



Model No	Bolt Size	
	S <sub>1</sub>	S <sub>2</sub>
MSA 15	M5	M4
MSA 20	M6	M5
MSA 25	M8	M6
MSA 30	M10	M8
MSA 35	M10	M8
MSA 45	M12	M10
MSA 55	M14	M12
MSA 65	M16	M14

## Dimensions of MSA-E / MSA-LE

Unit: mm

Model No	External Dimensions						Carriage Dimensions										
	Width W	Height H	Length L	W <sub>2</sub>	H <sub>2</sub>	B	C	SxL	L <sub>1</sub>	T	T <sub>1</sub>	T <sub>2</sub>	N	G	K	d <sub>1</sub>	Grease Nipple
MSA 15 E	47	24	56.3	16	4.2	38	30	M5x7	39.3	7	11	7	4.3	7	3.2	3.3	G-M4
MSA 20 E	63	30	72.9	21.5	5	53	40	M6x10	51.3	7	10	10	5	12	5.8	3.3	G-M6
MSA 20 LE			88.8						67.2								
MSA 25 E	70	36	81.6	23.5	6.5	57	45	M8x10	59	11	16	10	6	12	5.8	3.3	G-M6
MSA 25 LE			100.6						78								
MSA 30 E	90	42	97	31	8	72	52	M10x10	71.4	11	18	10	7	12	6.5	3.3	G-M6
MSA 30 LE			119.2						93.6								
MSA 35 E	100	48	111.2	33	9.5	82	62	M10x13	81	13	21	13	8	11.5	8.6	3.3	G-M6
MSA 35 LE			136.6						106.4								
MSA 45 E	120	60	137.7	37.5	10	100	80	M12x15	102.5	13	25	15	10	13.5	10.6	3.3	G-PT1/8
MSA 45 LE			169.5						134.3								
MSA 55 E	140	70	161.5	43.5	13	116	95	M14x17	119.5	19	32	17	11	13.5	8.6	3.3	G-PT1/8
MSA 55 LE			199.5						157.5								
MSA 65 E	170	90	199	53.5	15	142	110	M16x23	149	21.5	37	23	19	13.5	8.6	3.3	G-PT1/8
MSA 65 LE			253						203								

Model No	Rail Dimensions					Basic Load Rating		Static Movement Rating			Weight	
	Width W <sub>1</sub>	Height H <sub>1</sub>	Pitch P	E std.	D x h x d	Dynamic C kN	Static C <sub>0</sub> kN	M <sub>P</sub> kN-m	M <sub>Y</sub> kN-m	M <sub>R</sub> kN-m	Carriage kg	Rail kg/m
MSA 15 E	15	15	60	20	7.5x5.3x4.5	11.8	18.9	0.12	0.12	0.14	0.18	1.5
MSA 20 E	20	18	60	20	9.5x8.5x6	19.2	29.5	0.23	0.23	0.29	0.4	2.4
MSA 20 LE						23.3	39.3	0.39	0.39	0.38	0.52	
MSA 25 E	23	22	60	20	11x9x7	28.1	42.4	0.39	0.39	0.48	0.62	3.4
MSA 25 LE						34.4	56.6	0.67	0.67	0.63	0.82	
MSA 30 E	28	26	80	20	14x12x9	39.2	57.8	0.62	0.62	0.79	1.09	4.8
MSA 30 LE						47.9	77.0	1.07	1.07	1.05	1.43	
MSA 35 E	34	29	80	20	14x12x9	52.0	75.5	0.93	0.93	1.25	1.61	6.6
MSA 35 LE						63.6	100.6	1.60	1.60	1.67	2.11	
MSA 45 E	45	38	105	22.5	20x17x14	83.8	117.9	1.81	1.81	2.57	2.98	11.5
MSA 45 LE						102.4	157.3	3.13	3.13	3.43	3.9	
MSA 55 E	53	44	120	30	23x20x16	123.6	169.8	3.13	3.13	4.50	4.17	15.5
MSA 55 LE						151.1	226.4	5.40	5.40	6.00	5.49	
MSA 65 E	63	53	150	35	26x22x18	198.8	265.3	6.11	6.11	8.36	8.73	21.9
MSA 65 LE						253.5	375.9	11.84	11.84	11.84	11.89	