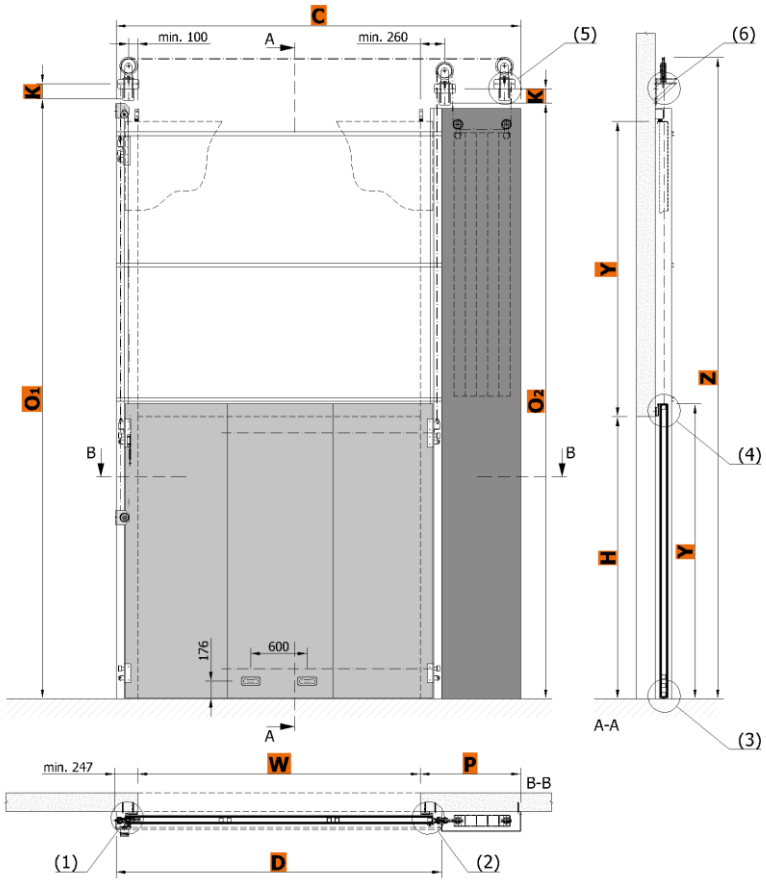
Somati
system s.r.o.

TECHNICAL DATA SHEET
VERTICALLY SLIDING FIRE GATES
GGS EI 120

Technical data sheets serve to determine the basic space requirements of vertically sliding fire gates. Other dimensions or atypical demands can be solved upon request.

GGS EI 120 — COUNTERWEIGHT ON ONE SIDE



Electromagnetic brake can be additionally changed for motor EPO with control box 1RM1.

W	opening width [mm]			**H**	opening height [mm]
Y	gate range	=	H + 135 mm		
D	external pitch of guide tracks	=	W + 2x min. 230 mm (+ 2x 17 mm bolts)		
C	overall width	=	W + min. 247 mm + P		
A	vertical part of steel structure	=	(m ≤ 1000 kg) => O_2 – 20 mm; (m > 1000 kg) => O_2 –35 mm		
K	pitch of bracket anchor points	=	(m ≤ 1000 kg) => 155 mm; (m > 1000 kg) => 230 mm		
O_1	anchoring axis of edge pulley	=	H + Y + min. 245 mm		
O_2	anchoring axis of middle pulley	=	O_1 - 50 mm		
P	cover of counterweight	=	815 mm to 1235 mm		
Z	overall height	=	(m ≤ 1000 kg) => O_1 + 443; (m > 1000 kg) => O_1 + 526 mm		
E	edge of steel structure	=	P – 80 mm		

Average weight of gate leaf = 70 kg/m^2

TECHNICAL DATA SHEET GGS EI 120 COUNTERWEIGHT ON ONE SIDE

01/2023

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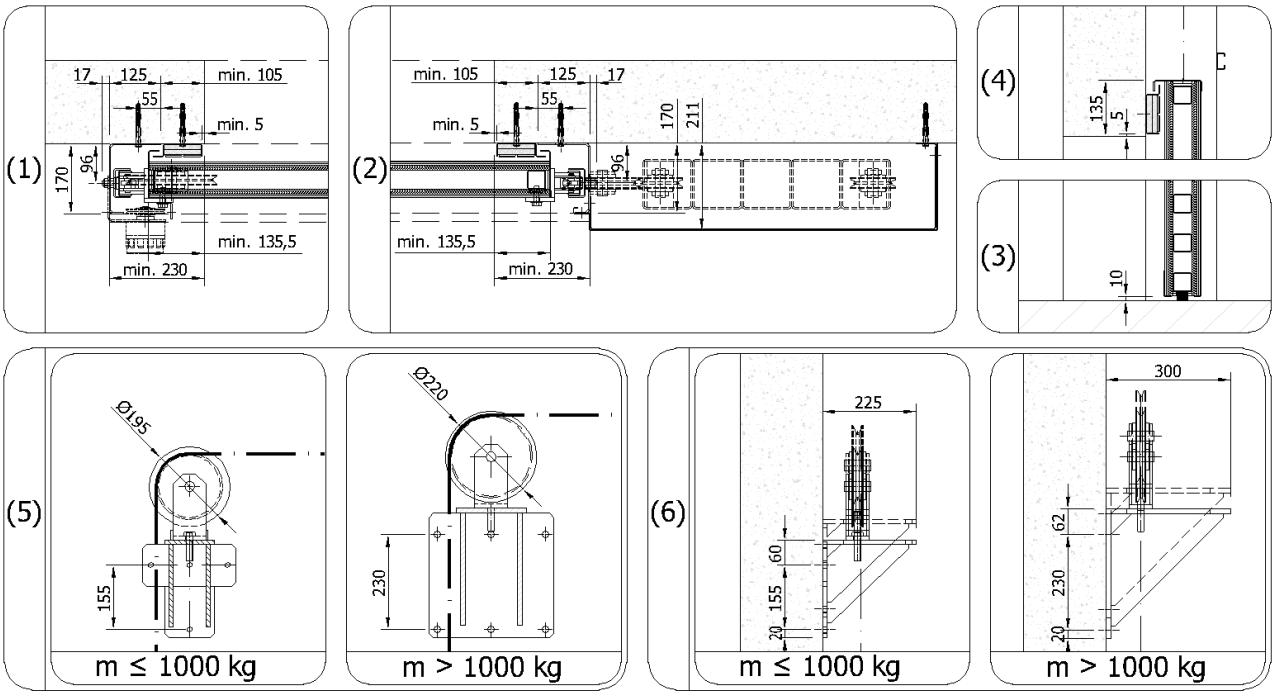
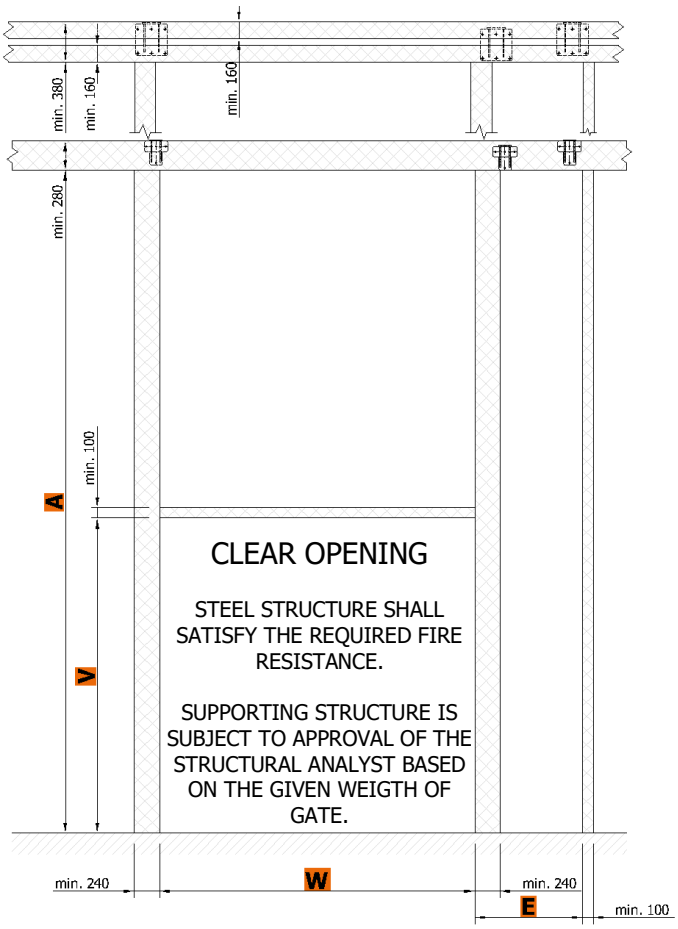


Minimum required dimensions of steel structure

m > 1000 kg

m ≤ 1000 kg



Construction readiness of the opening is secured by the customer according to the requirements of the contractor and depending on the type of jamb and lintel of the opening.
Anchor brackets can be fixed with anchor bolts (concrete, solid brick), or to anchor targets with bolts through wall (foam silicate, gas silicate or breeze (hollow) blocks), or to prepared steel structure with appropriate fire resistance (plasterboard wall, sandwich panels etc.). It is necessary to respect the flatness of the wall and the floor with a tolerance of max. 3 mm/m.
Technical changes reserved.

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