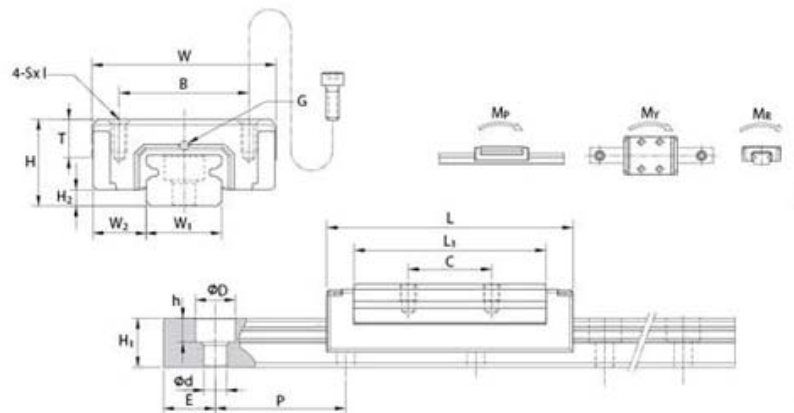


MSC M/LM



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 $C=1.26 \times C_{100}$.

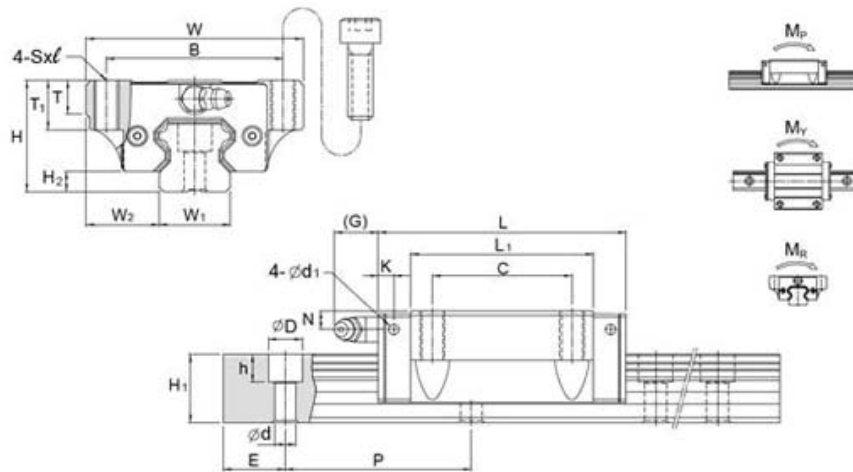
Note*: Single: Single carriage/ Double: Double carriages closely contacting with each other.

Unit:mm

Model No.	External dimension							Carriage dimension			
	Height H	Width W	Length L	W ₂	H ₂	B	C	SxI	L ₁	T	G
MSC 7M MSC 7LM	8	17	23.6 33.1	5	1.5	12	8 13	M2 × 2.5	18.4 27.9	3.5	Ø 0.8
MSC 9M MSC 9LM	10	20	31.1 41.3	5.5	2.2	15	10 16	M3 × 3	25.8 36	4.5	Ø 1
MSC 12M MSC 12LM	13	27	34.6 47.6	7.5	3	20	15 20	M3 × 3.6	28 41	6	Ø 1.5
MSC 15M MSC 15LM	16	32	43.5 60.5	8.5	4	25	20 25	M3 × 4.2	36.1 53.1	7	G-M3

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 kN	C	StaticCo kN	M _p N-m		M _y N-m		M _R N-m	Carriage g	Rail kg/m
									Single*	Double*	Single*	Double*			
MSC 7M MSC 7LM	7 0 -0.05	4.7	15	5	4.2×2.3×2.4	0.94 1.36		1.28 2.24	2.6 7.4	15.33 37.92	2.6 7.4	15.33 37.92	4.7 8.3	13 18	0.22
MSC 9M MSC 9LM	9 0 -0.05	5.5	20	7.5	6×3.3×3.5	1.71 2.52		2.24 3.92	6.1 17.4	33.46 84.63	6.1 17.4	33.46 84.63	10.8 18.8	29 39	0.33
MSC 12M MSC 12LM	12 0 -0.05	7.5	25	10	6×4.5×3.5	2.62 3.77		3.52 5.72	11.4 28.3	63.96 141.52	11.4 28.3	63.96 141.52	22.2 36.0	40 60	0.63
MSC 15M MSC 15LM	15 0 -0.05	9.5	40	15	6×4.5×3.5	4.52 6.47		5.70 9.26	24.7 61.0	132.17 295.87	24.7 61.0	132.17 295.87	44.4 72.2	71 100	1.02

MSA A/LA



Note: Request for size 55 and 65 MSA-A / MSA-LA carriage, please refer to MSA-E / MSA-LE carriage type.

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.	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	N	G	K	d ₁		
MSA 15A	24	47	56.3	16	4.2	38	30	M5 × 11	39.3	7	11	4.3	7	5.7	3.3	G-M4	
MSA 20A MSA 20LA	30	63	72.9 88.8	21.5	5	53	40	M6 × 10	51.3 67.2	7	10	5	12	5.8	3.3	G-M6	
MSA 25A MSA 25LA	36	70	81.6 100.6	23.5	6.5	57	45	M8 × 16	59 78	11	16	6	12	5.8	3.3	G-M6	
MSA 30A MSA 30LA	42	90	97 119.2	31	8	72	52	M10 × 18	71.4 93.6	11	18	7	12	6.8	3.3	G-M6	
MSA 35A MSA 35LA	48	100	111.2 136.6	33	9.5	82	62	M10 × 21	81 106.4	13	21	8	11.5	8.6	3.3	G-M6	
MSA 45A MSA 45LA	60	120	137.7 169.5	37.5	10	100	80	M12 × 25	102.5 134.3	13	25	10	13.5	10.6	3.3	G-PT1/8	

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	StaticCo kN	M _p kN-m		M _y kN-m		M _R kN-m	Carriage kg	Rail kg/m
								Single*	Double*	Single*	Double*			
MSA 15A	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 20A MSA 20LA	20	18	60	20	9.5 × 8.5 × 6	19.2 23.3	29.5 39.3	0.23 0.39	1.42 2.23	0.23 0.39	1.42 2.23	0.29 0.38	0.4 0.52	2.4
MSA 25A MSA 25LA	23	22	60	20	11 × 9 × 7	28.1 34.4	42.4 56.6	0.39 0.67	2.20 3.52	0.39 0.67	2.20 3.52	0.48 0.63	0.62 0.82	3.4
MSA 30A MSA 30LA	28	26	80	20	14 × 12 × 9	39.2 47.9	57.8 77.0	0.62 1.07	3.67 5.81	0.62 1.07	3.67 5.81	0.79 1.05	1.09 1.43	4.8
MSA 35A	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

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MSA 35LA						63.6	100.6	1.60	8.67	1.60	8.67	1.67	2.11	
MSA 45A	45	38	105	22.5	20 × 17 × 14	83.8	117.9	1.81	10.67	1.81	10.67	2.57	2.98	
MSA 45LA						102.4	157.3	3.13	16.95	3.13	16.95	3.43	3.9	11.5