SD1-60

SD SERIES

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VERS. 03**26**





MODEL

SD1-60

single leaf sliding door

MODEL

SD1-60

DESCRIPTION

Large-dimension sliding metal gate with a leaf made of modular elements (panels) in 0.6 mm thick steel sheet, assembled on site.

Inside, it incorporates thermal insulation materials in accordance with the tested Tria construction system. The tightness against flames and hot gases around the perimeter of the opening is ensured by a door stop made of 2 mm thick electro-galvanized steel profiles that contain intumescent seals and are fixed to the wall and to the leaf.

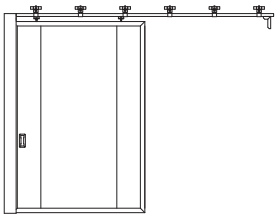
Above the free passage opening, along the full length of the leaf and along the leaf wall space length when open, a galvanized steel tubular track is installed, equipped with sliding trolleys and self-lubricated ball bearings.

The tubular track may be fixed to the lintel by means of lateral fixing brackets or directly to the slab by means of hangers and a top fixing plate. The closing system is based on counterweights that are activated, in the event of fire, after deactivation of the electromagnetic device that holds the leaf.

When installed in escape routes, and with the gate in closed position, passage is ensured by a hinged metal pedestrian door with a singlepoint lock, hinges and concealed door closer, and either a pair of lever handles or a lever handle and panic bar. This door is only required if the gate is installed in escape routes.

The pedestrian door frame is made of bended electro-zinc coated steel profiles (1.5 mm thickness), welded together. The leaf, with a rebated edge on three sides of the frame, is made of two panels in 0.8 mm thick electro-galvanized steel sheet and incorporates acoustic and thermal insulation materials in accordance with the tested Tria construction system. The use of intumescent seals ensures the required tightness to flames and hot gases.

specification



model | typology	**SD1-60** | single leaf sliding gate

fire resistance classification

	both sides
integrity (EN 1634-1)	E 60
integrity and insulation (EN 1634-1)	EI_2 60

classification according to standard EN 13501-2
CE marking according to EN 13241 and EN 16034 standards

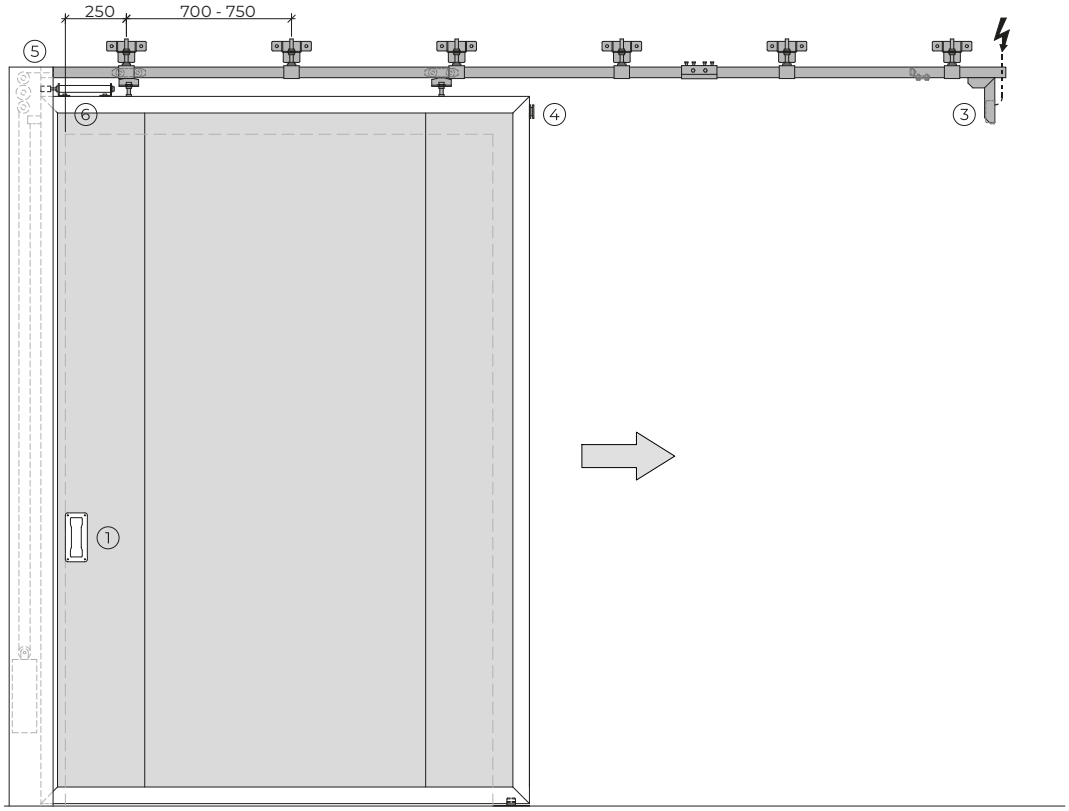
leaf dimension (mm)

width x height (maximum)	7350 X 6150
width x height (minimum)	1155 x 2255 / 1550 x 2415 with pedestrian door
other dimensions	upon request

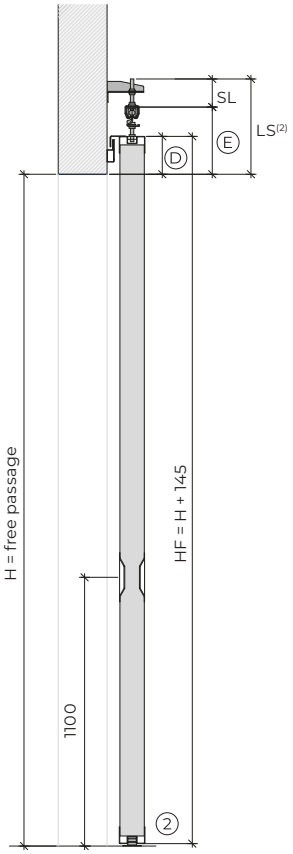
construction

leaf thickness (mm)	105
leaf weight (kg/m2)	30 (sliding leaf) / with pedestrian door additional 60 Kg
pedestrian door (optional)	W x H = 900 x 2100 mm[1]
finishing (standard)	pedestrian door electro-zinc coated steel* leaf made of electro-zinc coated steel profiles* and modular panels in pyrenees white color suspension system in galvanized steel
finishing (optional)	*paint finish in pyrenees white color

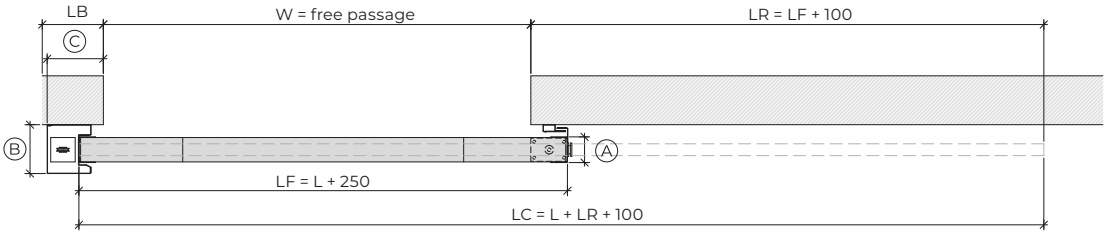
[1] W x H = width x height = free passage



exterior view



vertical section



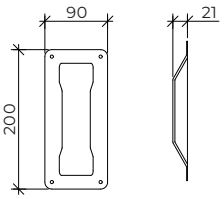
horizontal section

STANDARD CLOSING STOP - FRONTAL COUNTERWEIGHTS										
DIMENSIONS OF SLIDING GATE								INSTALLATION DIMENSIONS		
LF	HF	Ⓐ	Ⓑ	Ⓒ	Ⓓ	LC	PE	LR	LB	LS
LEAF WIDTH	LEAF HEIGHT	LEAF THICKNESS	CLOSING STOP THICKNESS	CLOSING STOP WIDTH	UPPER OVERLAP	TRACK LENGHT	WEIGHT	OPENING SIDE	CLOSING STOP SIDE	LINTEL SIDE
L + 250	H + 145	105	200	230	155	L + LR + 100	30	LF + 100	C + 20	E + SL
mm							kg/m²	mm		

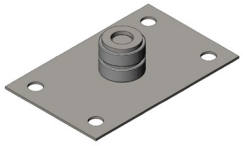
(2) Varies according to leaf weight, see pages: 13, 14 and 15

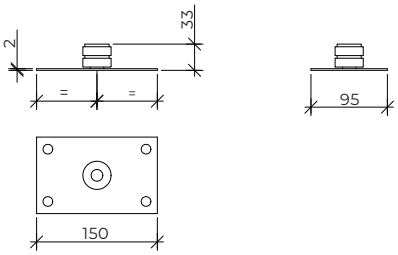
ACCESSORIES AND HARDWARE - SLIDING GATE





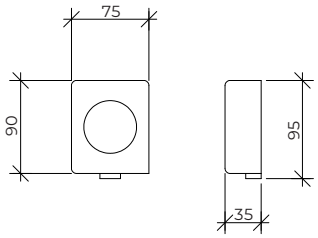
① pair of dished flush pulls (interior and exterior faces), in galvanized steel





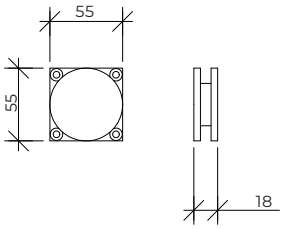
② bottom guide with bearing, in galvanized steel





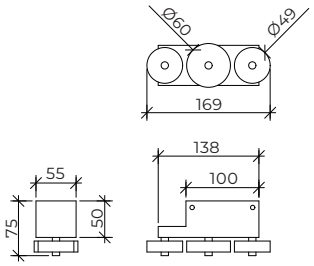
③ door retainer with push button release, operating voltage : 24Vdc / 70 mA, body in galvanized steel with black abs plastic box





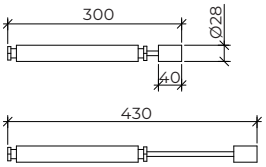
④ fix counterplate, in galvanized steel





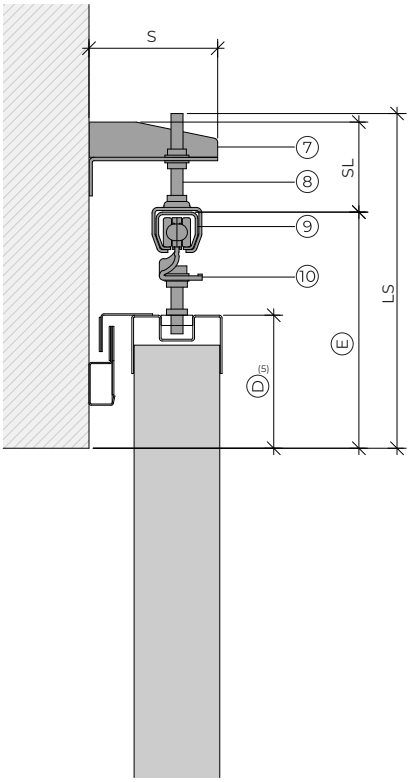
⑤ continuous-closing hydraulic damper with 3 wheels

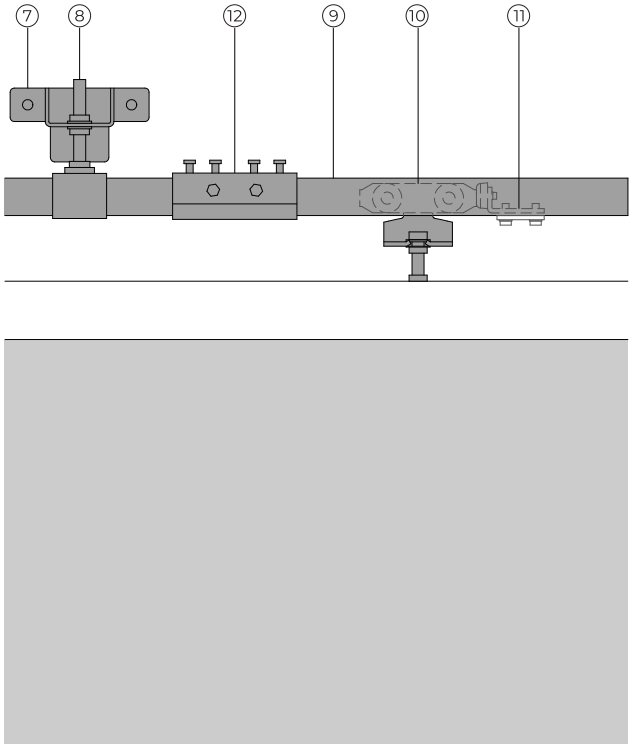




⑥ cydraulic impact shock absorbers

SUSPENSION SYSTEM ACCORDING TO THE WEIGHT OF THE GATE

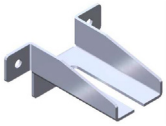




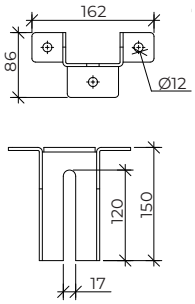
SLIDING GATE UP TO 400 KG (LF × HF × PE)				
Vertical Leaf Overlap	Vertical Track Overlap	Wall Support Height	Vertical Overlap	Wall Support Width
Ⓓ	Ⓔ	SL	LS	S
155	275	105	390	150
[5]	mm			

[5] For leaf widths LF ≥ 6000 mm, consider an additional 100 mm

ACCESSORIES

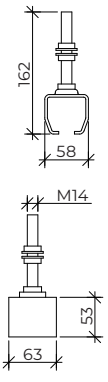


⑦ wall support



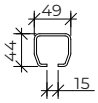


⑧ track bracket



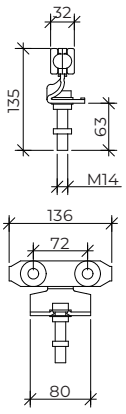


⑨ track



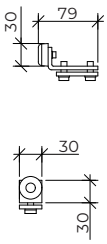


⑩ hanger



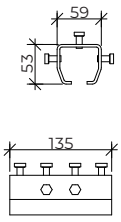


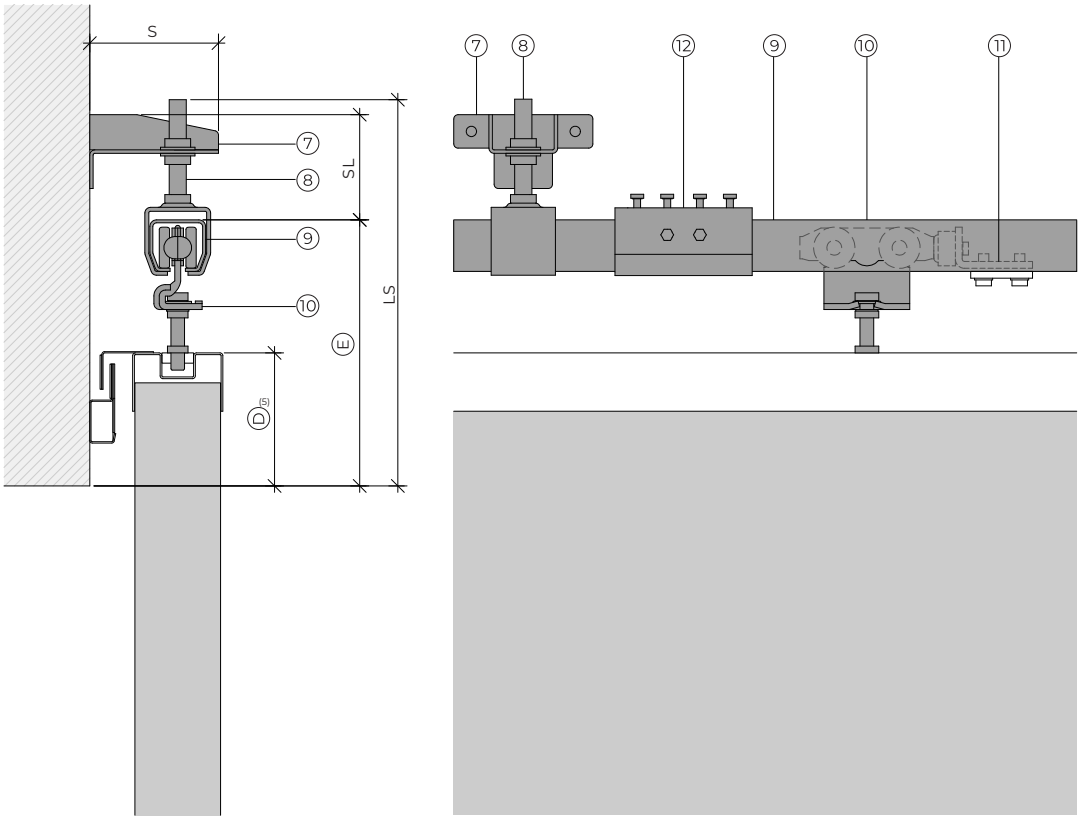
⑪ track stop





⑫ jointing bracket

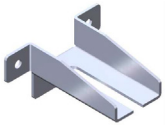




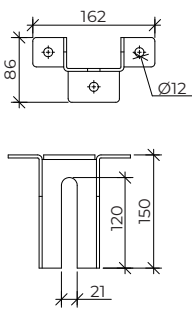
SLIDING GATE 400 KG TO 750 KG (LF × HF × PE)				
Vertical Leaf Overlap	Vertical Track Overlap	Wall Support Height	Vertical Overlap	Wall Support Width
(D)[5]	(E)	SL	LS	S
155	310	122,5	450	150
mm				

[5] For leaf widths LF ≥ 6000 mm, consider an additional 100 mm

ACCESSORIES

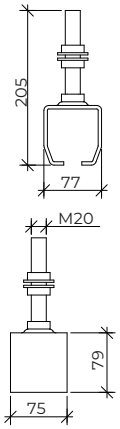


⑦ wall support



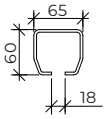


⑧ track bracket



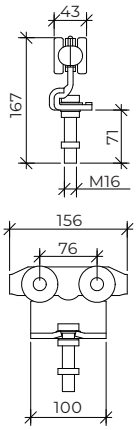


⑨ track



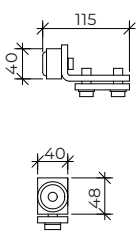


⑩ hanger



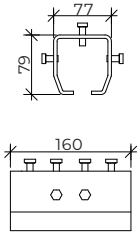


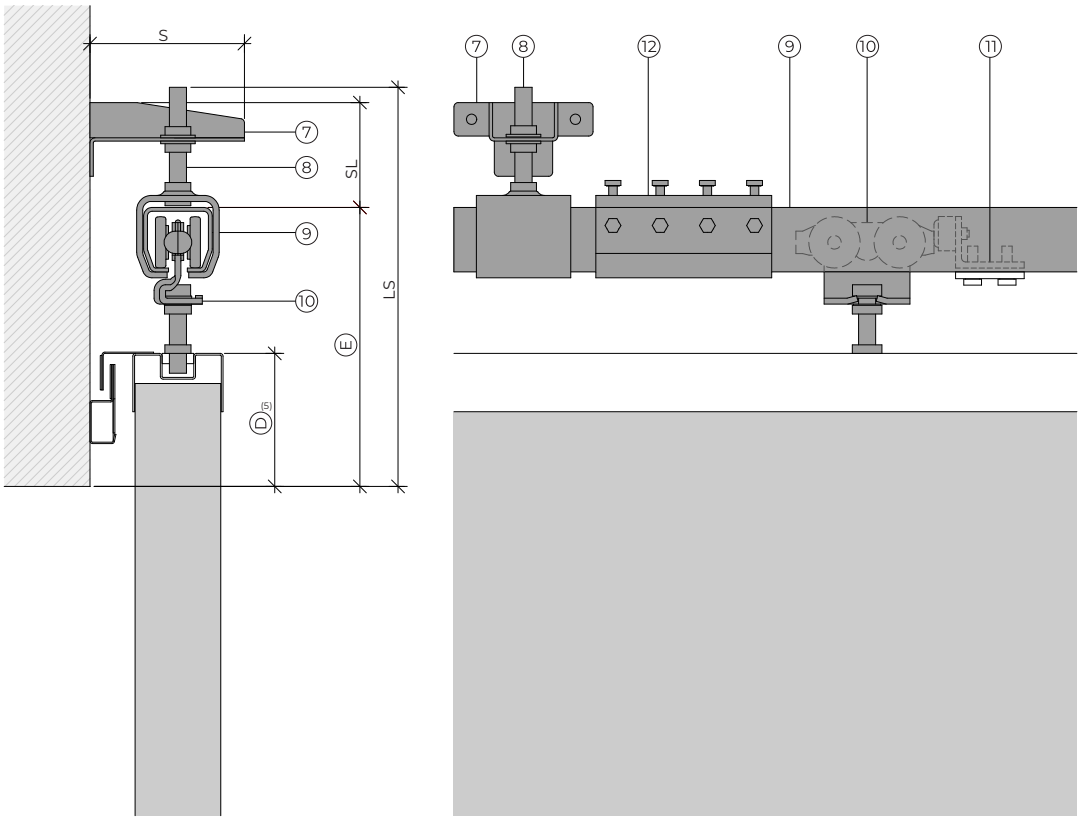
⑪ track stop





⑫ jointing bracket





SLIDING GATE + 750 KG (LF X HF X PE)				
Vertical Leaf Overlap	Vertical Track Overlap	Wall Support Height	Vertical Overlap	Wall Support Width
Ⓓ(5)	Ⓔ	SL	LS	S
155	325	122,5	465	180
mm				

(5) For leaf widths LF ≥ 6000 mm, consider an additional 100 mm

ACCESSORIES



⑦ wall support



⑧ track bracket



⑨ track



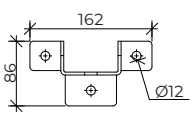
⑩ hanger

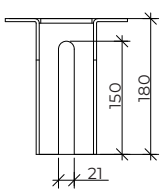


⑪ track stop

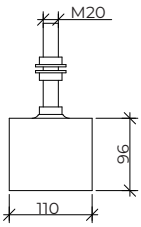


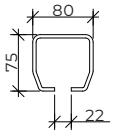
⑫ jointing bracket

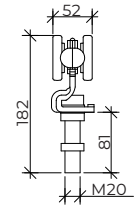


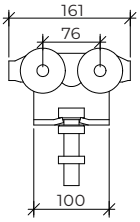


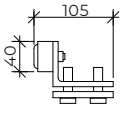


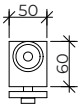


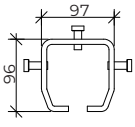


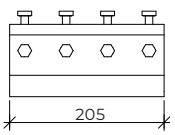




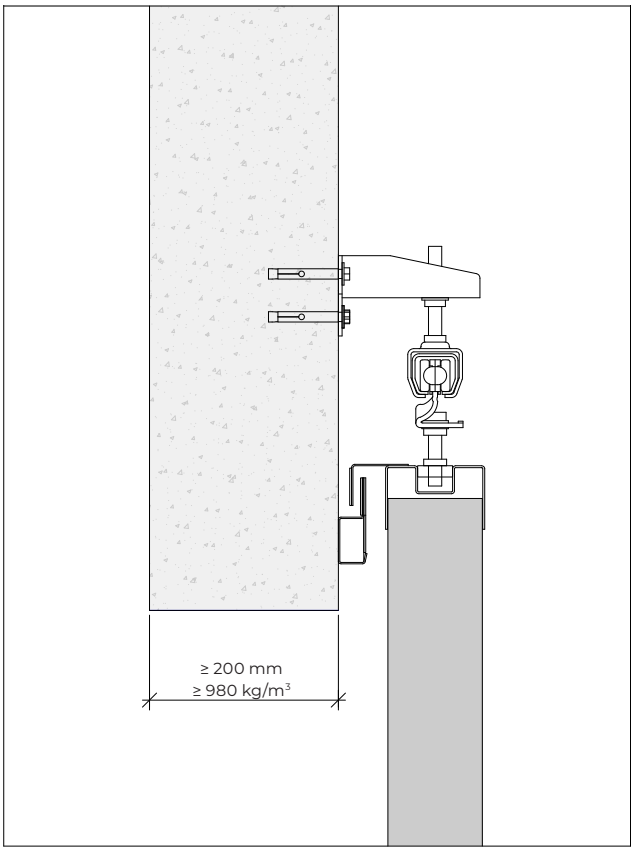




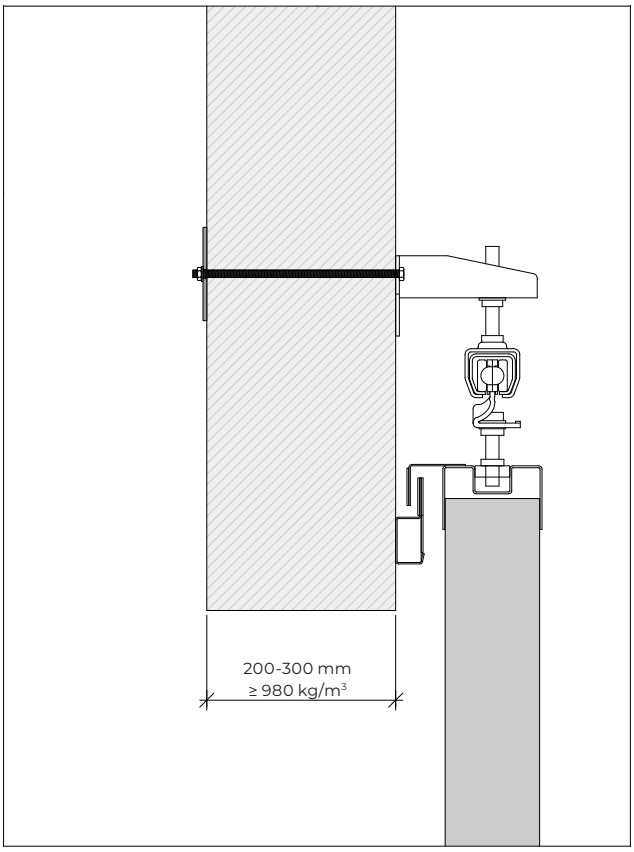




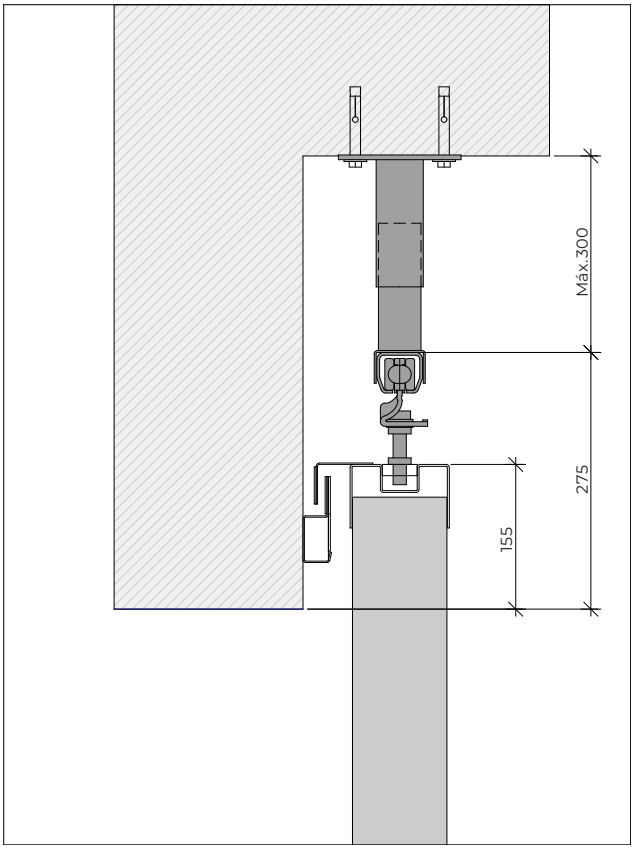
WALLS AND FIXINGS TYPES



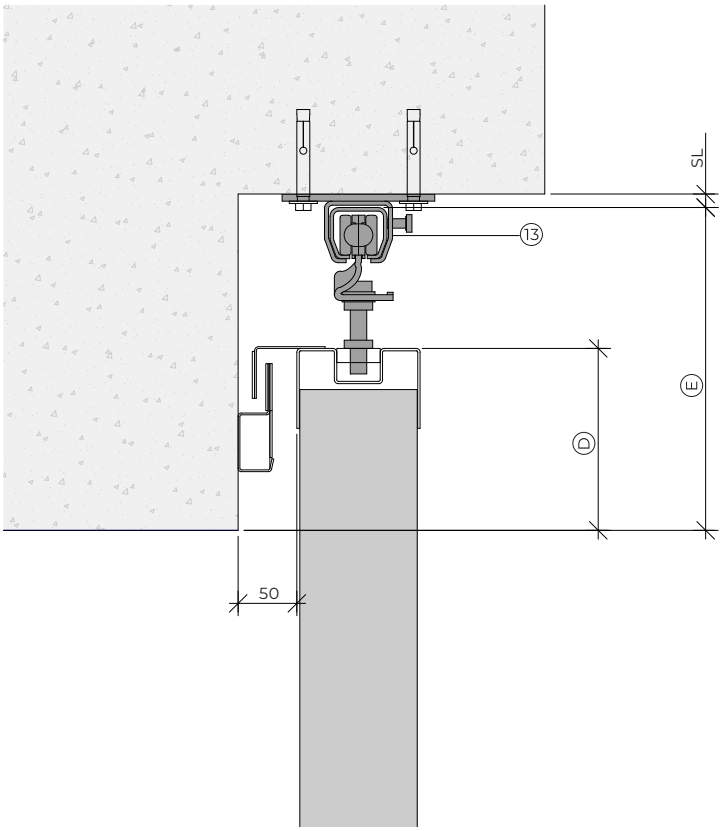
Steel anchor fixing | Concrete wall mounting



Through-bolt fixing | Masonry wall mounting



Fixing to slab using hangers

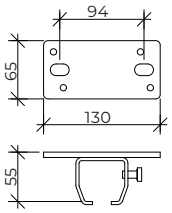


FIXING TO SLAB USING TOP FIXING BRACKET				
Sliding Gate Weight	Ⓓ	Ⓔ	SL	AP
	Vertical Leaf Overlap	Vertical Track Overlap	Wall Support Height	Wall Clearance
≤ 400	155	275	12	50
≥ 400 ≤ 750		310	22	
≥ 750		325	24	70
kg		mm		

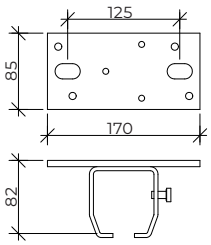
ACCESSORIES



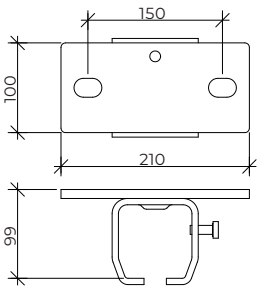
⑬ top fixing bracket



≤ 400kg

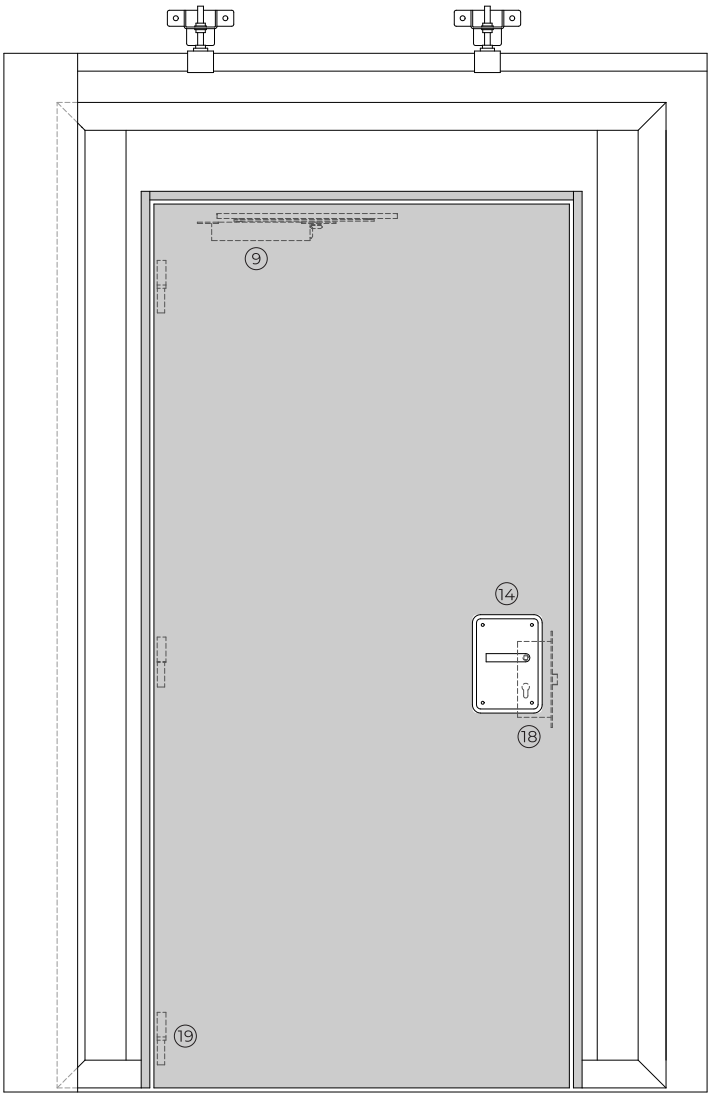


≥ 400kg ≤ 750kg

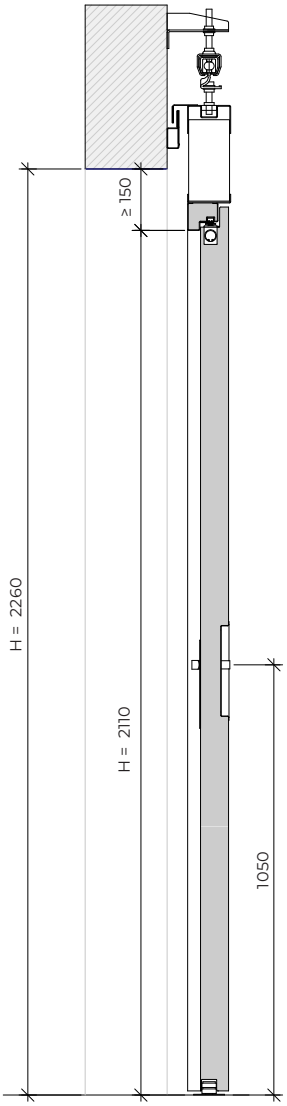


≥ 750kg

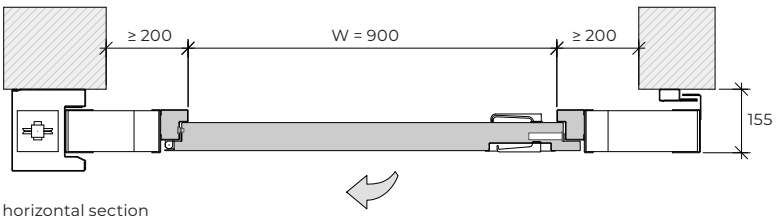
OPENING ON THE SIDE OPPOSITE THE LABYRINTH PROFILE
LEVER HANDLES ON BOTH SIDES



exterior view

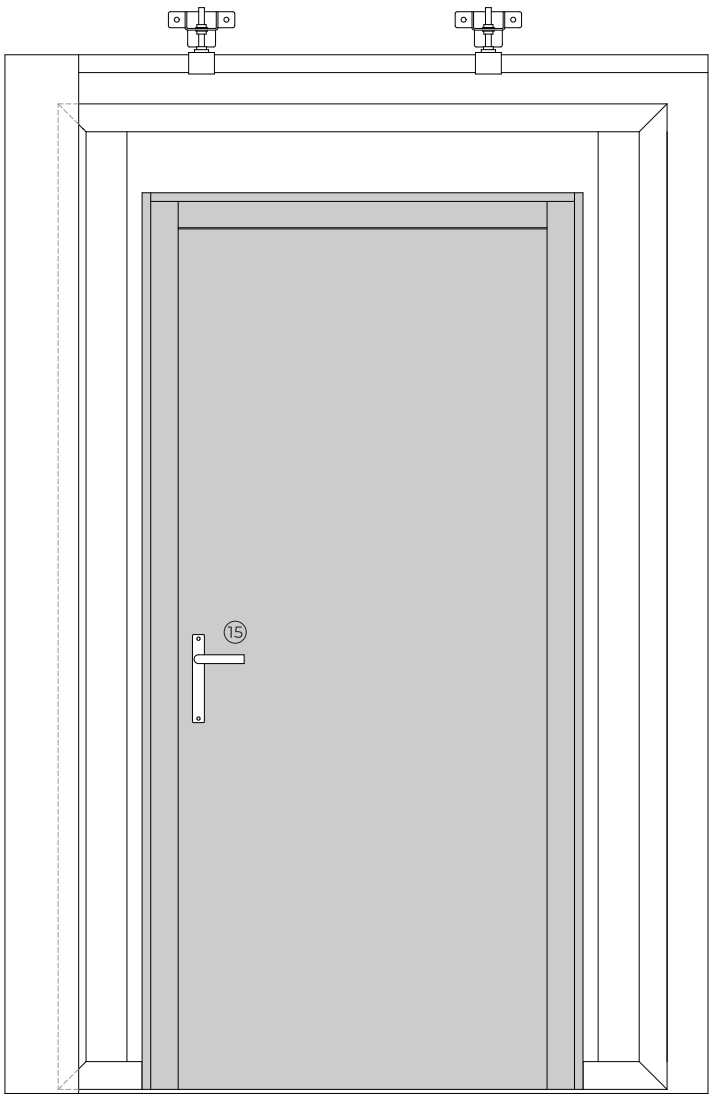


vertical section

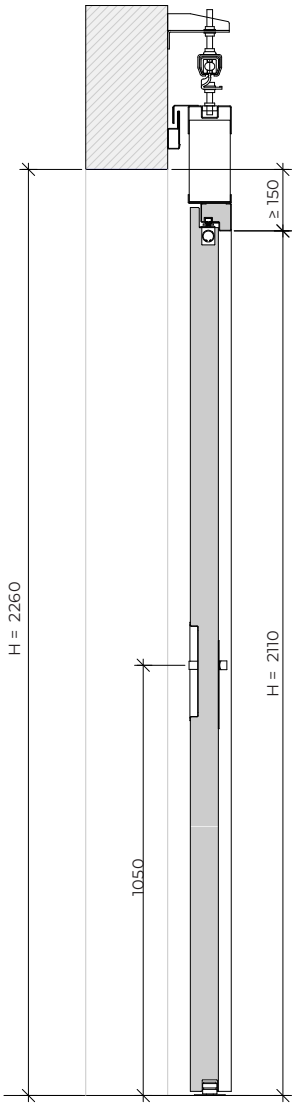


horizontal section

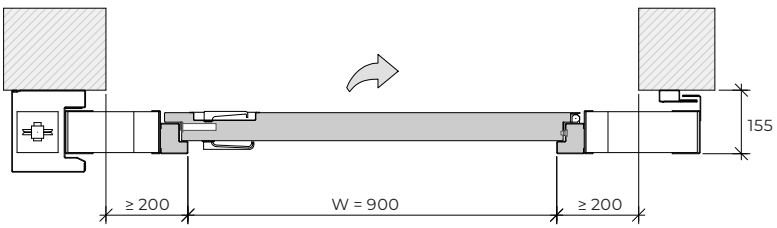
OPENING ON THE SIDE THE LABYRINTH PROFILE
LEVER HANDLES ON BOTH SIDES



exterior view

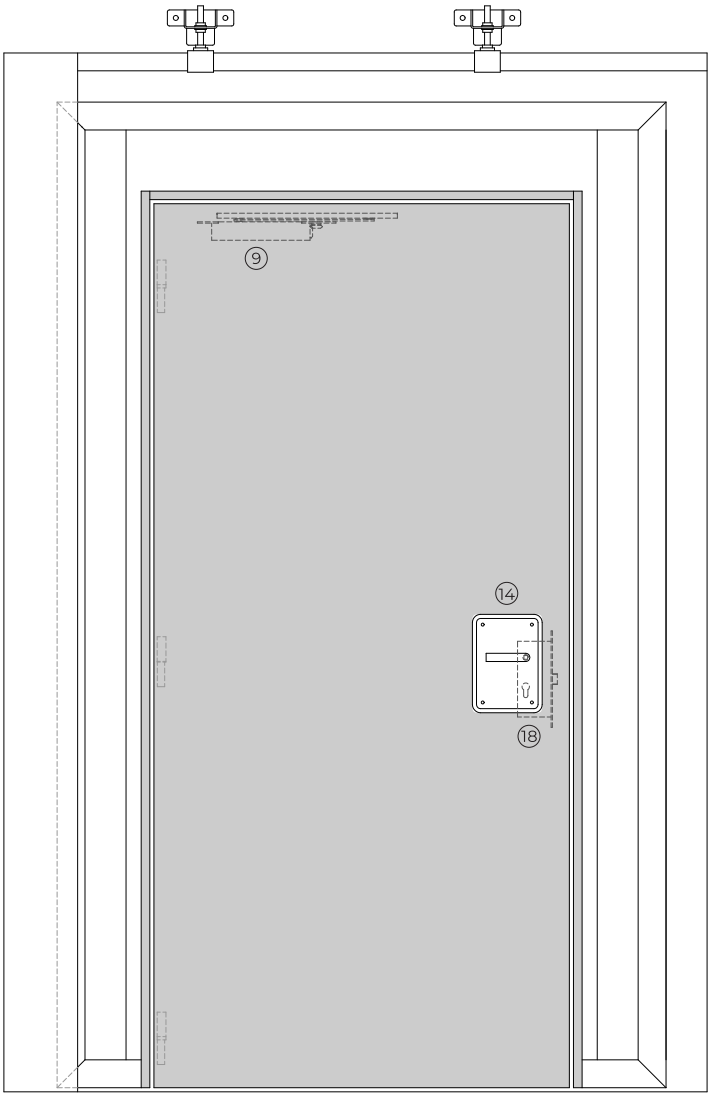


vertical section

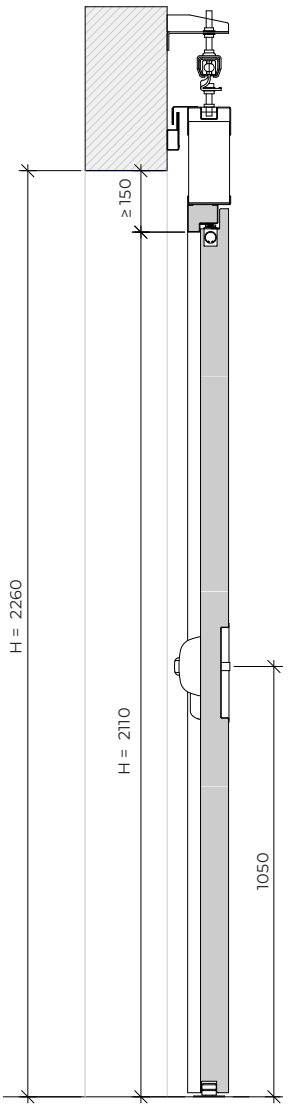


horizontal section

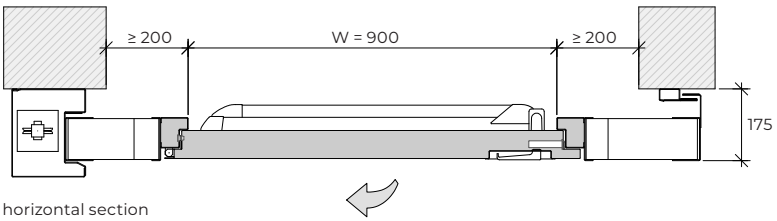
OPENING ON THE SIDE OPPOSITE THE LABYRINTH PROFILE
LEVER HANDLE AND PANIC BAR



exterior view

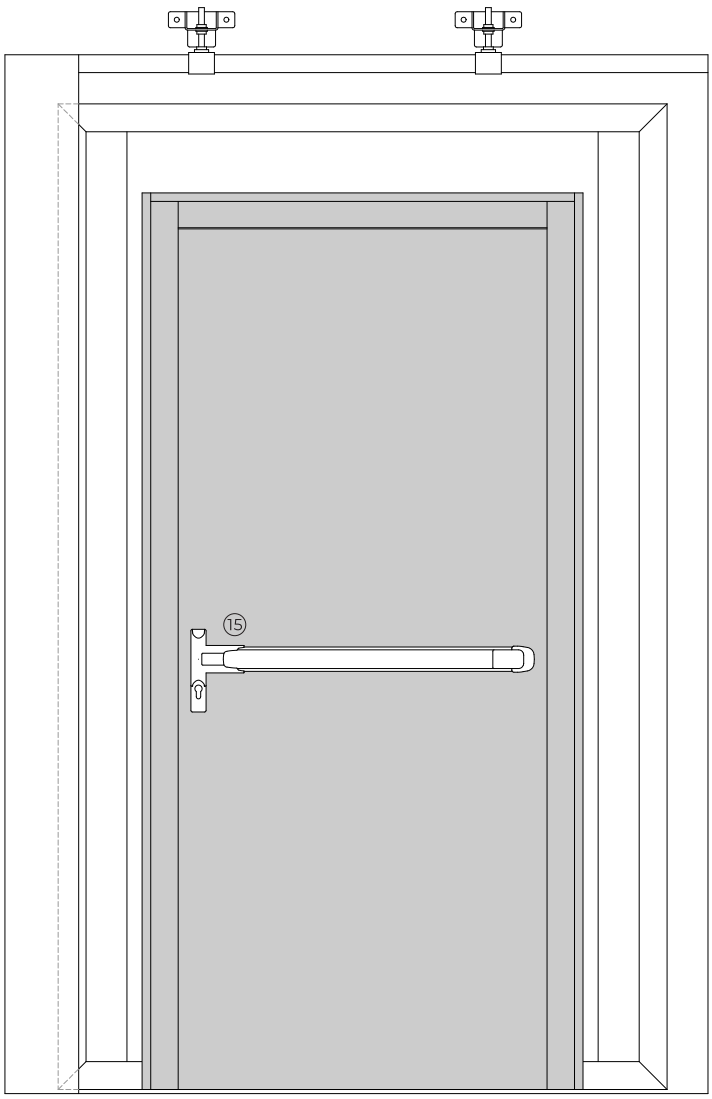


vertical section

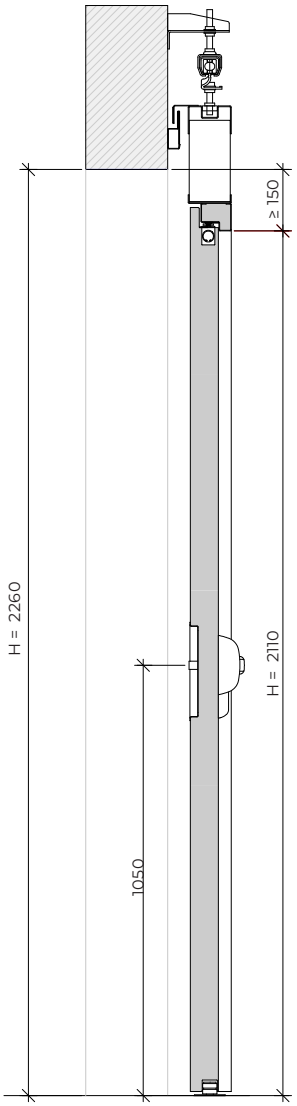


horizontal section

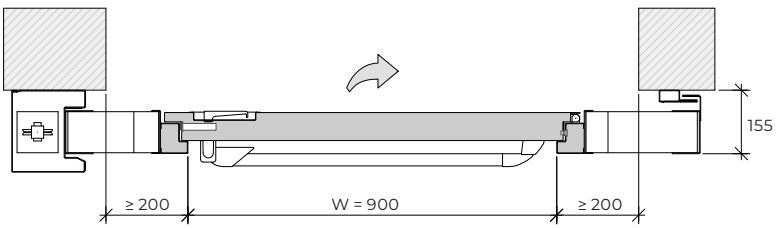
OPENING ON THE SIDE THE LABYRINTH PROFILE
LEVER HANDLE AND PANIC BAR



exterior view



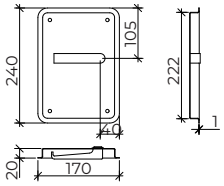
vertical section



horizontal section

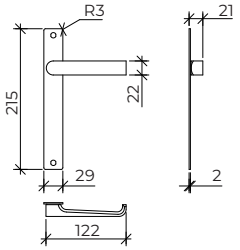
ACCESSORIES AND HARDWARE - PEDESTRIAN DOOR





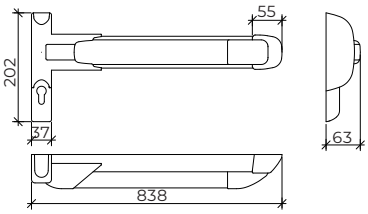
⑭ flush plate with lever handle, stainless steel finish





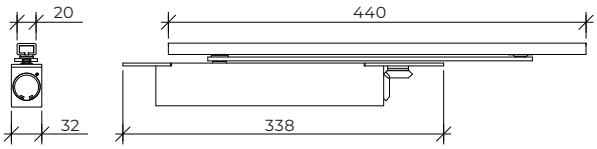
⑮ plate with lever handle, stainless steel finish





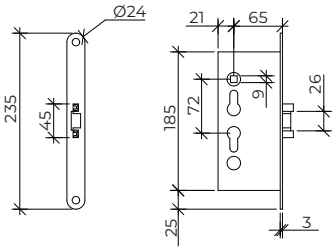
⑯ push panic bar black/red finish, other finishes upon request



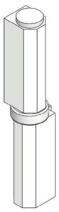


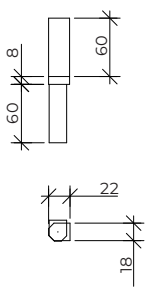
⑰ concealed door closer





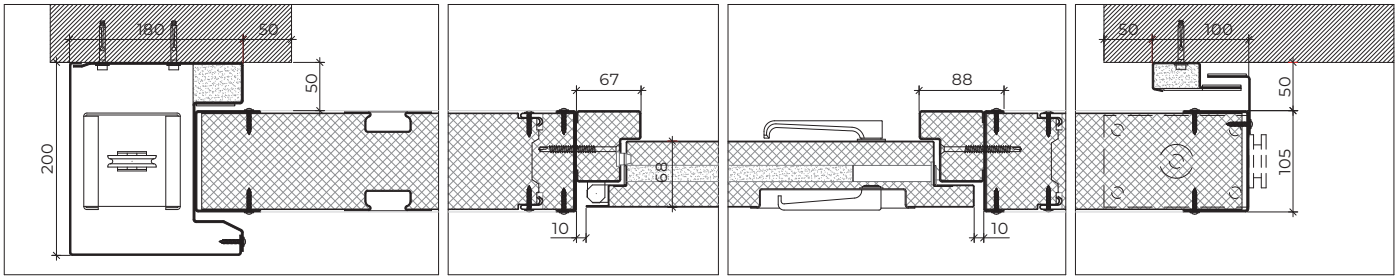
⑱ lock with 1 locking point, zinc plated steel frontplate



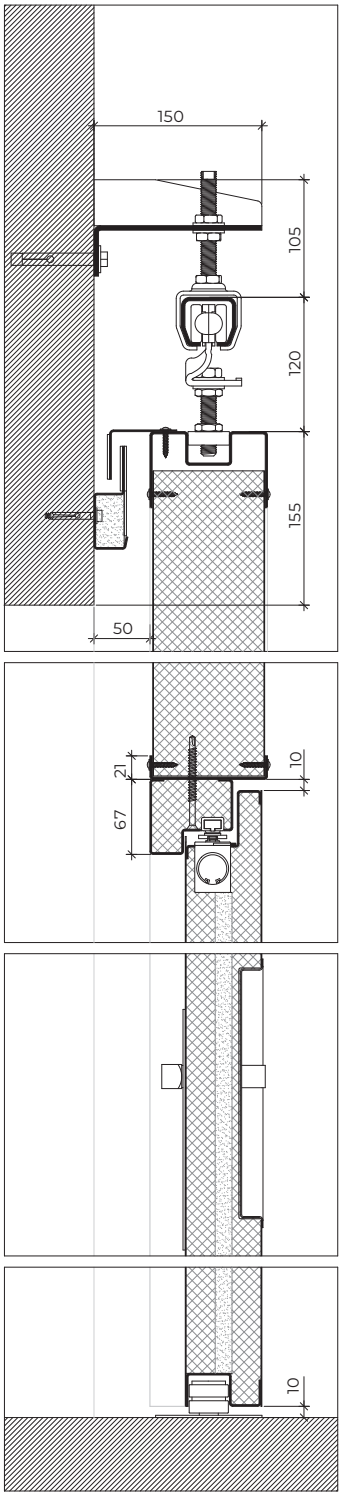


⑲ 3 exclusive hinges of this series

DETAILS



horizontal section | sliding gate and pedestrian door



vertical section | sliding gate and pedestrian door