-dimension as that of the original part number model.</p> <p>⊗ Not applicable for ordering rails only</p>	Standard Sliders Added	Quick Retention	Order Code	Slider Total No.	5	0	JKSG16-710-S5	6	1	2	JKSG16-510-S1-C2	4
Standard Sliders Added	Quick Retention	Order Code	Slider Total No.											
5	0	JKSG16-710-S5	6											
1	2	JKSG16-510-S1-C2	4											

- Features of Simplified Slide Rails**
- Linear mechanisms such as simplified fixtures can be built at an affordable price.
 - As many sliders and rails can be added as necessary.
 - Height (H), length (L) and mounting pitches (N, P) are in common with Miniature Linear Guides. However, for H13 Type, P=50 (for Miniature Slide Guides, P=25).
 - Both sliders and rails are made of aluminum (anodized) to achieve light weight.

Precision Standards

Dimension Tolerance of Height H Dimension: ±0.2

Pair Inter-Difference of Height H Dimension: ±0.2

0.07 or Less

0.05 or Less

0.05 or Less

0.15 or Less

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

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

*Refer to the table to the left for retention 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 0.1 N.m. If tightening force exceeds 0.1 N.m, screw tip can be broken.

Simplified Slide Rails (Load Rating: 68, 147N per Piece)

Ball Rollers

Simplified Slide Rails with Ball Rollers

Part	Material	Surface Treatment
Slider	1045 Carbon Steel or Equivalent	Black Oxide
Rail	1045 Carbon Steel or Equivalent	Black Oxide*
Ball	440C Stainless Steel	—
Mounting Screws	4137 Alloy Steel	Black Oxide

*Except Sliding Contact Surface

Set (Slider 1 Pc. + Rail 1 Pc.) BJKSG (Standard)

BJKSW (Wide)

Rail Only BJKR

Structure Image

Enlarged View in

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

Part Number	Type	Slider Dimensions					Guide Rail Dimensions					Installation Low Head Screws	Load Rating N (kgf) per Slider					
		A	B	T	E	F	P ₁	P ₂	M	H ₁	C			d x G x h	N	P		
Set Standard	16	30	44	44	4	15	6	13	37	34	3	9	16	4.5 x 8 x 5.5	15	40	M3 x 6	68 (7)
Wide	20				8	19											M3 x 8	68 (7)
Rail Only	24	41	60	60	4	23	9	15	50	41	4	16	19	6 x 9.5 x 9	20	60	M4 x 6	147 (15)
	28				8	27					5						M4 x 8	147 (15)

H	L	Effective Stroke* Slider 1 pc.	Additional Slider Qty.
16	70	20	—
	110	60	1
	150	100	1–2
	190	140	1–3
	230	180	1–4
	270	220	1–5
	310	260	—
	350	300	1–6
	390	340	1–7
	430	380	1–8
	470	420	1–9
	510	460	—
550	500	—	
590	540	—	
630	580	1–10	
670	620	—	
710	660	—	
750	700	—	
790	740	—	
20	70	20	—
	110	60	1
	150	100	1–2
	190	140	1–3
	230	180	1–4
	270	220	1–5
	310	260	—
	350	300	1–6
	390	340	1–7
	430	380	1–8
	470	420	1–9
	510	460	—
550	500	—	
590	540	—	
630	580	1–10	
670	620	—	
710	660	—	
750	700	—	
790	740	—	

H	L	Effective Stroke* Slider 1 pc.	Slider Addition Addable Qty.	
24	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	
	28	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	

Precision Standards

Dimension Tolerance of Height H Dimension: ±0.2

Pair Inter-Difference of Height H Dimension: ±0.2

0.1 or Less

0.05 or Less

Part Number Example

Part Number - L

BJKSG28 - 400 (Set)

BJKR24 - 160 (Rail Only)

Part Number Alterations

Part Number - L - (S / W)

BJKSG16 - 550 - S1

Alterations	Code	Spec.															
Standard	S	Sliders are added. Please specify additional slider quantity after S and W.															
Wide	W	<p>Selection Example</p> <table border="1"> <thead> <tr> <th>Added Slider Qty.</th> <th>Standard</th> <th>Wide</th> <th>Order Code</th> <th>Slider Total No.</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>0</td> <td></td> <td>BJKSG16-510-S5</td> <td>6</td> </tr> <tr> <td>1</td> <td>2</td> <td></td> <td>BJKSG16-510-S1-W2</td> <td>4</td> </tr> </tbody> </table> <p>⚠ Added sliders are of the same H-dimension as that of the original part number model.</p> <p>⊗ Not applicable for ordering rails only</p>	Added Slider Qty.	Standard	Wide	Order Code	Slider Total No.	5	0		BJKSG16-510-S5	6	1	2		BJKSG16-510-S1-W2	4
Added Slider Qty.	Standard	Wide	Order Code	Slider Total No.													
5	0		BJKSG16-510-S5	6													
1	2		BJKSG16-510-S1-W2	4													

- 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.)
 - 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.