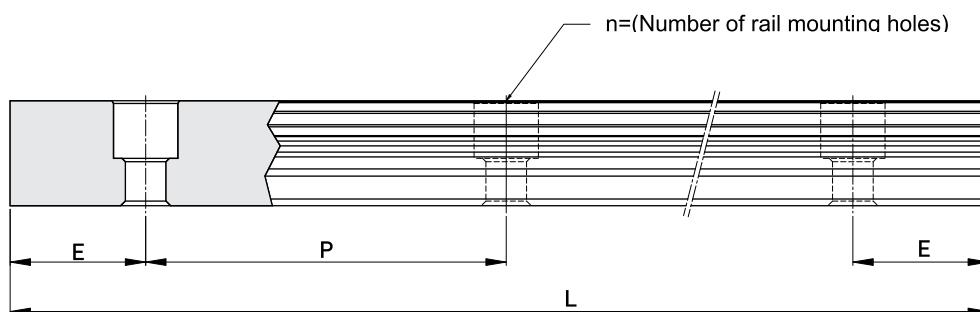


2-2-11 Standard and Maximum Lengths of Rail

HIWIN offers a number of standard rail lengths. Standard rail lengths feature end mounting hole placements set to predetermined values (E). For non-standard rail lengths, be sure to specify the E-value to be no greater than 1/2 the pitch (P) dimension. An E-value greater than this will result in unstable rail ends.



$$L = (n-1) \cdot P + 2 \cdot E \quad \dots \dots \dots \quad \text{Eq.2.2}$$

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 2.44 Rail Standard Length and Max. Length

unit: mm

Item	EGR15	EGR20	EGR25	EGR30
Standard Length L[n]	160[3]	220[4]	220[4]	280[4]
	220[4]	280[5]	280[5]	440[6]
	280[5]	340[6]	340[6]	600[8]
	340[6]	460[8]	460[8]	760[10]
	460[8]	640[11]	640[11]	1.000[13]
	640[11]	820[14]	820[14]	1.640[21]
	820[14]	1.000[17]	1.000[17]	2.040[26]
		1.240[21]	1.240[21]	2.520[32]
		1.600[27]	1.600[27]	3.000[38]
Pitch (P)	60	60	60	80
Distance to End (E _s)	20	20	20	20
Max. Standard Length	1960[33]	4.000[67]	4.000[67]	3.960[50]
Max. Length	2000	4.000	4.000	4.000

- 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 means the max. rail length with standard E value on both sides.
 3. If different E value is needed, please contact HIWIN.