

Linear guideways

CG series

3.2.10 Dimensions of the CG rail

3.2.10.1 Dimensions CGR_R

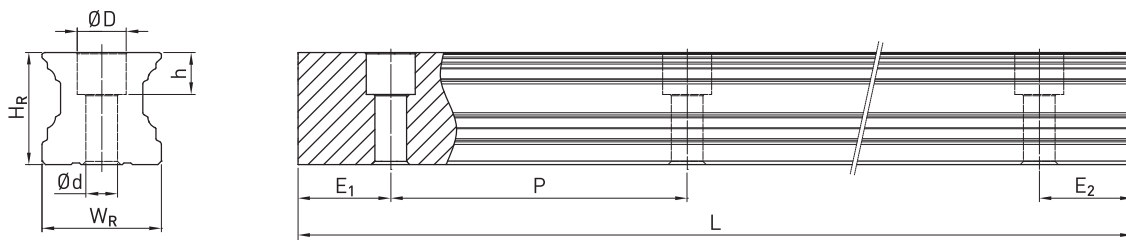


Table 3.27 Dimensions of profile rail CGR_R

Series/ size	Assembly screw for rail [mm]	Dimensions of the rail [mm]						Max. length [mm]	Max. length E ₁ = E ₂ [mm]	Min. length [mm]	E _{1/2} min [mm] ¹⁾	E _{1/2} min [mm] ²⁾	E _{1/2} max [mm]	Weight [kg/m]
		W _R	H _R	D	h	d	P							
CGR15R	M4 × 20	15	16.20	7.5	5.9	4.5	60	4,000	3,900	72	6	14	54	1.58
CGR20R	M5 × 25	20	20.55	9.5	8.5	6.0	60	4,000	3,900	74	7	16	53	2.48
CGR25R	M6 × 30	23	24.25	11.0	9.0	7.0	60	4,000	3,900	76	8	17	52	3.38
CGR30R	M8 × 35	28	28.35	14.0	12.4	9.0	80	4,000	3,920	98	9	18	71	5.10
CGR35R	M8 × 40	34	31.85	14.0	12.0	9.0	80	4,000	3,920	98	9	24	71	7.14
CGR45R	M12 × 50	45	39.85	20.0	17.0	14.0	105	4,000	3,885	129	12	27	93	11.51

¹⁾ E_{1/2} min without cover strip and with cover strip (clamp: steel clamp)

²⁾ E_{1/2} min with cover strip (clamp: front clamping screw)

3.2.10.2 Dimensions CGR_T

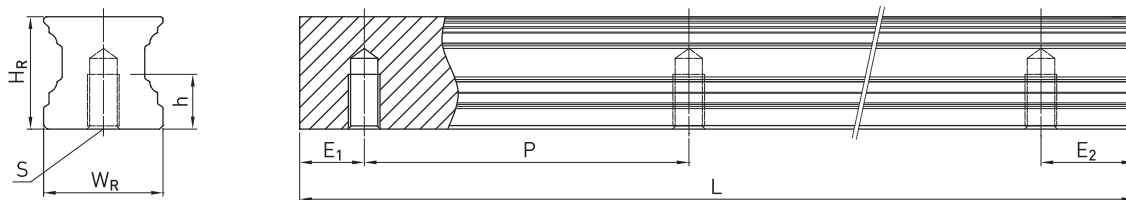


Table 3.28 Dimensions of profile rail CGR_T

Series/size	Dimensions of the rail [mm]					Max. length [mm]	Max. length E ₁ = E ₂ [mm]	Min. length [mm]	E _{1/2} min [mm] ¹⁾	E _{1/2} min [mm] ²⁾	E _{1/2} max [mm]	Weight [kg/m]
	W _R	H _R	S	h	P							
CGR15T	15	16.20	M5	8	60	4,000	3,900	72	6	14	54	1.58
CGR20T	20	20.55	M6	10	60	4,000	3,900	74	7	15	53	2.48
CGR25T	23	24.25	M6	12	60	4,000	3,900	76	8	15	52	3.38
CGR30T	28	28.35	M8	15	80	4,000	3,920	98	9	16	71	5.10
CGR35T	34	31.85	M8	17	80	4,000	3,920	98	9	22	71	7.14
CGR45T	45	39.85	M12	24	105	4,000	3,885	129	12	24	93	11.51

¹⁾ E_{1/2} min without cover strip and with cover strip (clamp: steel clamp)

²⁾ E_{1/2} min with cover strip (clamp: front clamping screw)

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 mounting 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.