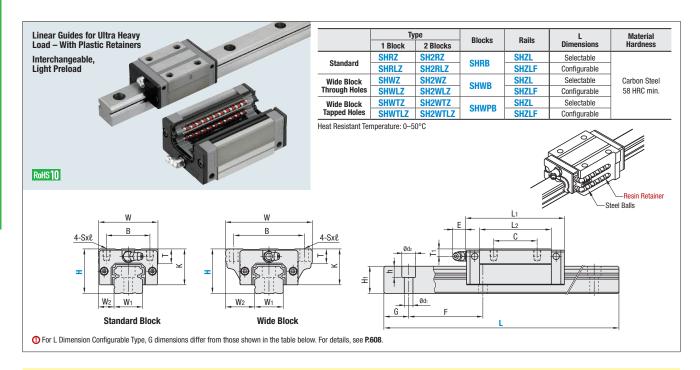
# **Linear Guides for Ultra Heavy Load**

With Plastic Retainers / Interchangeable - Light Preload



#### **Precautions for Use**

- ① Blocks are equipped with retainers (wire) to prevent balls from derailing. For blocks **P.602**.
- ① For Interchangeable, Light Preload Type, rails and blocks can be interchanged.
- OStraight grooves are provided on datum planes. Be sure to match the datum lines when using.
- Rails cannot be connected end to end
- Quanting parallelism is the value measured after the rail is mounted (it is not the value measured before the rails are fastened with screws).

#### 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 P.604.

	Part Number Block Dimensions							Guide Rail Dimensions													
	Туре		н	L	W L <sub>1</sub>		В	С	Sxl	L,	кт	т	Grease Fittings		Н,	W,	W <sub>2</sub>	Counterbored Holes	F	G	
	1 Block	2 Blocks				_'				_2		-	Mounting Holes	E	T <sub>1</sub>	,			d <sub>1</sub> x d <sub>2</sub> x h	_	
lock	SHRZ SHRLZ	SH2RZ SH2RLZ	30	220–1960	44	69.8	32	36	M5 x 6	50	25	12	M6 x P0.75	11	5	18	20	12	6 x 9.5 x 8.5	60	20
Standard Block	SHRB	Rails 36 SHZL	220 1300	48	79	35	35	M6 x 6	58	29	12	M6 x P0.75	11	6	22	23	12.5	7 x 11 x 9	60	20	
		SHZLF	42	280-1960	60	85.6	40	40	M8 x 8	59	33	14	M6 x P0.75	11	7	26	28	16	9 x 14 x 12	80	20
Wide Block	SHWZ SHWLZ	SHWLZ SH2WLZ 30 SHWTZ SH2WTZ SHWTLZ 36	220–1960	63	69.8	53	40	6 (M6)	50	25	10	M6 x P0.75	11	5	18	20	21.5	6 x 9.5 x 8.5	60	20	
	SHWTLZ		36	220-1900	70	79	57	45	7 (M8)	58	29	11	M6 x P0.75	11	6	22	23	23.5	7 x 11 x 9	60	20
	SHWB SHWPB	Rails SHZL SHZLF	42	280-1960	90	98.6	72	52	9 (M10)	72	33	11	M6 x P0.75	11	7	26	28	31	9 x 14 x 12	80	20

① S x & Dimensions: Dimensions in ( ) are for Wide Block Type Tapped Hole.

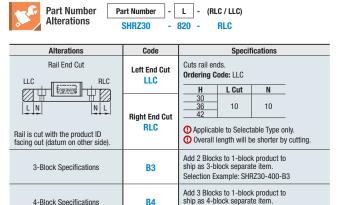




# **Linear Guides for Ultra Heavy Load**

With Plastic Retainers / Interchangeable - Light Preload, continued

Selection Example: SHRZ30-400-B4



### **Position of Grease Fitting**

(Reference plane on the front side)

2 Blocks	1 Block	
3 Blocks	2 Blocks	
4 Plooles		

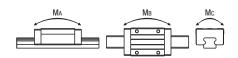
### **Selectable Shortest Rail Length**

Н	B3 (3-Block)	B4 (4-Block)
30	340	400
36	400	460
42	400	520

kgf=Nx0.101972

	Basic Lo	ad Rating		Allowable Static Moment		Mass			
Н	C (Dynamic)	Co (Static)	Ma	Мв	Mc	Bloc	Guide Rails		
	kN	`kN ´	N·m	N·m	N·m	Standard	Wide	kg/m	
30	16.3	29.6	167	141	199	0.33	0.45	2.6	
36	22.4	37.5	246	207	295	0.46	0.63	3.6	
42	31.0 (35.5)	51.5 (63.0)	356 (540)	305 (450)	490 (600)	0.69 (1.2)	1.20	5.2	

① Values in ( ) are for Wide Block (Through Holes and Tapped Holes) Type.



### **Options for Linear Guide**

Linear Guide Clamps	Rail Height Adjusting Blocks
P.680-681	P.682-684
Block Derailment Prevention Parts / Cover Caps	Block / Rail Fixing Parts
Stopper Bolts P.685	Rail Push Plates
Block Stopper Plates	Linear Locks F.063
P.685	P.686
Rail Mounting Hole Caps	Linear Guide Lock Units
P.685	P.687

### **Preload & Accuracy Standards**

Interchangeable, Light Preload Type

H42	-7–0			
Dimension Accuracy (µm)	Interchangeable			
Height H Tolerance	±20			
Pair Variation of Height H	15			
Width W <sub>2</sub> Tolerance	±30			
Pair Variation of Width W <sub>2</sub>	25			
Running Parallelism of Plane C against Plane A	Refer to			
Running Parallelism of Plane D against Plane B	P.602			

Radial Clearance (µm)

