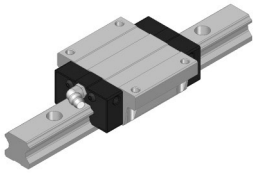
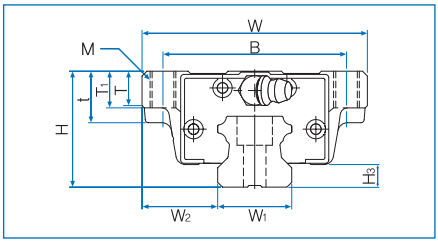
H-SF Series, H-SFL Series





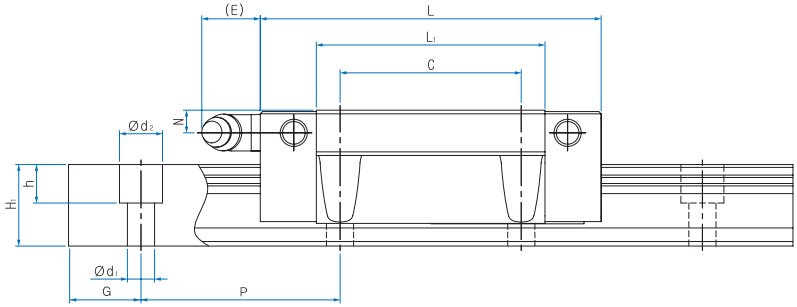
Model No.	External dimensions			Dimensions of block									H3
	Height H	Width W	Length L	B	C	M	L1	t	T	T1	N	E	Grease nipple	
H 15SF	24	47	57	38	30	M5	40.7	-	7	11	6	6	A-M4	4.5
H 15SFL	24	47	65.3	38	30	M5	49.1	-	7	11	6	6	A-M4	4.5
H 20SF	30	63	72.7	53	40	M6	53.1	-	9.2	10	7.5	12	B-M6F	6
H 20SFL	30	63	88.6	53	40	M6	69	-	9.2	10	7.5	12	B-M6F	6
H 25SF	36	70	83	57	45	M8	58.3	-	11.5	16	9	12	B-M6F	7
H 25SFL	36	70	102.9	57	45	M8	78.2	-	11.5	16	9	12	B-M6F	7
H 30SF	42	90	97.8	72	52	M10	70.8	-	9.5	18	7.3	12	B-M6F	7.5
H 30SFL	42	90	120	72	52	M10	93	-	9.5	18	7.3	12	B-M6F	7.5
H 35SF	48	100	110	82	62	M10	80.8	-	12.5	21	8	12	B-M6F	9
H 35SFL	48	100	135.4	82	62	M10	106.2	-	12.5	21	8	12	B-M6F	9
H 45SF	60	120	138.5	100	80	M12	106	25	13	18	10.5	13	B-PT1/8	10
H 45SFL	60	120	170.2	100	80	M12	137.8	25	13	18	10.5	13	B-PT1/8	13
H 55SF	70	140	171	116	95	M14	132.6	29	19	21	11	13	B-PT1/8	13
H 55SFL	70	140	210.6	116	95	M14	172.2	29	19	21	11	13	B-PT1/8	13

Composition of Model No.

H35	S	FL	SS	2	G2	—	1000L	20/40	P	A	T	Z	—	2
1	2	3	4	5	6		7	8	9	10	11	12		13

1. Model No. of Linear Motion Guide
2. Type of block : No symbol–Full-ball type / S–Spacer Chain 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
   UULF-End seal + LF seal / SSLF- End seal + Inside seal + LF seal / ZZLF - End seal + Inside seal + Metal scraper + LF seal (*1)
5. Number of blocks combined in 1 rail
6. Symbol of clearance : No symbol–Normal preload / G1–Light preload / G2–Heavy preload / Gs–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) (*4)
11. Connection symbol
12. Special symbol
13. Number of axis used on the same surface

(*1) See P99 Symbol List of Optional Parts (*2) See P17 Radial Clearance
(*3) See P24 Selection of Precision Class (*4) See P49 Standard tap hole type of a rail



Unit : mm

Dimensions of Rail						Basic load rating		Static allowance morment kN · m						Mass	
Width W1 ±0.05	W2	Heigh H1	Value G	Pitch P	d1 x d2 x h	C kN	Co kN	Mp		My		Mr		Block kg	Rail kg/m
								1	2(Contact)	1	2(Contact)	1			
15	16	13	20	60	4.5X7.5X5.3	12.1	16.2	0.115	0.552	0.115	0.552	0.129		0.19	1.3
15	16	13	20	60	4.5X7.5X5.3	13.7	19.3	0.165	0.769	0.165	0.769	0.154		0.24	1.3
20	21.5	16.5	20	60	6X9.5X8.5	17.6	23.9	0.221	1.049	0.221	1.049	0.251		0.41	2.2
20	21.5	16.5	20	60	6X9.5X8.5	21.1	30.7	0.370	1.692	0.370	1.692	0.322		0.54	2.2
23	23.5	20	20	60	7X11X9	25.8	33.1	0.337	1.636	0.337	1.636	0.398		0.61	3.0
23	23.5	20	20	60	7X11X9	31.7	43.6	0.596	2.760	0.596	2.760	0.525		0.82	3.0
28	31	26	20	80	9x14x12	48	57.1	0.711	3.384	0.711	3.384	0.828		1.1	4.85
28	31	26	20	80	9x14x12	58	73.6	1.203	5.506	1.203	5.506	1.067		1.3	4.85
34	33	29	20	80	9x14x12	63.7	74.6	1.062	5.012	1.062	5.012	1.298		1.6	6.58
34	33	29	20	80	9x14x12	77.1	96.2	1.797	8.172	1.797	8.172	1.674		2.01	6.58
45	37.5	32	22.5	105	14x20x17	82.9	95.5	1.789	8.251	1.789	8.251	1.992		3.15	9.75
45	37.5	32	22.5	105	14x20x17	99.7	122.5	2.984	13.341	2.984	13.341	2.556		4.07	9.75
53	43.5	38	30	120	16x23x20	133.5	149.2	3.495	16.007	3.495	16.007	3.608		5.30	13.75
53	43.5	38	30	120	16x23x20	160.4	191.4	5.826	25.899	5.826	25.899	4.627		6.84	13.75

1N≒0.102kgf