

# Miniature Linear Guide LT Series

## Structure and Features of LT series

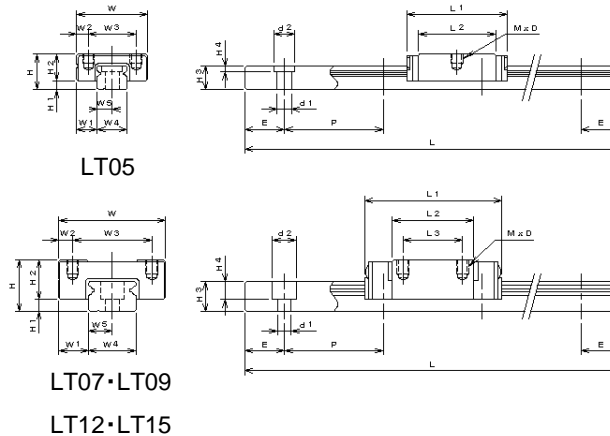
1. Compact design is achieved by applying Gothic-Arch ball raceway groove.
2. Since the contact angle of each ball row is 45°, LT series can receive the load in all four directions equally.
3. High corrosion resistance is achieved since slide unit, rail and balls are made of stainless steel.
4. Balls are retained by ball retainer equipped slide unit. It makes handling and installation of LT series easier.

### Part Number Coding

**LT 12 - 200 - S2 R2 - P T1**

① ② ③ ④ ⑤ ⑥ ⑦

- ① Model number
- ② Size of slide unit
- ③ Rail length
- ④ Number of slide units per rail
- ⑤ Number of rails used on the same plane
- ⑥ Accuracy grade (Normal: N / High: H / Precision: P)
- ⑦ Preload (Normal: Blank / Light preload: T1)



Model No.	Dimensions of Assembly			Dimensions of Slide Unit								Dimensions of Rail							Basic Load Rating		Static Moment Rating			
																			Dynamic	Static	MR	MY	MP	
	H	H1	W1	W	L1	H2	W2	W3	L2	L3	MxD	W4	H3	W5	d1	d2	H4	E	P	[N]	[N]	[N·m]	[N·m]	[N·m]
LT05	6	1.5	3.5	12	17	4.5	2	8	9	-	M2x1.5	5	4	2.5	2.4	3.5	1	5	15	550	850	2.25	1.28	1.28
LT07	8	1.5	5	17	23.5	6.5	2.5	12	13.5	8	M2x2.5	7	4.7	3.5	2.4	4.2	2.3	5	15	1310	1900	6.94	4.29	4.29
LT09	10	2.2	5.5	20	31	7.8	2.5	15	20	10	M3x3	9	5.5	4.5	3.5	6	3.3	7.5	20	1940	2810	13.07	9.27	9.27
LT12	13	3	7.5	27	34.8	10	3.5	20	20.8	15	M3x3.5	12	7.5	6	3.5	6	4.5	10	25	3220	4380	27.16	16.50	16.50
LT15	16	4	8.5	32	42.7	12	3.5	25	25.7	20	M3x4	15	9.5	7.5	3.5	6	4.5	15	40	5350	6710	51.67	32.10	32.10

# Miniature Linear Guide LT-W Series T&T Precision

## Structure and Features of LT-W series

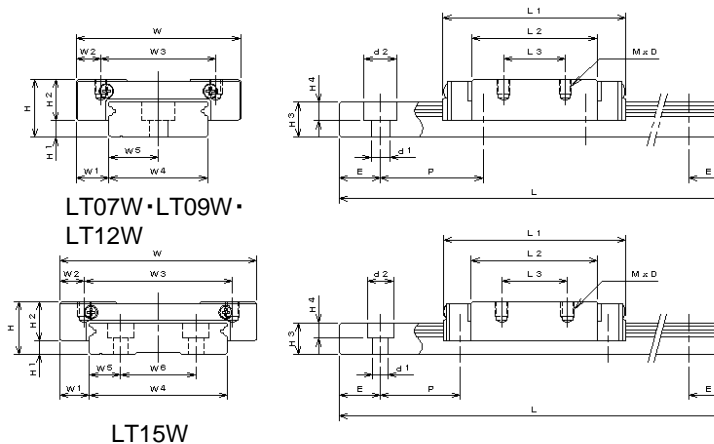
1. Compact design is achieved by applying Gothic-Arch ball raceway groove.
2. Since the contact angle of each ball row is  $45^\circ$ , LT series can receive the load in all four directions equally.
3. High corrosion resistance is achieved since slide unit, rail and balls are made of stainless steel.
4. Balls are retained by ball retainer equipped slide unit. It makes handling and installation of LT series easier.
5. Wider rail of LT-W series enables it to have excellent moment ratings.

### Part Number Coding

**LT 12W - 200 - S2 R2 - P T1**

① ② ③ ④ ⑤ ⑥ ⑦

- ① Model number
- ② Size of slide unit
- ③ Rail length
- ④ Number of slide units per rail
- ⑤ Number of rails used on the same plane
- ⑥ Accuracy grade (Normal: N / High: H / Precision: P)
- ⑦ Preload (Normal: Blank / Light preload: T1)



Model No.	Dimensions of Assembly			Dimensions of Slide Unit								Dimensions of Rail							Basic Load Rating		Static Moment Rating				
	H	H1	W1	W	L1	H2	W2	W3	L2	L3	MxD	W4	H3	W5	W6	d1	d2	H4	E	P	Dynamic	Static	MR	MY	MP
																					[N]	[N]	[N·m]	[N·m]	[N·m]
LT07W	9	2	5.5	25	31	7	3	19	21	10	M3x3	14	5.2	7	-	3.5	6	3.2	10	30	1780	2950	21.09	9.82	9.82
LT09W	12	4	6	30	39	8	4.5	21	28	12	M3x3	18	7.5	9	-	3.5	6	4.5	10	30	3010	4580	41.91	20.32	20.32
LT12W	14	4	8	40	44.5	10	6	28	30.5	15	M3x3.5	24	8.5	12	-	4.5	8	4.5	15	40	4370	6550	79.91	34.00	34.00
LT15W	16	4	9	60	55.5	12	7.5	45	38.5	20	M4x4.5	42	9.5	9.5	23	4.5	8	4.5	15	40	7620	11100	235.32	73.17	73.17