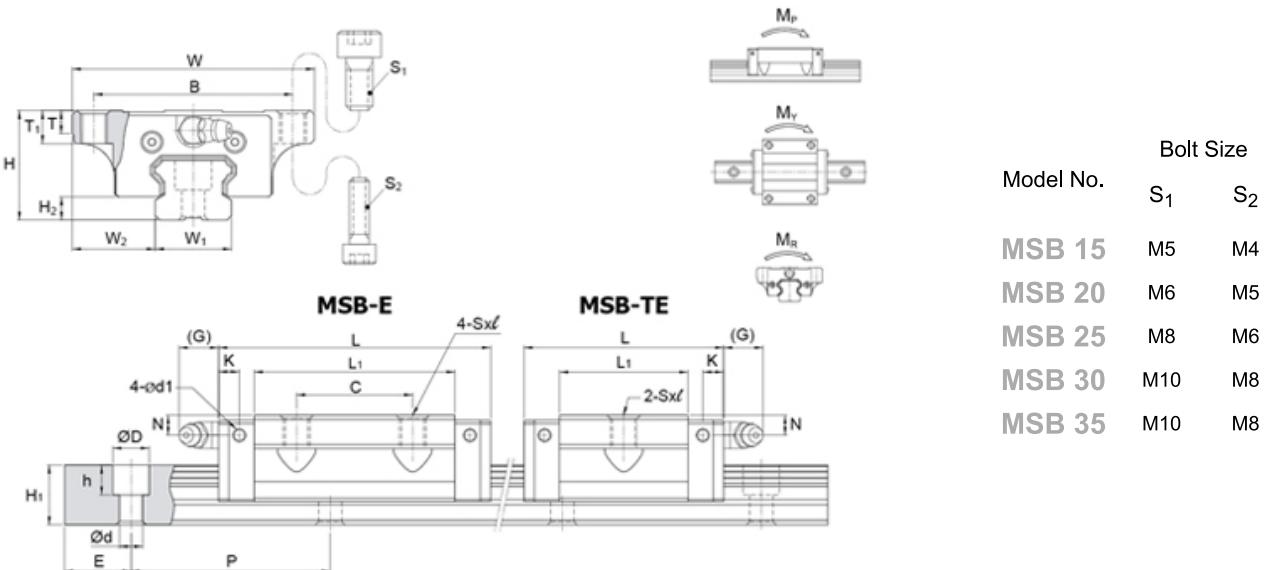


MSB TE/E



Note: Rail mounting holes for M3 (6x4.5x3.5) and M4 (7.5x5.3x4.5) are available for MSB15 rail. The codes of rail type are MSB15R for M3 mounting holes, and MSB15U for M4 mounting holes.

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 C_{100} for 100 km is $C=1.26 \times C_{100}$.

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

Technical Data Sheet for MSB Series Heavy Duty Casters																	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		
MSB 15TE	24	52	40 57	18.5	4.5	41	- 26	M5 x 7	23.5 40.5	5	7	5.5	5.5	5.1	3.3	G-M4	
MSB 15E																	
MSB 20TE	28	59	48 67	19.5	6	49	- 32	M6 x 9	29 48	5	9	5.5	12	5.9	3.3	G-M6	
MSB 20E																	
MSB 25TE	33	73	60.2 82	25	7	60	- 35	M8 x 10	38.7 60.5	7	10	6	12	6.3	3.3	G-M6	
MSB 25E																	
MSB 30TE	42	90	68 96.7	31	9.5	72	- 40	M10 x 10	43.3 72	7	10	8	12	6.3	3.3	G-M6	
MSB 30E																	
MSB 35TE	48	100	78	33	9.5	82	- 50	M10 x 13	46 80	9	13	8.5	12	9.8	3.3	G-M6	
MSB 35E																	
MSB 35LE			112 137.5				72		105.5								
Rail dimension								Basic load rating				Static moment rating				Weight	
Model No.	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*						
MSB 15TE	15	12.5	60	20	6 x 4.5 x 3.5 (7.5 x 5.3 x 4.5)	6.7	9.6	0.04	0.26	0.04	0.26	0.07	0.12	0.21	1.2		
MSB 15E																	
MSB 20TE	20	15	60	20	9.5 x 8.5 x 6	9.7	14.2	0.07	0.44	0.07	0.44	0.14	0.20	0.34	2		
MSB 20E																	
MSB 25TE	23	18	60	20	11 x 9 x 7	15.6	22.1	0.13	0.91	0.13	0.91	0.26	0.39	0.60	3		
MSB 25E																	
MSB 30TE	28	23	80	20	11 x 9 x 7	23.1	31.8	0.23	1.39	0.23	1.39	0.45	0.65	1.08	4.4		
MSB 30E																	
MSB 35TE	34	27.5	80	20	14 x 12 x 9	35.7	44.0	0.34	2.81	0.34	2.81	0.75	0.91	1.61	6.2		
MSB 35E																	
MSB 35LE								52.0	75.5	0.93	5.47	0.93	5.47	1.28	1.61		
								63.6	100.6	1.60	8.67	1.60	8.67	1.67	1.80	6.6	