

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

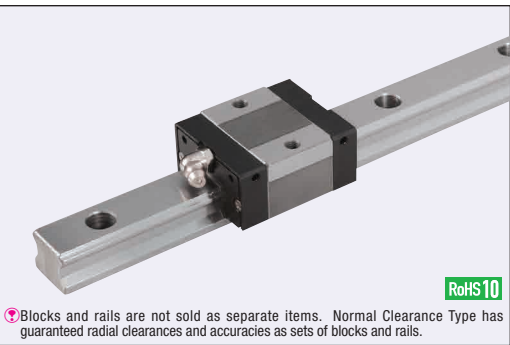


Linear Guides for Medium Load

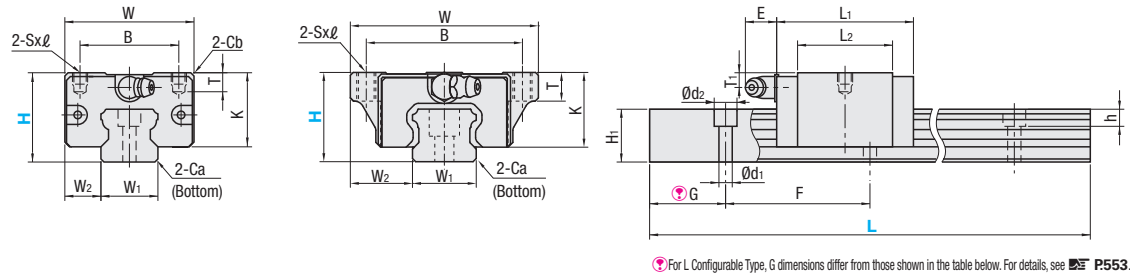
Normal Clearance

Points of comparison against similar products

Select C-VALUE Products for medium-accuracy positioning, medium/low load, and medium-to-low frequency drive application. When you consider using C-VALUE Products, select an appropriate model after comparing the specifications with those of the existing products. P589, P593



Blocks and rails are not sold as separate items. Normal Clearance Type has guaranteed radial clearances and accuracies as sets of blocks and rails.

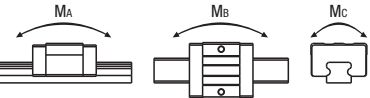


- Precautions for Use
 - This product is All Ball Type. Blocks are equipped with retainers to prevent balls from derailing. For how to handle the blocks, see P547.
 - Radial clearances and accuracies are not guaranteed if the blocks and rails are interchanged from the original set combinations.
 - Thick grooves are provided on the datum planes of blocks and rails. Be sure to match the datum planes when using.
 - Rails cannot be connected end to end.
 - Running parallelism is the value measured after the rail is mounted. (It is not the value measured before the rails are fastened with screws.)
 - The accuracy of Linear Guides is guaranteed after mounting the rail (after fastening screws on the rail and pushing it onto the datum plane).
 - Minor bending of the rail will be adjusted after being mounted and will not affect the performance.
- Others
 - Filled with Lithium soap based grease (Alvania Grease S2 by Showa Shell Sekiyu K.K).
 - Grease Fittings: Straight Type for H24 and Angled Type for H28 and H33.
 - Grease Fitting is screw-in type, and thus, can be repositioned.
 - For installation and maintenance of Linear Guides, see P551.

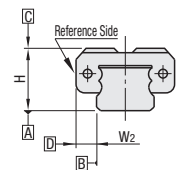
H	Type	H	L	Block Dimension										Guide Rail Dimension							
				W	L ₁	B	Sxℓ	L ₂	K	T	Cb	Grease Fitting			H ₁	W ₁	W ₂	Ca	Counterbored Hole	F	G
Standard Block	(1 block) C-SVR (2 blocks) C-SV2R C-SVRL C-SV2RL	24	100~1480 (160)	34	39.3	26	M4x5	22.9	20.8	6.2	0.5	M4x0.7	6	5.5	13	15	9.5	0.5	4.5x7.5x6	60	20
		28	160~1960 (220)	42	47.8	32	M5x5	27.8	23.4	7.2	0.5	M6x1	12	4.5	16.5	20	11	0.5	6x9.5x8.5	60	20
		33	160~1960 (220)	48	56.2	35	M6x6	35.2	27.2	8.15	1	M6x1	12	4.5	20	23	12.5	0.9	7x11x9	60	20
		42	280~1960	60	66.4	40	M8x8	40.4	35	8.5	1.0	M6x1	14	8	23	28	16	1	9x14x12	80	20
Wide Block	(1 block) C-SVWT (2 blocks) C-SV2WT C-SVWTL C-SV2WTL	24	100~1480 (160)	52	39.3	41	M5x7	22.9	20.8	7	-	M4x0.7	7	5.5	13	15	18.5	0.5	4.5x7.5x6	60	20
		28	160~1960 (220)	59	47.8	49	M6x9	27.8	23.4	9	-	M6x1	14	4.5	16.5	20	19.5	0.5	6x9.5x8.5	60	20

Both ends of the rail are evenly cut for L Dimension Configurable Type. G dim. resulting from this cutting process will become other than indicated on the above table. For details about how to calculate the applicable G dim., see P553.

Allowable Load								kgf=N×0.10972	
H	Basic Load Rating		Allowable Static Moment			Mass		Block kg	Guide Rail kg/m
	C (Dynamic) kN	Co kN	MA N·m	MB N·m	Mc N·m	Standard	Wide		
24	3.2	5.2	13.3	13.3	40.8	0.07	0.098	1.32	
28	4.7	7.1	18.6	18.6	75.2	0.11	0.15	2.28	
33	6.9	10.6	38.0	38.0	129.7	0.18	0.26	3.17	
42	9.3	13.7	52.4	52.4	201.9	0.48	-	4.54	



Preload and Accuracy Standards



Normal Clearance Type

Radial Clearance (μm)	
H24	-4~+4
H28	-5~+5
H33	-6~+6
H42	-7~+7

Dimensional Accuracy (μm)	
Height H Tolerance	±120
Variation of Height H	40
Width W ₂ Tolerance	±120
Variation of Width W ₂	40
Running Parallelism of Plane C against Plane A	See P547
Running Parallelism of Plane D against Plane B	

Linear Guide Linear Guide MISUMI Linear Guides Search

For large quantity order, use this Search engine. MISUMI Linear Guides (Lg. Qty) Search

Similar Product Pages P589

H	Unit Price			
	1 block		2 blocks	
	C-SVRL	C-SVWTL	C-SV2RL	C-SV2WTL
24				
28				
33				
42				

L Dimension Configurable Type (10mm Increment) Add the above amount to the unit price of the Selectable Type longer than, and closest to this L Dimension Configurable Type.

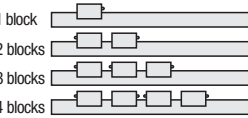
Ordering Example	Part Number	-	L
	C-SVR28	-	880
	C-SVWT28	-	880

Alterations	Code	Spec.
3-Block Specifications	B3	Add 2 blocks to 1-block product to ship as 3-block separate item. Selection Example: C-SVR24-400-B3
4-Block Specifications	B4	Add 3 blocks to 1-block product to ship as 4-block separate item. Selection Example: C-SVR24-400-B4

Additional Block Price

H	B3: /1Code		B4: /1Code	
	C-SVR	C-SVWT	C-SVR	C-SVWT
24				
28				
33				
42				

Position of Grease Fitting (Reference plane on the front side)



Selectable Shortest Rail Length for B3/B4

H	B3 (3-block)	B4 (4-block)
24	340	400
28	400	460
33	400	520
42	440	520