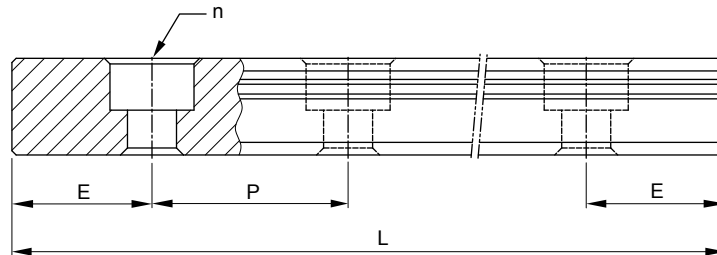


PM Series

Miniature

2-5-11 Standard and Maximum Lengths of Rail

Hiwin offers standard lengths of rail for instant requirements. For non-standard rail lengths, it's recommended that the E value is no greater than 1/2 of the pitch(P) to prevent instability at the end of the rail, and the E value should be no less than Emin to avoid a broken mounting hole.



$$L = (n - 1) \times P + 2 \times E \quad \text{Eq.2.4}$$

L : Total length of rail (mm)

n : Number of mounting holes

P : Distance between any two holes (mm)

E : Distance from the center of the last hole to the edge (mm)

Table 2-5-13

unit: mm

Item	PMNR	PMNR	PMNR	PMWR
	5M	9M	12M	5M
Standard Length L (n)	40 (3)	55 (3)	70 (3)	50 (3)
	55 (4)	75 (4)	95 (4)	70 (4)
	70 (5)	95 (5)	120 (5)	90 (5)
	100 (7)	115 (6)	145 (6)	110 (6)
	130 (9)	135 (7)	170 (7)	130 (7)
	160 (11)	155 (8)	195 (8)	150 (8)
		175 (9)	220 (9)	170 (9)
		195 (10)	245 (10)	
		275 (14)	270 (11)	
		375 (19)	320 (13)	
			370 (15)	
			470 (19)	
			570 (23)	
			695 (28)	
Pitch [P]	15	20	25	20
Distance to End [E _s]	5	7.5	10	5
Max. Standard Length	250 (17)	1195 (60)	1995 (80)	250 (13)
Max. Length	250	1200	2000	250

- Note:
1. Tolerance of E value for standard rail is 0.5~-0.5 mm. Tolerance of E value for jointed rail is 0~-0.3 mm.
 2. Maximum standard length indicates the max. rail length with standard E value on both sides.
 3. The specification with "M" mark stands for stainless steel.
 4. If smaller E value is needed, please contact HIWIN.