1.2.10 Dimensions of the HG rail

The HG rail is used for the HG as well as for the QH blocks.

1.2.10.1 Dimensions HGR_R

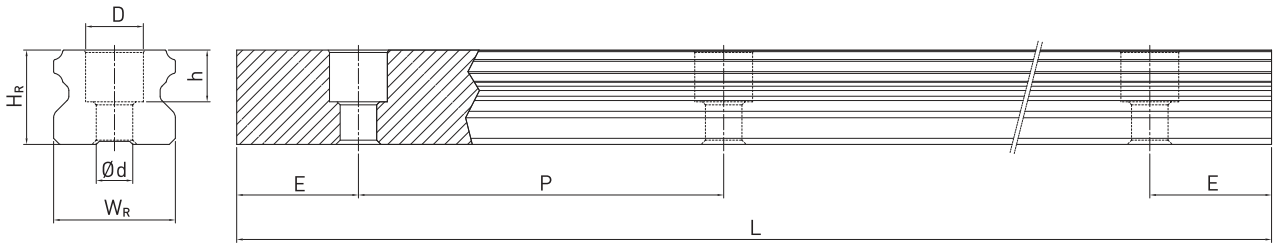

Table 1.8 **Dimensions of the rail HGR_R**

Series Size	Screws for rail [mm]	Dimensions of the rail [mm]						Max. length [mm]	Max. length $E_1 = E_2$	$E_{1/2}$ min [mm]	$E_{1/2}$ max [mm]	Mass [kg/m]
		W_R	H_R	D	h	d	P					
HGR15R	M4 × 16	15	15,0	7,5	5,3	4,5	60,0	4000	3900	6	54	1,45
HGR20R	M5 × 16	20	17,5	9,5	8,5	6,0	60,0	4000	3900	7	53	2,21
HGR25R	M6 × 20	23	22,0	11,0	9,0	7,0	60,0	4000	3900	8	52	3,21
HGR30R	M8 × 25	28	26,0	14,0	12,0	9,0	80,0	4000	3920	9	71	4,47
HGR35R	M8 × 25	34	29,0	14,0	12,0	9,0	80,0	4000	3920	9	71	6,30
HGR45R	M12 × 35	45	38,0	20,0	17,0	14,0	105,0	4000	3885	12	93	10,41
HGR55R	M14 × 45	53	44,0	23,0	20,0	16,0	120,0	4000	3840	14	106	15,08
HGR65R	M16 × 50	63	53,0	26,0	22,0	18,0	150,0	4000	3750	15	135	21,18

1.2.10.2 Dimensions HGR_T (rail mounting from below)

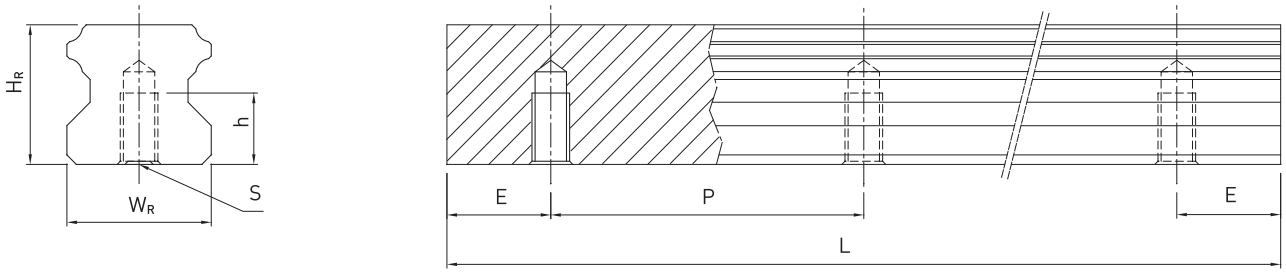

Table 1.9 **Dimensions of the rail HGR_T**

Series Size	Dimensions of the rail [mm]					Max. length [mm]	Max. length $E_1 = E_2$	$E_{1/2}$ min [mm]	$E_{1/2}$ max [mm]	Mass [kg/m]
	W_R	H_R	S	h	P					
HGR15T	15	15,0	M5	8,0	60,0	4000	3900	6	54	1,48
HGR20T	20	17,5	M6	10,0	60,0	4000	3900	7	53	2,29
HGR25T	23	22,0	M6	12,0	60,0	4000	3900	8	52	3,35
HGR30T	28	26,0	M8	15,0	80,0	4000	3920	9	71	4,67
HGR35T	34	29,0	M8	17,0	80,0	4000	3920	9	71	6,51
HGR45T	45	38,0	M12	24,0	105,0	4000	3885	12	93	10,87
HGR55T	53	44,0	M14	24,0	120,0	4000	3840	14	106	15,67
HGR65T	63	53,0	M20	30,0	150,0	4000	3750	15	135	21,73

Note:

1. The tolerance for E is +0,5 to −1 mm for standard, for joint connections 0 to −0.3 mm
2. If no information is provided on the $E_{1/2}$ dimensions, the maximum number of fixing holes is determined taking into account $E_{1/2}$ min
3. The rails are shortened to the desired length. If no information on the $E_{1/2}$ dimensions is provided, then the rails are manufactured symmetrically.