

Miniature Linear Guides -Wide Rails-

-Long Blocks · Interchangeable, Slight Clearance-

Linear Guide Related Products			
Position-keeping Parts	Rails Height Adjusting Blocks	Blocks Fall-off Prevention Parts Dust Resistant Parts	Blocks / Rails Fixing Parts
P.581 - P.588			

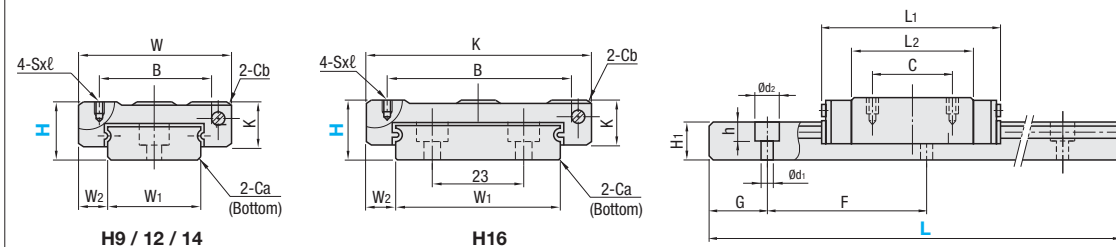
CAD Data

Features: Wide Rail Long Block Type of industry standard specifications. Higher load ratings and allowable moments than standard blocks.

Material Hardness	Type		L Dimension	Blocks Quantity
	Sets	Blocks		
JIS STKM (Alloy Steel including JIS SCM) 58HRC~	SELBWZ	SWZLB	Selectable	1
	SEL2BWZ		2	
	SELBWLZ		Specified	1
	SEL2BWLZ		2	
Stainless Steel (1.4125/X105CrMo17 Material) 56HRC~	SSELBWZ	SSWZLB	Selectable	1
	SSEL2BWZ		2	
	SSELBWLZ		Specified	1
	SSEL2BWLZ		2	

Heat Resistant Temperature: -20~80°C

Blocks and rails can be used interchangeably with Interchangeable-Slight Clearance Type.



Precautions for Use

- Blocks are equipped with retainers (wire) to prevent balls from falling out. Refer to P.501
- Straight grooves are provided on datum planes. Be sure to match the datum lines when using.
- Rails cannot be connected to be extended.
- Running parallelism is the value measured after the rail is mounted.

Others

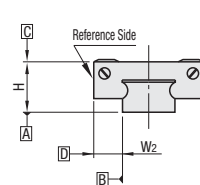
- For G dimensions of L Dimension Configurable Type, refer to P.507
- Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.) is filled.

Part Number	Type	Block Dimensions							Guide Rail Dimensions								
		H	W ±0.05	L1	B	C	Sxℓ	L2	K	Cb	W1 ±0.005	W2	H1	Ca	Counterbored Holes d1xd2xh	F	G
JIS STKM (1 Block)	SELBWZ SEL2BWZ SELBWLZ SEL2BWLZ	9	25	43.5	19	19	M3x3	32.5	7	0.3	14	5.5	5.2	0.5	3.5x6x3.2	30	10
Stainless Steel (1 Block)			SSELBWZ SSEL2BWZ SSELBWLZ SSEL2BWLZ	30	51.6	23	24	M3x3	40.6	9	0.3	18	6	7.5	0.5	3.5x6x4.5	30
Blocks SWZLB	SSWZLB	14	40	61.6	28	28	M3x3.5	47.4	11	0.5	24	8	8	0.5	4.5x8x4.5	40	15
Stainless Steel (2 Blocks)			SSELBWZ SSEL2BWZ SSELBWLZ SSEL2BWLZ	60	74.9	45	35	M4x4.5	59.9	13	0.5	42	9	9.5	0.5	4.5x8x4.5	40

kgf=Nx0.101972

H	Basic Load Rating		Allowable Static Moment			Mass	
	C (Dynamic) kN	Co (Static) kN	MA N·m	Mb N·m	Mc N·m	Blocks kg	Guide Rails kg/m
9	1.7	4.0	12.1	12.1	28.8	0.035	0.50
12	2.6	5.3	20.2	20.2	49.5	0.06	0.96
14	3.9	8.5	38.6	38.6	104.6	0.12	1.40
16	7.2	14.3	86.0	86.0	305.2	0.23	2.95

Preload and Accuracy Standards



Radial Clearance (µm)	
Interchangeable-Slight Clearance	0~15
Dimension Precision (µm)	
Height H Tolerance	±20
Height H Pair Variation	40
Width W2 Tolerance	±25
Width W2 Pair Variation	40
Running Parallelism of surf. C against surf. A	Refer to P.501
Running Parallelism of surf. D against surf. B	

Standard Class (Interchangeable-Slight Clearance) meets the above values even after the block is replaced.



Order Example
Part Number - **L**
SELBWZ12 - **200** (L Type Greased)
SELBWZ12L - **200** (L Type Greased)
SELBWZ12G - **200** (G Type Greased)
 Alternative grease types available.
 For Days to Ship, Price and Performance, refer to P.507



Days to Ship
8 Days
 Express A 8,00 EUR / piece P.88
 Express Charge of 21,60 EUR for 3 or more identical pieces.



Price
Volume Discount (Round down to one Cent.) P.87

Quantity	1-6	7 or 8	9 or 10	11-15
Discount Rate	€ Unit Price	5%	10%	18%

H	Selectable L	€ Unit Price						
		Sets		Blocks		SWZLB	SSWZLB	
		1 Block	2 Blocks	1 Block	2 Blocks			
9	80							
	110							
	140							
	170							
	200							
	230							
	260							
	290							
	12	80						
		110						
140								
170								
200								
230								
260								
290								
14		110						
		150						
	190							
	230							
	270							
	310							
	350							
	390							
	430							
	470							
16	110							
	150							
	190							
	230							
	270							
	310							
	350							
	390							
	430							
	470							
510								
550								
590								
630								
670								



Alterations
Part Number - **L** - (MC · RLC · LLC)
SEL2BWLZ16 - **450** - **MC**
 MC only 10 Days

Alterations	Code	Spec.	Price Adder
Female Thread Holes	MC	Changes the rail mounting hole from counterbored holes to tapped holes. H MC 9 M4 12 M4 14 M5 16 M5 Express Services not available.	Free of charge
Rail Ends Cut	LLC	Cuts rail ends. Ordering Code LLC H L Cut N 9 5 5 12 5 5 14 5 10 16 5 10	5,00
Rail is cut with the product ID facing out (datum on other side).	RLC	Applicable to Selectable Type only. Overall length will be shorter by cutting.	5,00

For rail unit price, see P.534