

Linear Guideway

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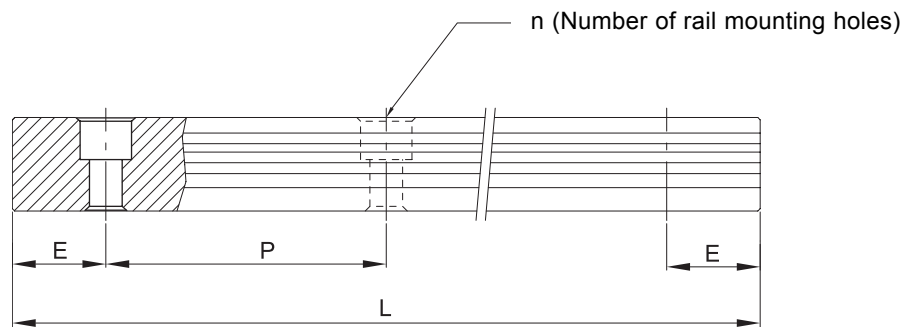
2-3-2 AG/MG Series

Preload		Code	AG series	MGN series	MGW series
Light Clearance	Clearance 4~10 μ m	ZF	●	●	●
Very Light Preload	0	Z0	●	●	●
Light Preload	0.02C	Z1	●	●	●
Medium Preload	0.05C	Z2	●	-	-
Heavy Preload	0.07C	Z3	●	-	-

Note : "C" is basic dynamic load rating.

2-4 Standard Length and Maximum Length

2-4-1 HG Series

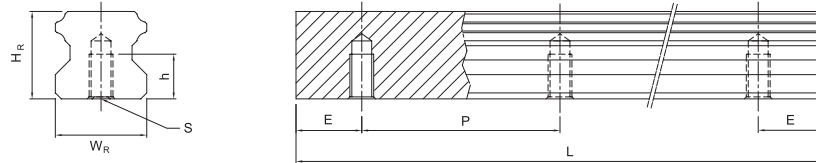


Unit: mm

Item	HGR15	HGR20	HGR25	HGR30	HGR35	HGR45	HGR55	HGR65
Standard Length L(n)	160(3)	220(4)	220(4)	280(4)	280(4)	570(6)	780(7)	1,270(9)
	220(4)	280(5)	280(5)	440(6)	440(6)	885(9)	1,020(9)	1,570(11)
	280(5)	340(6)	340(6)	600(8)	600(8)	1,200(12)	1,260(11)	2,020(14)
	340(6)	460(8)	460(8)	760(10)	760(10)	1,620(16)	1,500(13)	2,620(18)
	460(8)	640(11)	640(11)	1,000(13)	1,000(13)	2,040(20)	1,980(17)	
	640(11)	820(14)	820(14)	1,640(21)	1,640(21)	2,460(24)	2,580(22)	
	820(14)	1,000(17)	1,000(17)	2,040(26)	2,040(26)	2,985(29)	2,940(25)	
	1,240(21)	1,240(21)	2,520(32)	2,520(32)				
	1,600(27)	3,000(38)	3,000(38)					
Pitch (P)	60	60	60	80	80	105	120	150
Distance to End (E _s)	20	20	20	20	20	22.5	30	35
Max. Standard Length	1,960(33)	4,000(67)	4,000(67)	3,960(50)	3,960(50)	3,930(38)	3,54(30)	3,520(24)
Max. Length	2,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000

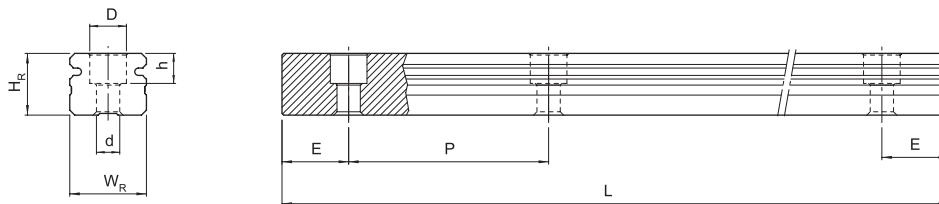
- Note :
1. Tolerance of E value for standard rail is 0.5~0.5 mm. Tolerance of E value for butt-joint is 0~0.3 mm.
 2. Maximum standard length means the max. rail length with standard E value on both end.
 3. If different E value is needed, please contact with HIWIN.

3-10 HGR-T Type (Tapped hole, mounting from bottom)



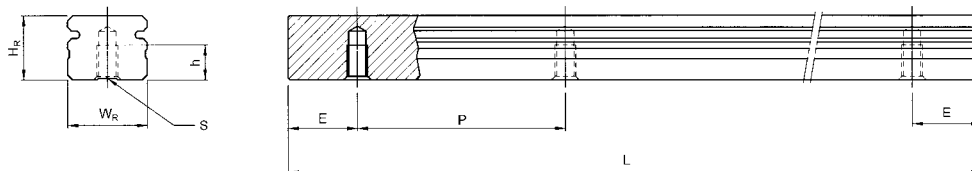
Model No.	Dimensions of Rail (mm)						Weight (kg/m)
	W_R	H_R	S	h	P	E	
HGR15T	15	15	M5 x 0.8P	8	60	20	1.48
HGR20T	20	17.5	M6 x 1P	10	60	20	2.29
HGR25T	23	22	M6 x 1P	12	60	20	3.35
HGR30T	28	26	M8 x 1.25P	15	80	20	4.67
HGR35T	34	29	M8x1.25P	17	80	20	6.51
HGR45T	45	38	M12 x 1.75P	24	105	22.5	10.87
HGR55T	53	44	M14 x 2P	24	120	30	15.67
HGR65T	63	53	M20 x 2.5P	30	150	35	21.73

3-11 AGR-U Type (Large bolt hole, mounting from top)



Model No.	Mounting Bolt for Rail (mm)	Dimensions of Rail (mm)							Weight (kg/m)
		W_R	H_R	D	h	d	P	E	
AGR15U	M4x16	15	13.5	7.5	5.3	4.5	60	20	1.41
AGR30U	M8x25	28	24	14	12	9	80	20	4.65

3-12 AGR-T Type (Tapped hole, mounting from bottom)



Model No.	Dimensions of Rail (mm)						Weight (kg/m)
	W_R	H_R	S	h	P	E	
AGR15T	15	13.5	M5x0.8P	7	60	20	1.44
AGR20T	20	15.5	M6x1P	9	60	20	2.23
AGR25T	23	18.5	M6x1P	10	60	20	3.06
AGR30T	28	24	M8x1.25P	14	80	20	4.83