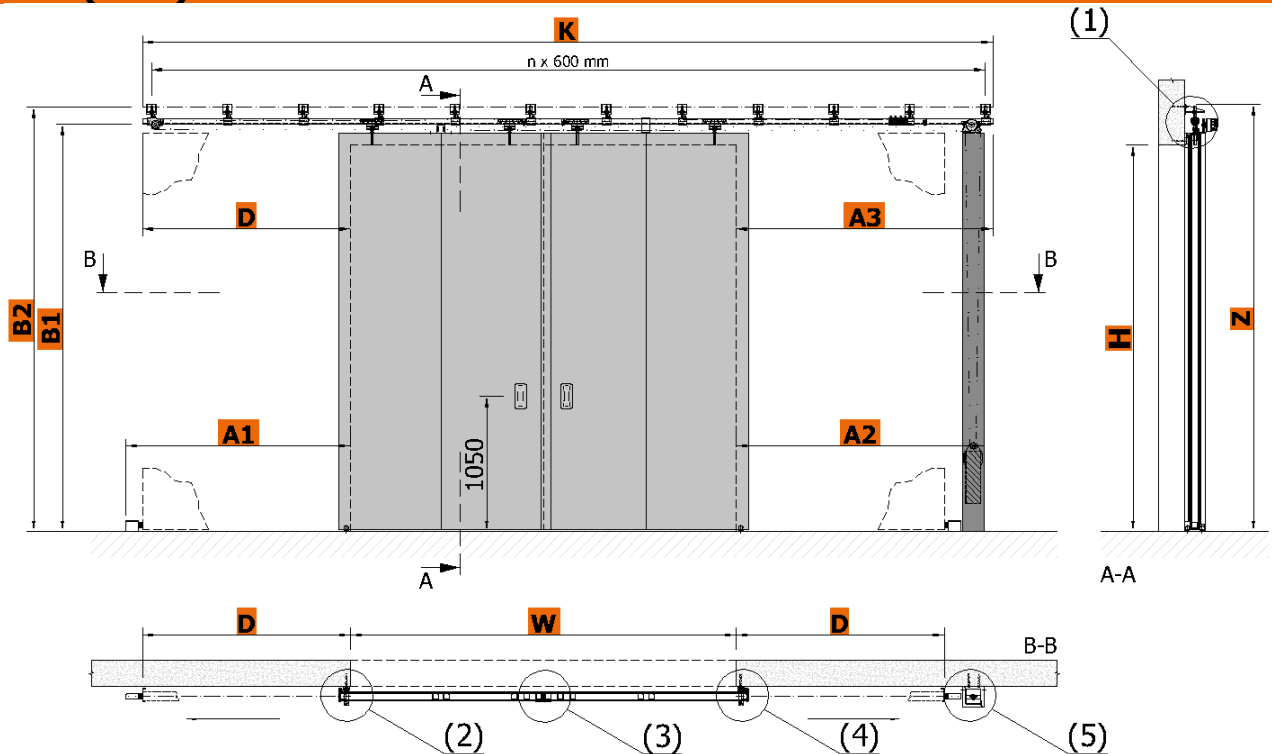# Somati
system s.r.o.

TECHNICAL DATA SHEET
DOUBLE LEAF SLIDING FIRE GATES
SGS (1+1) EI 60

Technical data sheets serve to determine the basic space requirements of sliding fire gates. Other dimensions or atypical demands can be solved upon request.
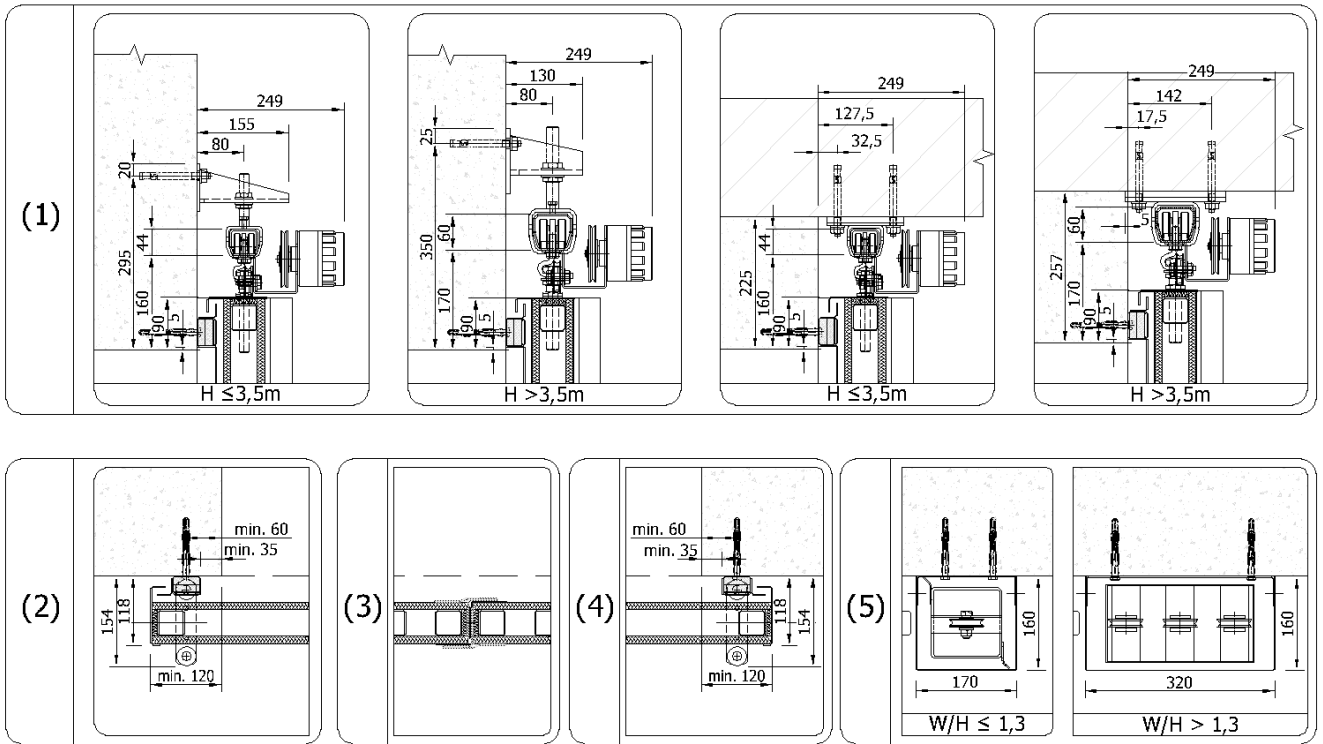
SGS (1+1) EI 60   COUNTERWEIGHT
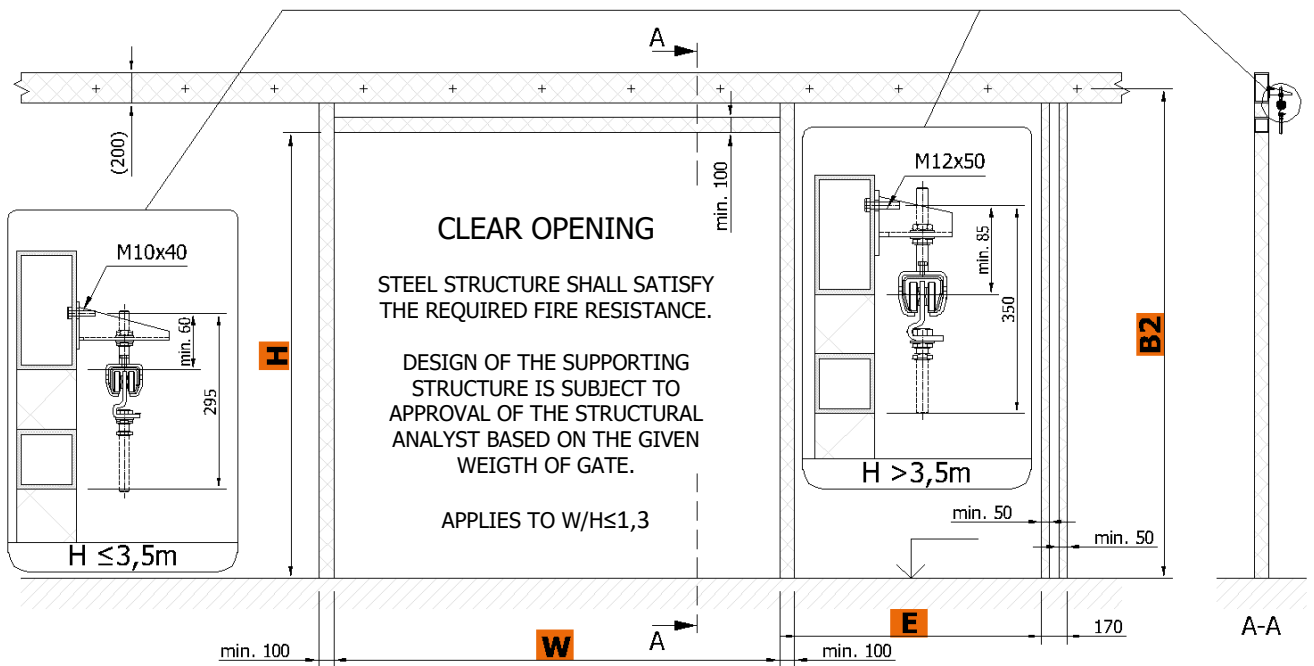

W	opening width [mm]		H	opening height [mm]
D	gate range	= W/2 + min. 120 mm		
A1	floor stop	= D + 130 mm		
A2	covering of counterweight	= D + min. 300 mm applies to (W / H ≤ 1,3)		
A3	overlap from edge of opening	= min. A2		
E	edge of steel structure	= min. A1		
K	length of rail	= D + W + A3 mm		
B1	height of rail from floor	= (H ≤ 3,5 m) => H + 160 mm; (H > 3,5 m) => H + 170 mm		
B2	axis of fixing system	= (H ≤ 3,5 m) => H + 295 mm; (H > 3,5 m) => H + 350 mm		
Z	overall height without cover	= (H ≤ 3,5 m) => H + 315 mm; (H > 3,5 m) => H + 375 mm		

Average weight of gate leaf = 50 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

A

(200)

min. 100

M12x50

M10x40

min. 60

min. 85

350

295

H

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

B2

H >3,5m

min. 50

min. 50

H ≤3,5m

min. 100   W   A   min. 100   E   170   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.