

## 2-2 TRH / TRS / TRC International Standard Linear Guide

### 2-2-6 The Standard Length and Maxima Length of Linear Rail

**TBI MOTION** offer our customers standard and customized rail length to meet the requirement of our customers. TBI suggests that when ordering customized rail length, to prevent unstable running performance after mounting, the end cap value G should be no greater than 1/2F.

$$L = [n-1] \cdot F + 2 \cdot G$$

- L : Total Length of Rail (mm)
- n : Number of Mounting Holes
- F : Distance Between Any Two Holes (mm)
- G : Distance from the Center of the Last Hole to the Edge (mm)

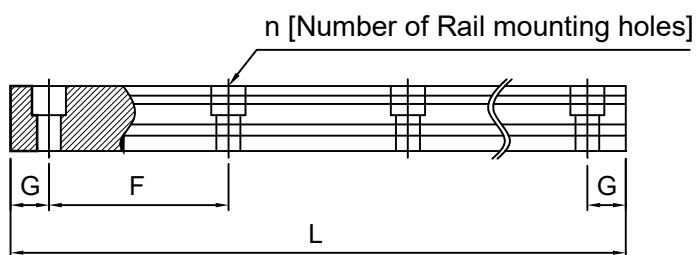


Fig 2.2.3

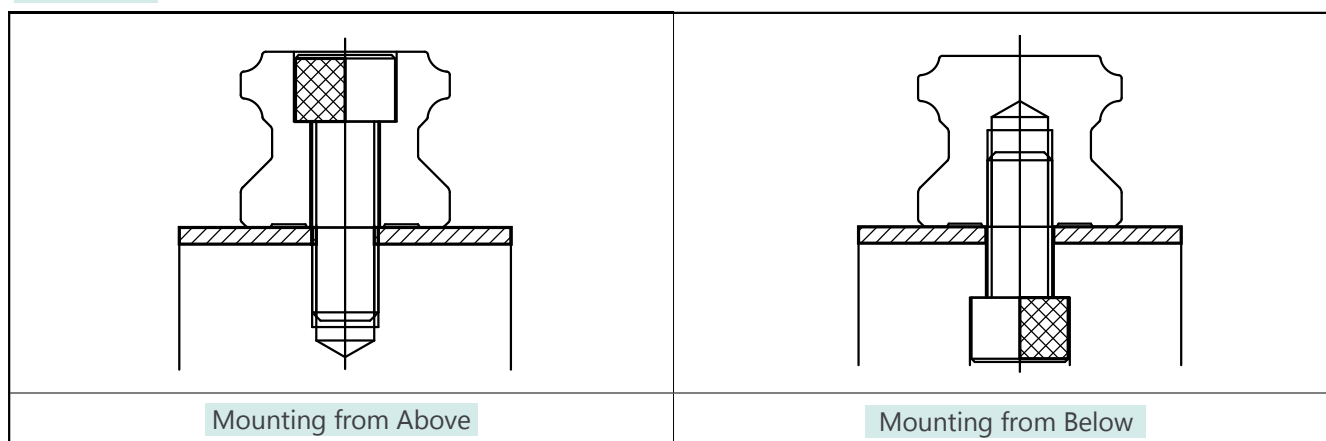
Table 2.2.3

Item	TR15	TR20	TR25	TR30	TR35	TR45	TR55	TR65
F : Pitch	60	60	60	80	80	105	120	150
G : Suggested Distance to End	20	20	20	20	20	22.5	30	35
L : Max. Length	4000	4000	4000	4000	4000	4000	4000	4000

### 2-2-7 Mounting Type of Linear Rail

Besides the standard top mounting type, **TBI MOTION** also offers bottom mounting type rails.

Table 2.2.4



Mounting from Above

Mounting from Below

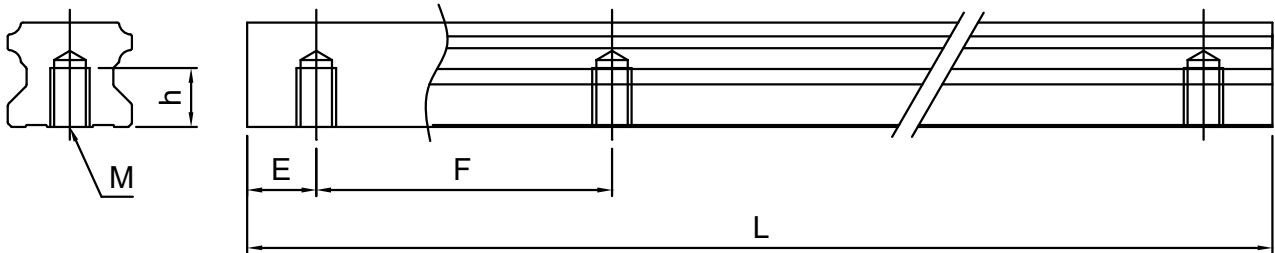


Fig 2.2.4 Mounting from below

Table 2.2.5 Rail Size Chart

Unit : mm

	M	h	E	F
TR15	M5 · 0.8	8	20	60
TR20	M6 · 1	10	20	60
TR25	M6 · 1	12	20	60
TR30	M8 · 1.25	15	20	80
TR35	M8 · 1.25	17	20	80
TR45	M12 · 1.75	24	22.5	105
TR55	M14 · 2	24	30	120
TR65	M20 · 2.5	30	35	150