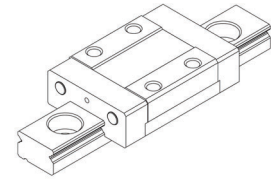
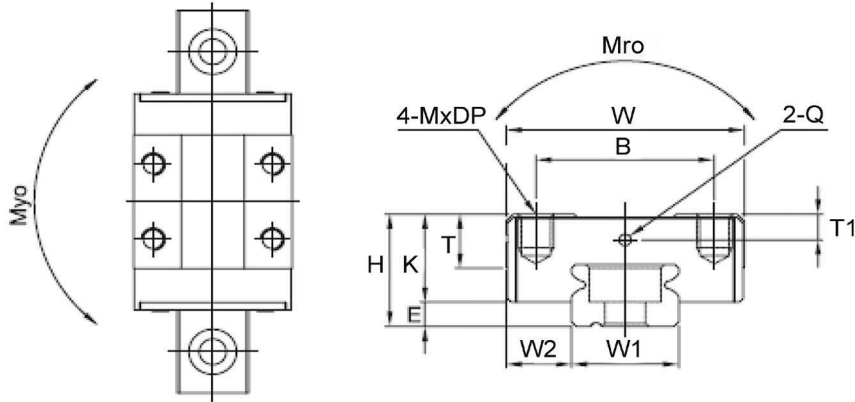
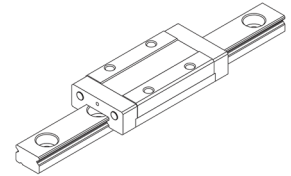


Miniature Linear Rail Series

Block Dimensions: SBM, SBML



SBM
Standard Miniature



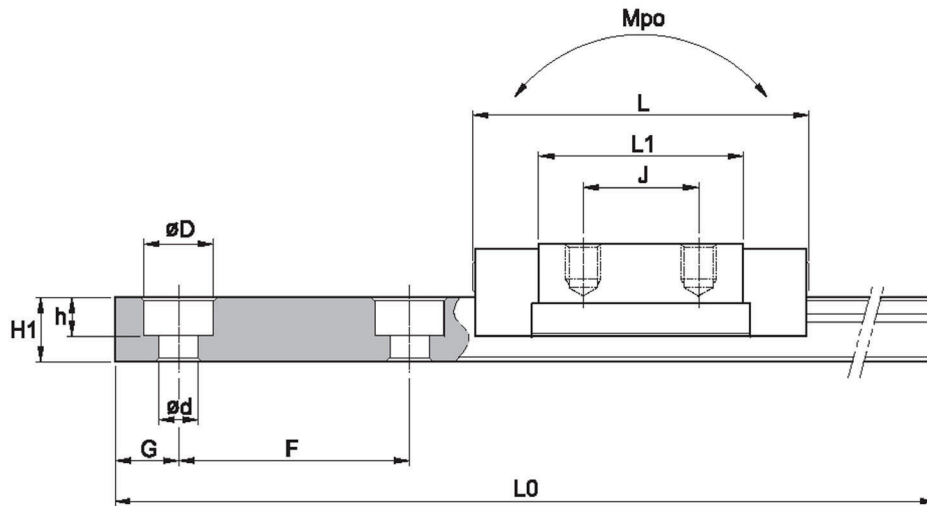
SBML
Block Length is modified to increase load capacity

Model	Mounting dimension				Block dimensions									
	H	W	L	E	Mounting tap hole				L1	T±1	K	Grease fitting		
					B	J	M	DP				T1	Q	
SBM 07	8	17	22.8	1.5	12	8	M2	2.5	13.4	3.3	6.5	1.6	ø1	
SBML 07	8	17	32.4	1.5	12	13	M2	2.5	23	3.3	6.5	1.6	ø1	
SBM 09	10	20	30.1	2	15	10	M3	3	19.3	4.5	7.8	2.3	ø1	
SBML 09	10	20	39.6	2	15	16	M3	3	28.8	4.5	7.8	2.3	ø1	
SBM 12	13	27	34.6	3	20	15	M3	3.5	21	5.5	10	2.8	ø1	
SBML 12	13	27	44.3	3	20	20	M3	3.5	30.7	5.5	10	2.8	ø1	
SBM 15	16	32	43	4	25	20	M3	4	25.4	6.5	12	3.1	ø1	
SBML 15	16	32	58.8	4	25	25	M3	4	41.2	6.5	12	3.1	ø1	

C (Basic dynamic load rating), Co (Basic static load rating)

Miniature Linear Rail Series

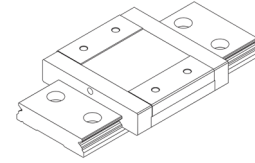
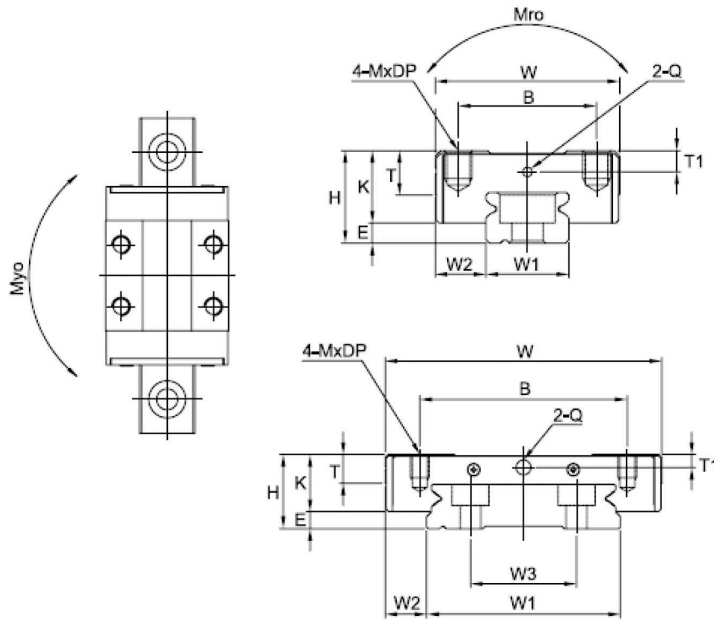
Rail Dimensions: SBM, SBML



Model	Rail dimensions									Basic load rating (kN)		Permissible static moment (kN·m)			Mass	
	W1	W2	H1	F	Bolt hole			G	Max Rail Length L0	C	Co	Mro	Mpo	Myo	Block (kg)	Rail (kg/m)
	d	D	h		d	D	h									
SBM 07	7	5	4.7	15	2.6	4.3	2.3	5	490	0.88	1.37	4.9	2.94	2.94	0.006	0.23
SBML 07	7	5	4.7	15	2.6	4.3	2.3	5	490	1.59	2.5	8.82	7.84	7.84	0.015	0.23
SBM 09	9	6	5.5	20	4	6	3.3	7.5	1195	1.42	2.9	10.39	5.1	5.1	0.013	0.32
SBML 09	9	6	5.5	20	4	6	3.3	7.5	1195	2.59	3.92	18.33	17.54	14.54	0.023	0.32
SBM 12	12	8	7.5	25	4	6	4.5	10	1195	2.46	3.64	14.7	8.04	8.72	0.029	0.59
SBML 12	12	8	7.5	25	4	6	4.5	10	1195	4.21	6.56	26.66	24.01	26.07	0.043	0.59
SBM 15	15	9	9.5	40	4	6	4.5	15	1190	4.02	5.97	37.24	16.46	17.93	0.52	0.99
SBML 15	15	9	9.5	40	4	6	4.5	15	1190	7.15	10.68	53.02	49.3	53.51	0.079	0.99

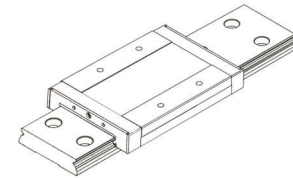
Miniature Linear Rail Series

Block Dimensions: SBMW, SBMWL



SBMW

Width and length of block are modified to increase load ratings and permissible moments.



SBMWL

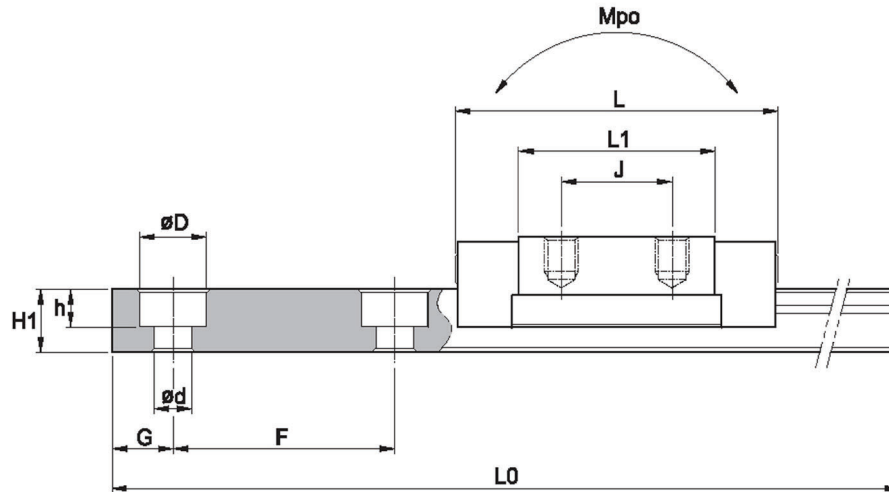
Uses same rail as SBMW type with longest whole length for heaviest load.

Model	Mounting dimension				Block dimensions									
	H	W	L	E	Mounting tap hole				L1	T±1	K	Grease fitting		
					B	J	M	DP				T1	Q	
SBMW 09	12	30	42.3	3.7	21	12	M3	3	27	4.5	8.3	2	ø1	
SBMWL 09	12	30	50.3	3.7	23	24	M3	3	35	4.5	8.3	2	ø1	
SBMW 12	14	40	48.4	4	28	15	M3	3.5	30.9	5.5	10	2.4	ø1	
SBMWL 12	14	40	59.5	4	28	28	M3	3.5	42	5.5	10	2.4	ø1	
SBMW 15	16	60	57.5	3.7	45	20	M4	4.5	38.9	6.5	12.3	2.6	ø2.7	
SBMWL 15	16	60	73.4	3.7	45	20	M4	4.5	54.8	6.5	12.3	2.6	ø2.7	

C (Basic dynamic load rating), Co (Basic static load rating)

Miniature Linear Rail Series

Rail Dimensions: SBMW, SBMWL



Model	Rail dimensions										Basic load rating (kN)		Permissible static moment (kN·m)			Mass	
	W1	W2	H1	W3	F	Bolt hole			G	Max Rail Length $L0$	C	C_o	M_{ro}	M_{po}	M_{yo}	Block (kg)	Rail (kg/m)
						d	D	h									
SBMW 09	18	6	7.5	-	30	4	6	4.5	10	1190	2.45	3.92	36	16.3	16.3	0.03	0.99
SBMWL 09	18	6	7.5	-	30	4	6	4.5	10	1190	3.52	5.37	48.4	30.4	30.4	0.05	0.99
SBMW 12	24	8	8.5	-	40	5	8	4.5	15	1190	4.02	6.08	47.6	17.2	18.6	0.03	1.42
SBMWL 12	24	8	8.5	-	40	5	8	4.5	15	1190	5.96	9.21	89.2	46.4	52.8	0.1	1.42
SBMW 15	42	9	9.5	23	40	5	8	4.5	15	1190	6.66	9.8	137	35.3	38.2	0.12	2.93
SBMWL 15	42	9	9.5	23	40	5	8	4.5	15	1190	9.91	14.9	250	35.4	108	0.21	2.93