

Linear Guides for Extra Super Heavy Load

With Plastic Retainers, Interchangeable, Light Preload

Similar Products Comparison Points | Select this product for high precision positioning, heavy load, and high frequency drive application.

Industry Standard

RoHS 10

	Type		Block	Rail	L Dimension	Material Hardness
	1 block	2 blocks				
Standard	SERZ	SE2RZ	SERB	SHZL	Selectable	Carbon Steel 58HRC ~
	SERLZ	SE2RLZ		SHZLF	Configurable	
Wide Block Through Hole	SEWZ	SE2WZ	SEWB	SHZL	Selectable	
	SEWLZ	SE2WLZ		SHZLF	Configurable	
Wide Block Tapped Hole	SEWTZ	SE2WTZ	SEWTB	SHZL	Selectable	
	SEWTLZ	SE2WTLZ		SHZLF	Configurable	

Heat Resistant Temperature: 0 ~ 50°C

Plastic Retainer
Steel Ball

Precautions for Use

- Blocks are equipped with retainers to prevent balls from falling off. For how to handle the blocks, see P525.
- For interchangeable, Light Preload Type, rails and blocks can be interchanged.
- Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
- Rails cannot be connected end to end.
- 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

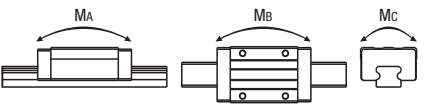
- Filled with Lithium soap based grease (Alvania Grease S2 by Showa Shell Sekiyu K.K.).
- Angled Grease Fitting Type
- Grease Fitting is screw-in type, and thus, can be repositioned.
- For Operating Life Calculation, see P527
- For operating life calculations, use our free calculation software from http://download.misumi.jp/mol/fa_soft.html.

	Part Number		H	L	Block Dimension								Guide Rail Dimension								
	Type				W	L1	B	C	Sxℓ	L2	K	T	Grease Fitting			H1	W1	W2	Counterbored Hole d1xdzℓxh	F	G
	1 block	2 blocks											Mounting Hole	E	T1						
Standard Block	SERZ	SE2RZ	30	220~1960	44	91.8	32	50	M5x6	72	25	12	M6xP0.75	11	5	18	20	12	6x9.5x8.5	60	20
	SERLZ	SE2RLZ	36	220~1960	48	107	35	50	M6x6	86	29	12	M6xP0.75	11	6	22	23	12.5	7x11x9	60	20
	(Block) SERB	(Rail) SHZL SHZLF	42	280~1960	60	124.6	40	60	M8x8	98	33	14	M6xP0.75	11	7	26	28	16	9x14x12	80	20
Wide Block	SEWZ	SE2WZ	30	220~1960	63	91.8	53	40	6(M6)	72	25	10	M6xP0.75	11	5	18	20	21.5	6x9.5x8.5	60	20
	SEWLZ	SE2WLZ	36	220~1960	70	107	57	45	7(M8)	86	29	11	M6xP0.75	11	6	22	23.5	7x11x9	60	20	
	SEWTZ	SE2WTZ	42	280~1960	90	124.6	72	52	9(M10)	98	33	11	M6xP0.75	11	7	26	28	31	9x14x12	80	20

Sxℓ Dimensions: Dimensions in () are for Wide Block Tapped Hole.

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment			Mass		
	C (Dynamic)	Co (Static)	MA	Mb	Mc	Block kg		Guide Rail kg/m
	kN	kN	N·m	N·m	N·m	Standard	Wide	
30	21.6	44.5	360	305	298	0.48	0.65	2.6
36	32	62.5	615	515	490	0.69	0.93	3.6
42	46	91.5	1060	885	870	1.16	1.60	5.2



Preload and Accuracy Standards Interchangeable, Light Preload Type

Radial Clearance (µm)	
H30, 36	-5~0
H42	-7~0

Dimensional Accuracy (µm)		Interchangeable
Height H Tolerance		±20
Pair Variation of Height H		15
Width W2 Tolerance		±30
Pair Variation of Width W2		25
Running Parallelism of Plane C against Plane A		See P525
Running Parallelism of Plane D against Plane B		

= For customers using industry standard products =
SERZ Frame-surrounded products are compliant with the industry standard specifications (Standard Block Type).
 Select the block from this spec.

H	Selectable L	Unit Price									
		1 block			2 blocks			Rail	Block		
		SERZ	SEWZ	SEWTZ	SE2RZ	SE2WZ	SE2WTZ	SHZL	SERB	SEWB	SEWTB
220											
280											
340											
400											
460											
520											
580											
640											
700											
760											
820											
880											
940											
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1600											
1660											
1720											
1780											
1840											
1900											
1960											

L Dimension Configurable Type (1mm Increment)

H	Unit Price						
	1 block		2 blocks			Rails	
	SERLZ	SEWLZ	SEWTLZ	SE2RLZ	SE2WLZ	SE2WTLZ	SHZLF
30							
36							
42							

For calculation of L Dimension Configurable Type (1mm 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 **SERZ30** - L **1840**

Alterations: Part Number **SERZ30** - L **1840** - (RLC, LLC...etc.) **RLC**

Alterations	Code	Spec.
Rail End Cut LLC	LLC	Cuts rail ends. Left End Cut Right End Cut Rail is cut with the product ID facing out (datum on other side).
3-Block Specifications	B3	Add 2 blocks to 1-Block product to ship as 3-Block separate item. Selection Example: SERZ30-400-B3
4-Block Specifications	B4	Add 3 blocks to 1-Block product to ship as 4-Block separate item. Selection Example: SERZ30-400-B4

Additional Block Price

H	B3:1Code			B4:1Code		
	Standard	Wide Through Holes	Wide Tapped Holes	Standard	Wide Through Holes	Wide Tapped Holes
30						
36						
42						

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

	H	B3 (3-Block)	B4 (4-Block)
1 block	30	400	460
2 blocks	36	460	520
3 blocks	42	460	600
4 blocks			

Options for Linear Guide

Linear Guide Clamps	Rail Height Adjusting Blocks
Block Derailment Prevention Parts / Dust Resistant Parts	Block / Rail Fixing Parts
Stopper Bolts 	Rail Push Plates
Block Stopper Plates 	Linear Locks
Rail Mounting Hole Caps 	Linear Guide Lock Units