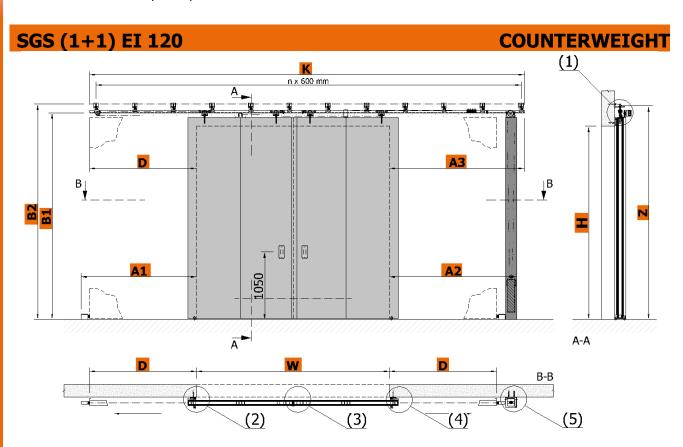# Somati
system s.r.o.

TECHNICAL DATA SHEET
DOUBLE LEAF SLIDING FIRE GATES
SGS (1+1) EI 120

Technical data sheets serve to determine the basic space requirements of sliding fire gates. Other dimensions or atypical demands can be solved upon request.
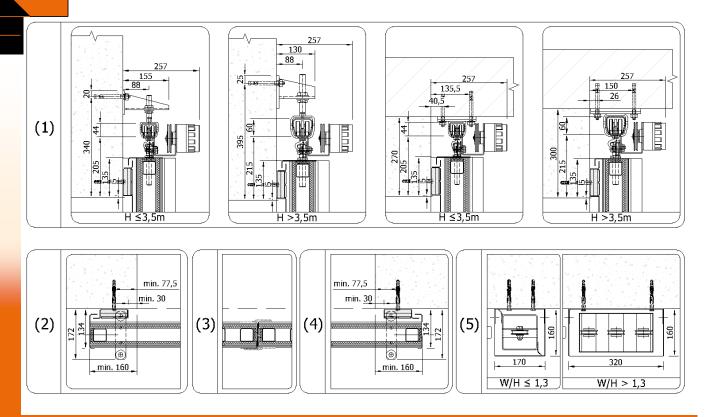
SGS (1+1) EI 120   COUNTERWEIGHT

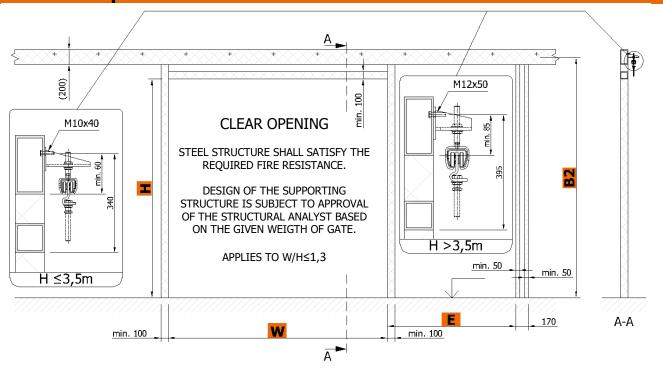| W	opening width [mm]		H		opening height [mm]
D	gate range	= W/2 + min. 160 mm			
A1	floor stop	= D + 130 mm			
A2	covering of counterweight	= D + min. 300 applies to (W / H ≤ 1,3)			
A3	overlap from edge of opening	= min. A2			
E	edge of steel structure	= min. A1			
K	length of rail	= D + W + A3 mm			
B1	height of rail from floor	= (H ≤ 3,5 m) => H + 205 mm; (H > 3,5 m) => H + 215 mm			
B2	axis of fixing system	= (H ≤ 3,5 m) => H + 340 mm; (H > 3,5 m) => H + 395 mm			
Z	overall height without cover	= (H ≤ 3,5 m) => H + 360 mm; (H > 3,5 m) => H + 420 mm			

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

(1) H ≤3,5m / H >3,5m / H ≤3,5m / H >3,5m

(2) (3) (4) (5) W/H ≤ 1,3 / W/H > 1,3

Minimum required dimensions of steel structure

M10x40

H ≤3,5m

M12x50

H >3,5m

CLEAR OPENING

STEEL STRUCTURE SHALL SATISFY THE REQUIRED FIRE RESISTANCE.

DESIGN OF THE SUPPORTING STRUCTURE IS SUBJECT TO APPROVAL OF THE STRUCTURAL ANALYST BASED ON THE GIVEN WEIGTH OF GATE.

APPLIES TO W/H≤1,3

A-A

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.

Would you like to know more? Contact us.