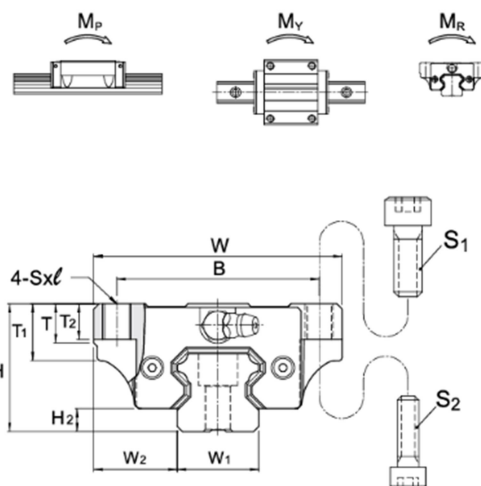
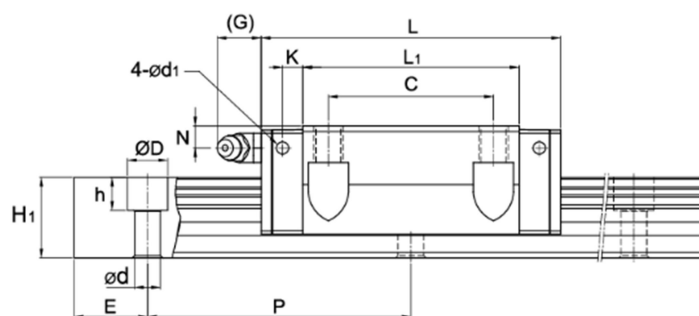




Unit: mm

Model No.	External dimension					Carriage dimension												Grease Nipple
	Height H	Width W	Length L	W ₂	H ₂	B	C	S × ℓ	L ₁	T	T ₁	T ₂	N	G	K	d ₁		
MSA 15 E	24	47	56.3	16	4.2	38	30	M5×7	39.3	7	11	7	4.3	7	3.2	3.3	G-M4	
MSA 20 E	30	63	72.9	21.5	5	53	40	M6×10	51.3	7	10	10	5	12	5.8	3.3	G-M6	
MSA 20 LE			88.8						67.2									
MSA 20 TE			51.1						29.5									
MSA 25 E	36	70	81.6	23.5	6.5	57	45	M8×10	59	11	16	10	6	12	5.8	3.3	G-M6	
MSA 25 LE			100.6						78									
MSA 30 E	42	90	97	31	8	72	52	M10×10	71.4	11	18	10	7	12	6.8	3.3	G-M6	
MSA 30 LE			119.2						93.6									
MSA 35 E	48	100	111.2	33	9.5	82	62	M10×13	81	13	21	13	8	11.5	8.6	3.3	G-M6	
MSA 35 LE			136.6						106.4									
MSA 45 E	60	120	137.7	37.5	10	100	80	M12×15	102.5	13	25	15	10	13.5	10.6	3.3	G-PT 1/8	
MSA 45 LE			169.5						134.3									
MSA 55 E	70	140	162.1	43.5	13	116	95	M14×17	119.5	19	32	17	11	13.5	8.9	3.3	G-PT 1/8	
MSA 55 LE			200.1						157.5									
MSA 65 E	90	170	199	53.5	15	142	110	M16×23	149	21.5	37.5	23	19	13.5	8.9	3.3	G-PT 1/8	
MSA 65 LE			253						203									

Note: The basic dynamic load rating C of ball type is based on the 50 km for nominal life. The conversion between C for 50 km and C₁₀₀ for 100 km is C=1.26 x C₁₀₀.

Note*: Single: Single carriage/ Double: Double carriages closely contacting with each other.

Unit: mm

Model No.	Rail dimension					Basic load rating		Static moment rating				Weight		
	Width W ₁	Height H ₁	Pitch P	E std.	D × h × d	Dynamic C kN	Static C _o kN	M _p kN-m		M _y kN-m		M _R kN-m	Carriage kg	Rail kg/m
								Single*	Double*	Single*	Double*			
MSA 15 E	15	15	60	20	7.5×5.3×4.5	11.8	18.9	0.12	0.68	0.12	0.68	0.14	0.18	1.5
MSA 20 E	20	18	60	20	9.5×8.5×6	19.2	29.5	0.23	1.42	0.23	1.42	0.29	0.4	2.4
MSA 20 LE					9.5×8.5×6	23.3	39.3	0.39	2.23	0.39	2.23	0.38	0.52	
MSA 20 TE					11×9×7	13.1	17.2	0.16	0.54	0.16	0.54	0.16	0.23	
MSA 25 E	23	22	60	20	11×9×7	28.1	42.4	0.39	2.20	0.39	2.20	0.48	0.62	3.4
MSA 25 LE						34.4	56.6	0.67	3.52	0.67	3.52	0.63	0.82	
MSA 30 E	28	26	80	20	14×12×9	39.2	57.8	0.62	3.67	0.62	3.67	0.79	1.09	4.8
MSA 30 LE						47.9	77.0	1.07	5.81	1.07	5.81	1.05	1.43	
MSA 35 E	34	29	80	20	14×12×9	52.0	75.5	0.93	5.47	0.93	5.47	1.25	1.61	6.6
MSA 35 LE						63.6	100.6	1.60	8.67	1.60	8.67	1.67	2.11	
MSA 45 E	45	38	105	22.5	20×17×14	83.8	117.9	1.81	10.67	1.81	10.67	2.57	2.98	11.5
MSA 45 LE						102.4	157.3	3.13	16.95	3.13	16.95	3.43	3.9	
MSA 55 E	53	44	120	30	23×20×16	123.6	169.8	3.13	17.57	3.13	17.57	4.50	4.17	15.5
MSA 55 LE						151.1	226.4	5.40	28.11	5.40	28.11	6.00	5.49	
MSA 65 E	63	53	150	35	26×22×18	198.8	265.3	6.11	33.71	6.11	33.71	8.36	8.73	21.9
MSA 65 LE						253.5	375.9	11.84	57.32	11.84	57.32	11.84	11.89	