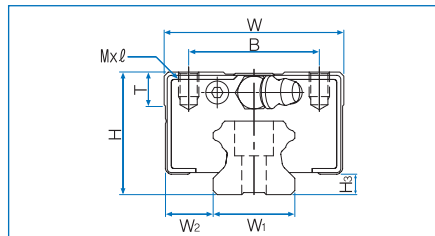
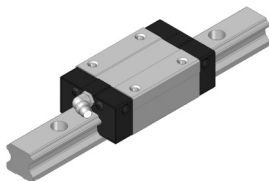
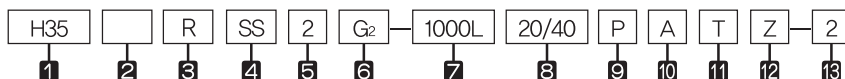


H-R Series, H-RL Series



Model No.	External dimensions			Dimensions of LM block								Grease nipple	H ₃
	Height H	Width W	Length L	B	C	M x l	L ₁	T	N	E			
H 15R	28	34	57	26	26	M4 x 5	40,8	6	10	6	A-M4	4,7	
H 15RL	28	34	65,3	26	26	M4 x 5	49,1	6	10	6	A-M4	4,7	
H 20R	30	44	72,7	32	36	M5 x 6	53,1	8	7,5	12	B-M6F	6	
H 20RL	30	44	88,6	32	50	M5 x 6	69	8	7,5	12	B-M6F	6	
H 25R	40	48	83	35	35	M6 x 8	58,3	8	13	12	B-M6F	7	
H 25RL	40	48	102,9	35	50	M6 x 8	78,2	8	13	12	B-M6F	7	
H 30R	45	60	97,8	40	40	M8 x 10	70,8	8	10,3	12	B-M6F	7,5	
H 30RL	45	60	120	40	60	M8 x 10	93	8	10,3	12	B-M6F	7,5	
H 35R	55	70	110	50	50	M8 x 12	80,8	10	15	12	B-M6F	9	
H 35RL	55	70	135,4	50	72	M8 x 12	106,2	10	15	12	B-M6F	9	
H 45R	70	86	139	60	60	M10 x 17	101,9	15	20	16	B-PT1/8	10	
H 45RL	70	86	170,8	60	80	M10 x 17	133,7	15	20	16	B-PT1/8	10	
H 55R	80	100	163	75	75	M12 x 18	117,5	18	21	16	B-PT1/8	13	
H 55RL	80	100	201,1	75	95	M12 x 18	155,6	18	21	16	B-PT1/8	13	

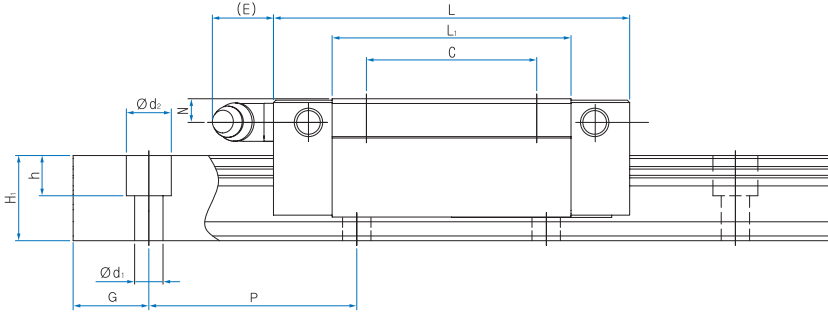
Composition of Model No.



- 1 Model No. of Linear Motion Guide
- 2 Type of block : **No symbol**–Full-ball type / **S**–Spacer retainer type
- 3 Form of block : **R**–Rectangular standard type / **RL**–Rectangular long type / **F**–Flange standard type / **FL**–Flange long type
- 4 Type of seal : **UU**–End seal / **SS**–End seal + Inside seal / **ZZ**–End seal + Inside seal + metal scraper (*1)
- 5 Number of blocks combined in 1 rail
- 6 Symbol of clearance : **No symbol**–Normal preload / **G₁**–Light preload / **G₂**–Heavy preload / **G_s**–Special preload (*2)
- 7 Length of rail
- 8 Size of G value : standard G value has no symbol.
- 9 Symbol of precision : **No symbol**–Moderate precision / **H**–High precision / **P**–Precision / **SP**–Super Precision / **UP**–Ultra Precision (*3)
- 10 **No symbol**–Rail counter bore type (A topside assembly) / **A**– Rail tap hole type (an underside assembly)
- 11 Connection symbol
- 12 Special symbol
- 13 Number of axis used on the same surface

(*1) See P85 Symbol List of Optional Parts (*2) See P17 Radial Clearance

(*3) See P24 Selection of Precision Class



Unit : mm

Dimensions of LM Rail						Basic load rating		Static allowance moment kN·m					Mass	
Width W_1 ± 0.05	W_2	Heigh H_1	Value G	Pitch P	$d_1 \times d_2 \times h$	C kN	Co kN	Mp		My		Mr	LM Block kg	LM Rail kg/m
								1	2(contact)	1	2(contact)	1		
15	9.5	13	20	60	4.5x7.5x5.3	9.9	16.2	0.115	0.552	0.115	0.552	0.129	0.18	1.3
15	9.5	13	20	60	4.5x7.5x5.3	11.2	19.3	0.165	0.769	0.165	0.769	0.154	0.23	1.3
20	12	16.5	20	60	6x9.5x8.5	14.9	23.9	0.221	1.049	0.221	1.049	0.251	0.31	2.2
20	12	16.5	20	60	6x9.5x8.5	17.8	30.7	0.370	1.692	0.370	1.692	0.322	0.41	2.2
23	12.5	20	20	60	7x11x9	22.1	33.1	0.337	1.636	0.337	1.636	0.398	0.53	3.0
23	12.5	20	20	60	7x11x9	26.8	43.6	0.596	2.760	0.596	2.760	0.525	0.71	3.0
28	16	26	20	80	9x14x12	38.4	57.1	0.711	3.384	0.711	3.384	0.828	0.9	4.85
28	16	26	20	80	9x14x12	45.9	73.6	1.203	5.506	1.203	5.506	1.067	1.1	4.85
34	18	29	20	80	9x14x12	51.1	74.6	1.062	5.012	1.062	5.012	1.298	1.5	6.58
34	18	29	20	80	9x14x12	61.0	96.2	1.797	8.172	1.797	8.172	1.674	2.01	6.58
45	20.5	38	22.5	105	14x20x17	82.1	116.4	2.860	9.912	2.860	9.912	2.275	2.89	11.03
45	20.5	38	22.5	105	14x20x17	98.2	150.1	4.533	16.161	4.533	16.161	2.935	3.74	11.03
53	23.5	44	30	120	16x23x20	118.1	161.5	4.654	16.016	4.654	16.016	3.779	4.28	15.26
53	23.5	44	30	120	16x23x20	142.0	210.1	7.468	26.493	7.468	26.493	4.916	5.59	15.26

1N=0.102kgf

