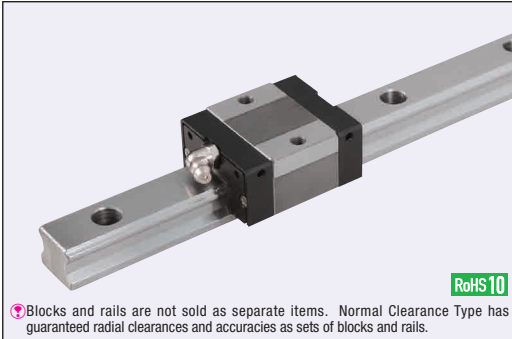




Points of comparison against similar products

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

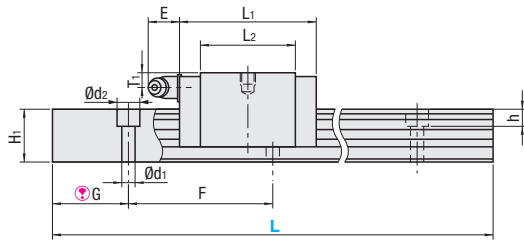
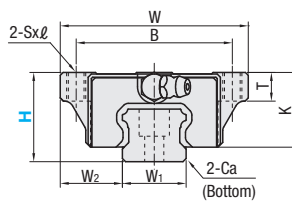
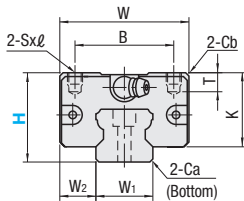


RoHS 10

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

	Type		L Dimension	Material Hardness
	1 block	2 blocks		
Standard Block	Standard Grade	Standard Grade	Selectable	Rails / Blocks: Carbon Steel 58HRC~62HRC
	C-SVR	C-SV2R	Configurable	
Wide Block	Standard Grade	Standard Grade	Selectable	
	C-SVWT	C-SV2WT	Configurable	

Heat Resistant Temperature: -20 ~ 80°C
 For L Dimension Configurable Type, any L dim. on the Price List is not available.
 C-SVRL24-170 (Configurable): ○
 C-SVRL24-160 (Selectable): × → Place order for C-SVR24-160 (Selectable)



For L Configurable Type, G dimensions differ from those shown in the table below. For details, see P553.

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.

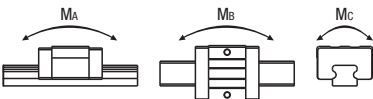
H	Type	H	L	Block Dimension										Guide Rail Dimension							
				W	L1	B	Sxℓ	L2	K	T	Cb	Grease Fitting			H1	W1	W2	Ca	Counterbored Hole d1xd2xh	F	G
												Mounting Hole	E	T1							
Standard Block	(1 block) C-SVR	24	100~1480 (160)	34	39.3	26	M4x5	22.9	20.8	6.2	0.5	M4x0.7	6	5.5	13	15	9.5	0.5	4.5x7.5x6	60	20
	(2 blocks) C-SV2R	28	100~1960 (160)	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
	(1 block) C-SVRL	33	100~1960 (160)	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
	(2 blocks) C-SV2RL	42	120~1960 (200)	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	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
	(2 blocks) C-SV2WT C-SVWTL C-SV2WTL	28	100~1960 (160)	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.

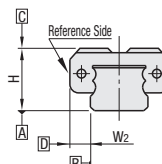
Allowable Load

kgf=N×0.10972

H	Basic Load Rating			Allowable Static Moment			Mass		
	C (Dynamic) kN	Co kN	MA N·m	Mb N·m	Mc N·m	Block kg Standard	Guide Rail kg/m Wide	Block kg Standard	Guide Rail kg/m 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 W2 Tolerance	±120
Variation of Width W2	40
Running Parallelism of Plane C against Plane A	See P547
Running Parallelism of Plane D against Plane B	See P547