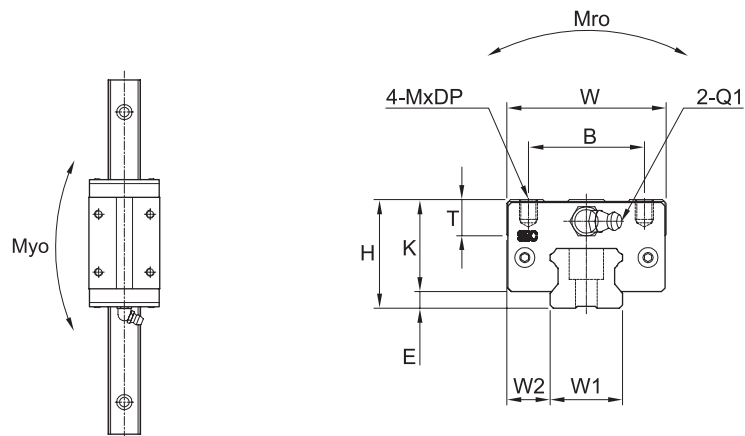


Linear Rail System

SBI High-load Linear Rail System

SBI-HL/HLS/HLL

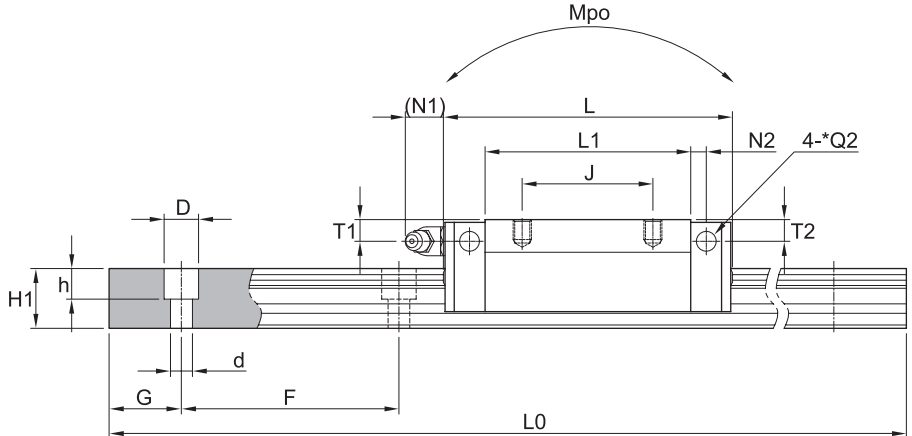


Model	Mounting dimension				Block dimensions												
	H	W	L	E	Mounting tap hole				L1	T 1	K	Grease fitting					
					B	J	M	DP				T1	N1	T2	N2	Q1	*Q2
SBI15 HLS	24	34	56.8	3	26	26	M4	4	38.2	6	21	4,5	5,5	3,8	3,8	M4x0,7	Ø3,5
SBI15 HL	24	34	63.8	3	26	26	M4	4	45.2	6	21	4,5	5,5	3,8	3,8	M4x0,7	Ø3,5
SBI15 HLL	24	34	79.4	3	26	34	M4	4	60.8	6	21	4,5	5,5	3,8	3,8	M4x0,7	Ø3,5
SBI25 HLS	36	48	83	5,5	35	35	M6	6	61	12	30,5	6	12	5	5,5	M6x0,75	Ø3,5
SBI25 HL	36	48	92	5,5	35	35	M6	6	70	12	30,5	6	12	5	5,5	M6x0,75	Ø3,5
SBI25 HLL	36	48	108	5,5	35	50	M6	6	86	12	30,5	6	12	5	5,5	M6x0,75	Ø3,5
SBI30 HLS	42	60	96.8	7	40	40	M8	8	68.8	12	35	8,5	12	7.8	5	M6x0,75	Ø5,7
SBI30 HL	42	60	107.6	7	40	40	M8	8	79.6	12	35	8,5	12	7.8	5	M6x0,75	Ø5,7
SBI30 HLL	42	60	131.6	7	40	60	M8	8	103.6	12	35	8,5	12	7.8	5	M6x0,75	Ø5,7
SBI35 HLS	48	70	108.2	8	50	50	M8	8	78.2	15	40	8	12	8	6	M6x0,75	Ø5,7
SBI35 HL	48	70	124.6	7,5	50	50	M8	8	94.6	15	40,5	8	12	8	6	M6x0,75	Ø5,7
SBI35 HLL	48	70	152.6	7,5	50	72	M8	8	122.6	15	40,5	8	12	8	6	M6x0,75	Ø5,7
SBI45 HL	60	86	142	9	60	60	M10	10	108	17	51	10,5	13,5	9,3	6,5	PT1/8	Ø5,7
SBI45 HLL	60	86	174	9	60	80	M10	10	140	17	51	10,5	13,5	9,3	6,5	PT1/8	Ø5,7
SBI55 HL	70	100	172.4	12	75	75	M12	12	131	21	58	12	13	12	8	PT1/8	Ø8,7
SBI55 HLL	70	100	211.8	12	75	95	M12	12	170.4	21	58	12	13	12	8	PT1/8	Ø8,7

- ① C (Basic dynamic load rating), Co (Basic static load rating)
- ② *Q2: The hole of side grease nipple is not made to prevent a foreign substance from going into inside.
When you order the side grease nipple, we build it by ourselves.

Linear Rail System

SBI High-load Linear Rail System



(Unit : mm)															
Rail dimension									Basic load rating [kN]		Permissible static moment [kN • m]			Mass	
W1	W2	H1	F	Bolt hole			G	Max length of rail						Block [kg]	Rail [kg/m]
				d	D	h			C	Co	Mro	Mpo	Myo		
15	9.5	13	60	4.5	7.5	5.5	20	3000	12.3	18.3	0.13	0.08	0.08	0.15	1.3
15	9.5	13	60	4.5	7.5	5.5	20	3000	14.1	24.1	0.16	0.17	0.17	0.18	1.3
15	9.5	13	60	4.5	7.5	5.5	20	3000	17.1	31.7	0.21	0.29	0.29	0.24	1.3
23	12.5	20	60	7	11	9	20	4000	28.9	42.8	0.49	0.32	0.32	0.47	3
23	12.5	20	60	7	11	9	20	4000	31.5	52.1	0.56	0.56	0.56	0.57	3
23	12.5	20	60	7	11	9	20	4000	36.7	64.4	0.69	0.84	0.84	0.70	3
28	16	23	80	9	14	12	20	4000	39.2	57.7	0.80	0.49	0.49	0.80	4.25
28	16	23	80	9	14	12	20	4000	42.8	65.4	0.85	0.77	0.77	0.95	4.25
28	16	23	80	9	14	12	20	4000	51.3	84.7	1.10	1.30	1.30	1.22	4.25
34	18	26	80	9	14	12	20	4000	52.0	73.3	1.24	0.71	0.71	1.35	6.02
34	18	26	80	9	14	12	20	4000	59.5	89.1	1.42	1.28	1.28	1.87	6.02
34	18	26	80	9	14	12	20	4000	71.3	115.3	1.83	2.12	2.12	2.04	6.02
45	20.5	32	105	14	20	17	22.5	4000	79.2	116.3	2.48	1.90	1.90	2.80	9.77
45	20.5	32	105	14	20	17	22.5	4000	94.8	150.5	3.21	3.14	3.14	3.29	9.77
53	23.5	38	120	16	23	20	30	4000	127.3	181.8	4.81	2.97	2.97	4.42	13.72
53	23.5	38	120	16	23	20	30	4000	147.9	224.5	5.95	4.78	4.78	5.82	13.72