ALL TYPES OF FRAMES

CERTIFICATES

→ **Certified for internal application**
Certificate of Constancy of Performance
1322-CPR-52206003 (IBS Austria) referring
to European Technical Assessment ETA-22/0324

→ **Certified for external application**
Certificate of Constancy of Performance
2268-CPR-481 (KIWA)

Complemented with relevant Declaration of Performance

DOOR MANUFACTURED TO CUSTOMER ORDER

STANDARD

→ door leaf constructed of 2 steel skins 0.75 mm, edge rebated 18 x 18 mm total thickness 65 mm; reinforced for door closer application on both sides
→ corner type door frame of steel 1.5 mm; fitted with perimeter rubber gasket and intumescent fire gasket
→ door leaf inlet composed of rockwool and an intermediate layer of two fire protective boards ; weight of door 45 kg/m^2
→ finish: PPC, palette RAL (258 colours, except signal ones)
→ 2 pcs of hinges, regulated 3D, stainless steel
→ DIN-standard lock, PZ 72 mm, backset 65 mm
→ stainless steel lever handle-handle set, U-form, on long shield
→ PZ cylinder, 3 keys
→ 2 pcs of safety pins (in case of 3 hinges – 1 pc of safety pin)
→ flush bolt in astragal of passive leaf (double leaf door)
→ temporary-affixed steel bar threshold – for transportation only

ALTERNATIVE EQUIPMENT

→ door frame: block, embracing or other type
→ door skins and door frame of stainless steel

ADDITIONAL EQUIPMENT

→ multipoint locks, panic locks, solenoid and motor
→ ironmongery: knobs, panic bars
→ electric strike plates, magnet locks, magnet contacts
→ glass vision panel, rectangular or round, single or double glass
→ fire rated ventilation grill
→ smoke resistant gasket (S_{a4}, S_{200})
→ automatic dropping gasket
→ rain drip cap on door frame and/or on lower part of door leaf
→ door closers
→ alternative equipment and other door features on request

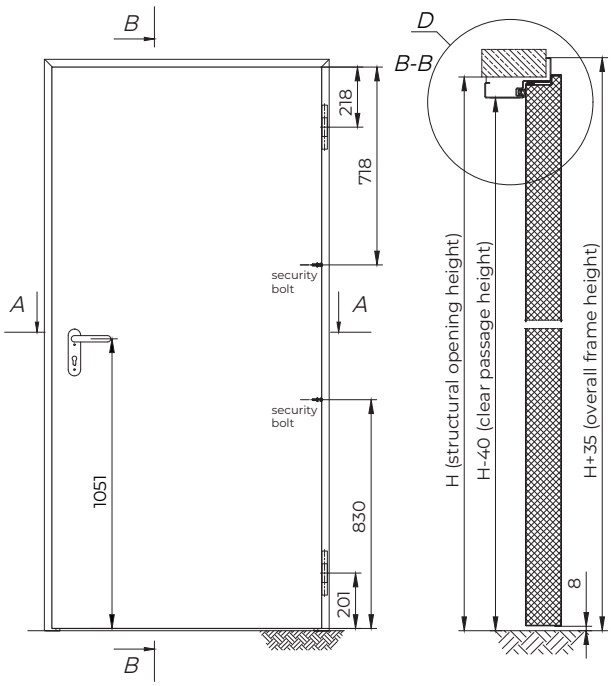
TECHNICAL PARAMETERS

→ basic features
- mechanical resistance: class 3 (optional up to 4) according to standard EN 1192
- mechanical durability: class 5 according to standard EN 16034 (200 000 cycles)
- corrosion class: C3 (optional C5) according to standard EN ISO 12944

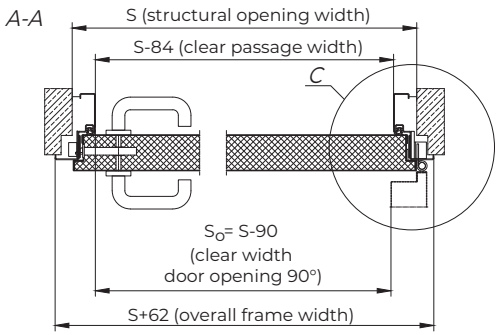
→ optional: other classifications
→ other functional features – according to relevant Declaration of Performance

STEEL CORNER FRAME

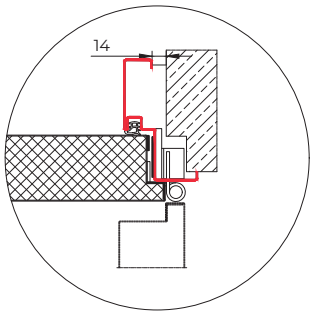
→ front view and cross section



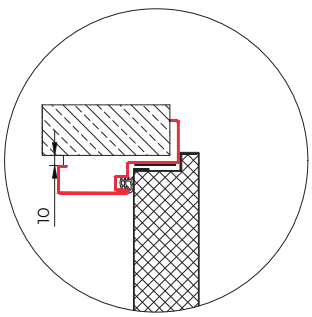
range of equipment and necessary wall treatment (cut-outs) **are shown on separate data sheets**



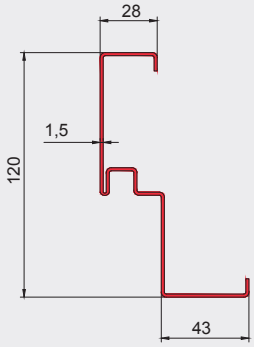
→ detail C



→ detail D



→ **calculation of wall opening versus clear opening for the corner door frames:**



→ sizes of corner steel door frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

corner frame	**without** thermal break	1,3

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

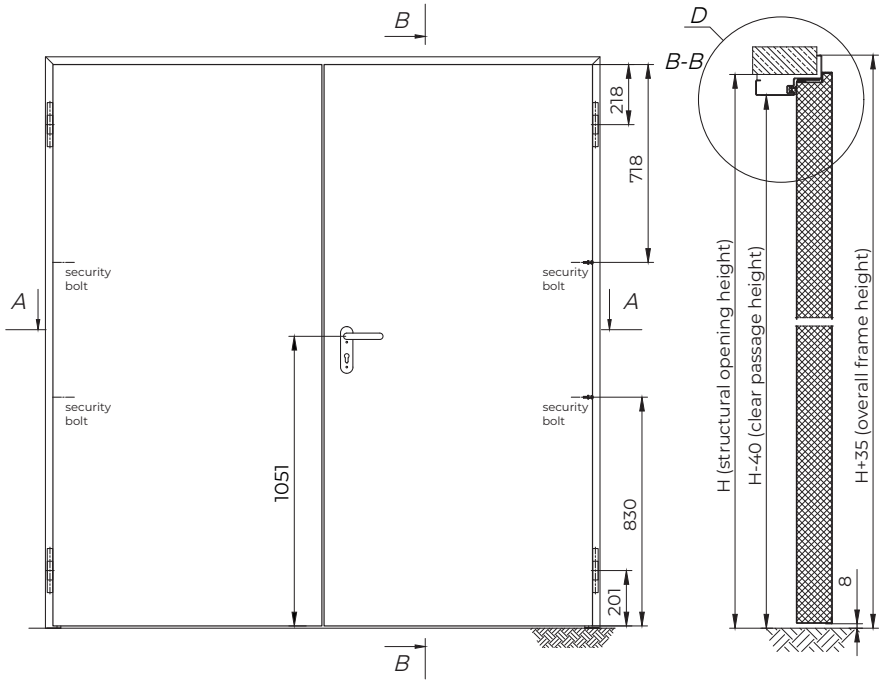
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

STEEL CORNER FRAME

→ front view and cross section



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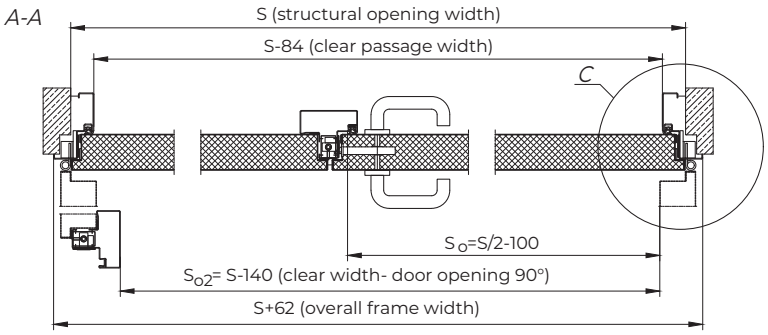
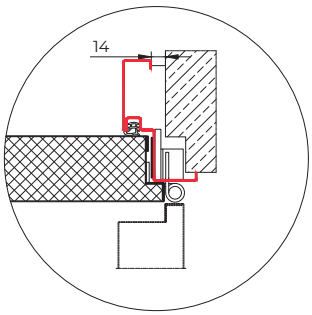


→ detail C



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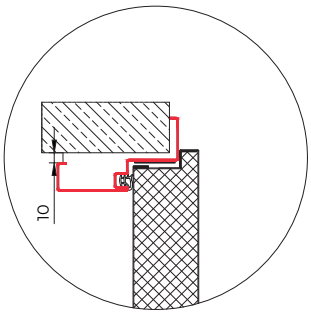
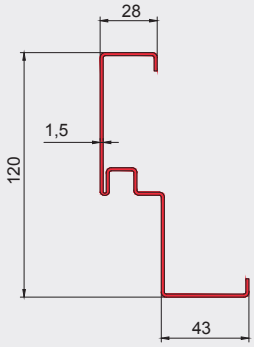


→ **calculation of wall opening versus clear opening for the corner door frames:**



→ sizes of corner steel door frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

corner frame	**without** thermal break	1,6

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

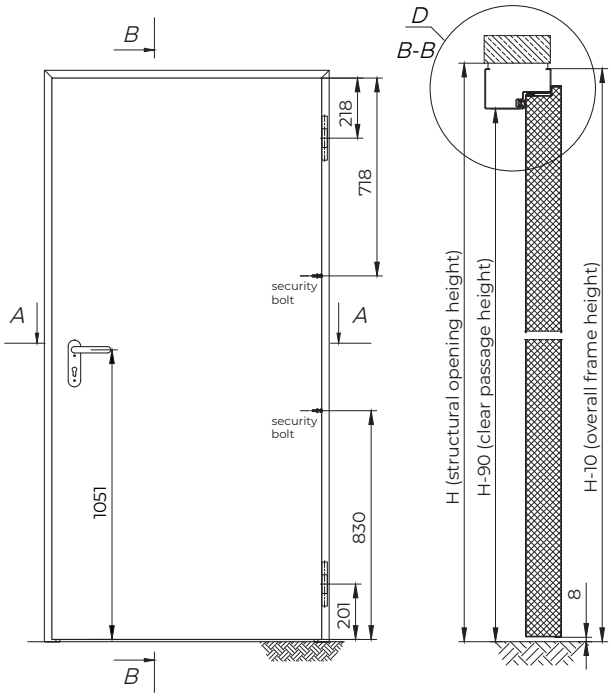
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

STEEL BLOCK FRAME

→ front view and cross section



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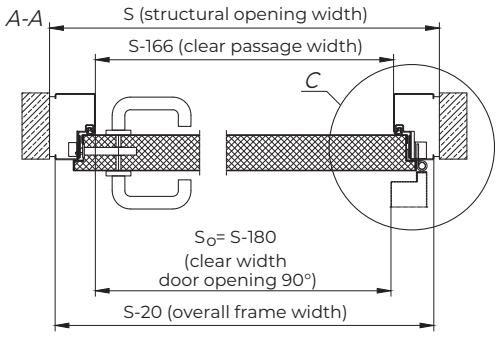
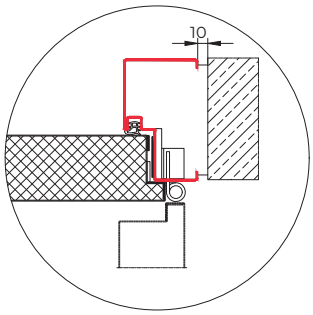
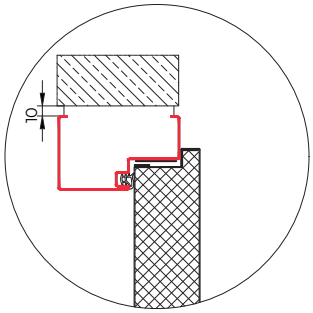


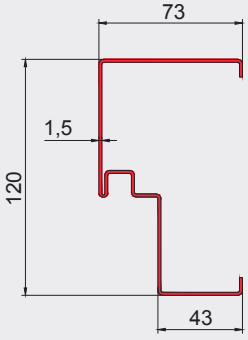
→ detail C



→ detail D



→ **calculation of wall opening versus clear opening for the block frames:**



→ sizes of block steel door frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

block frame	**without** thermal break	1,6

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

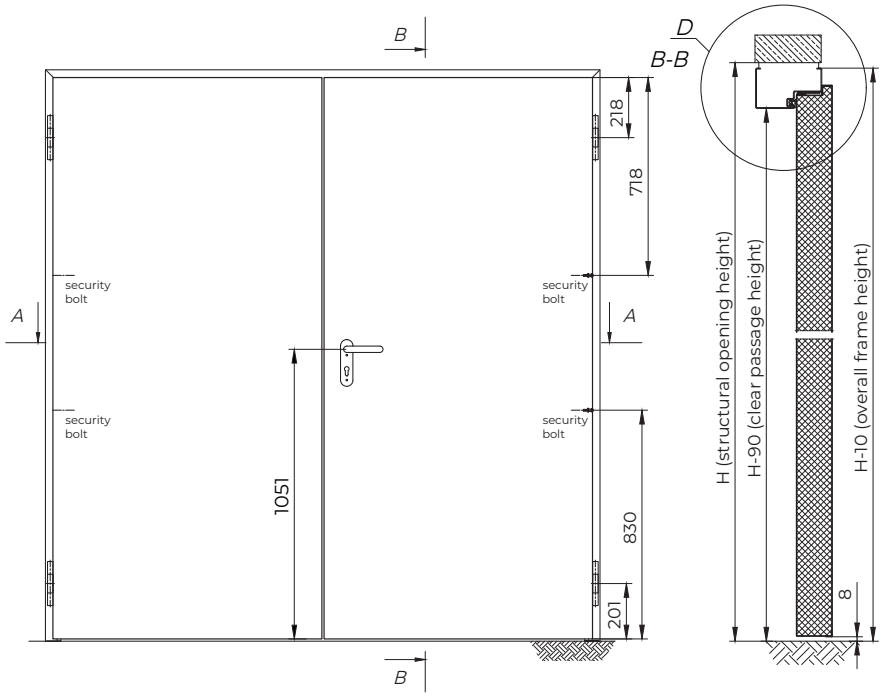
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

STEEL BLOCK FRAME

→ front view and cross section



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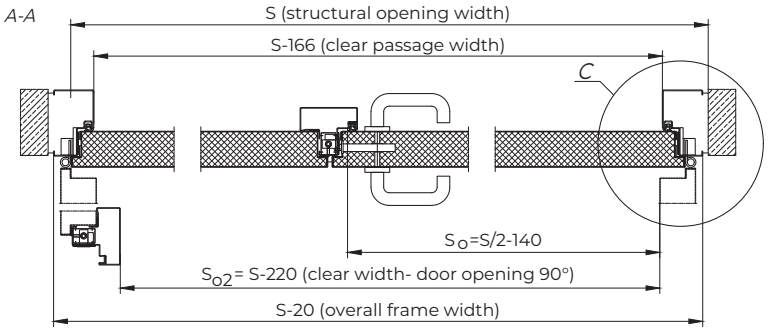
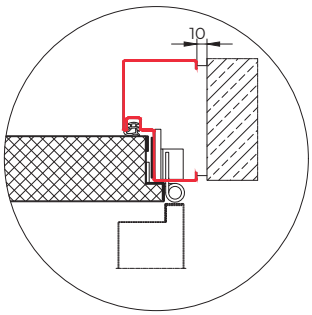


→ detail C



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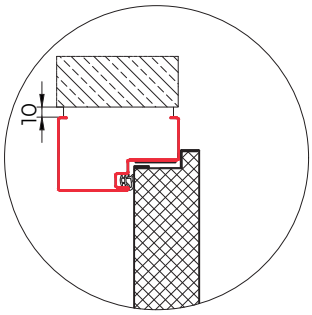
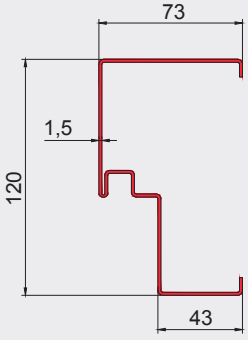


→ **calculation of wall opening versus clear opening for the block frames:**



→ sizes of block steel door frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

block frame	**without** thermal break	1,8

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

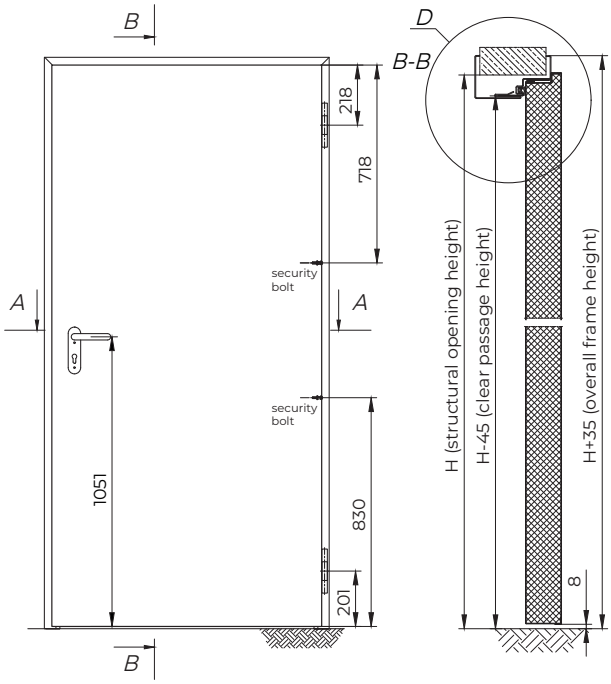
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

STEEL EMBRACING FRAME

→ front view and cross section



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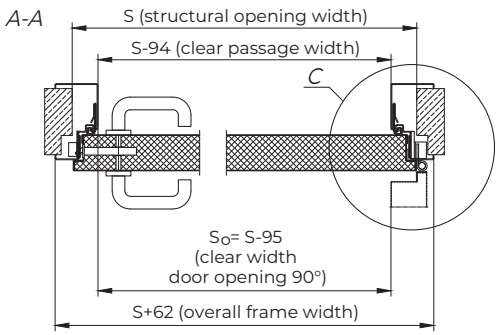

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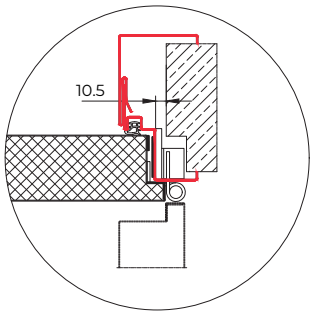

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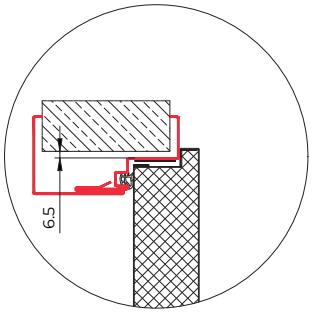
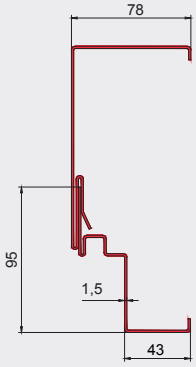


→ **calculation of wall opening versus clear opening for the embracing door frames:**



→ sizes of embracing steel door frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

wall embracing frame	**without** thermal break	1,3

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

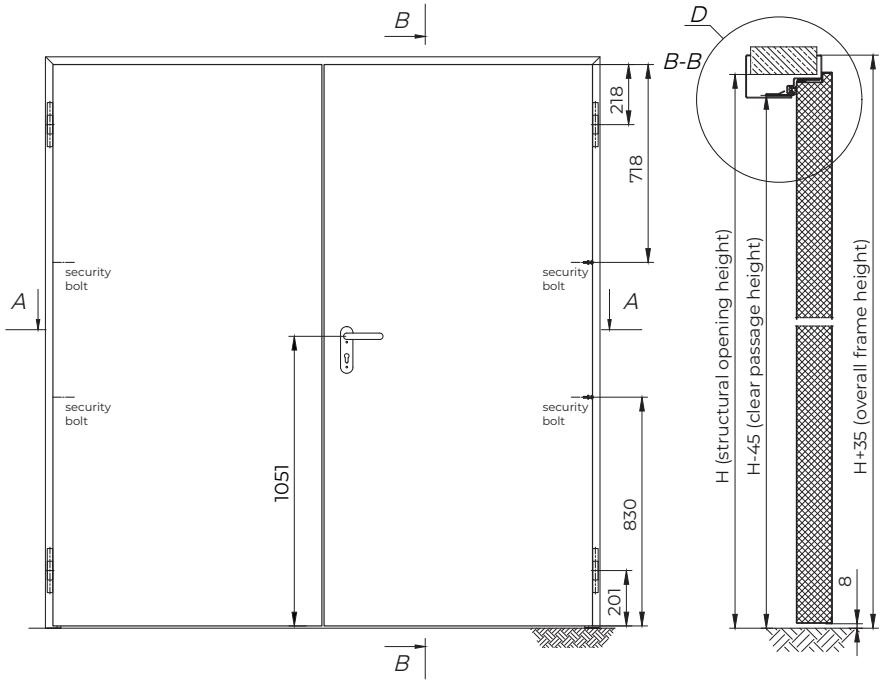
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

STEEL EMBRACING FRAME

→ front view and cross section



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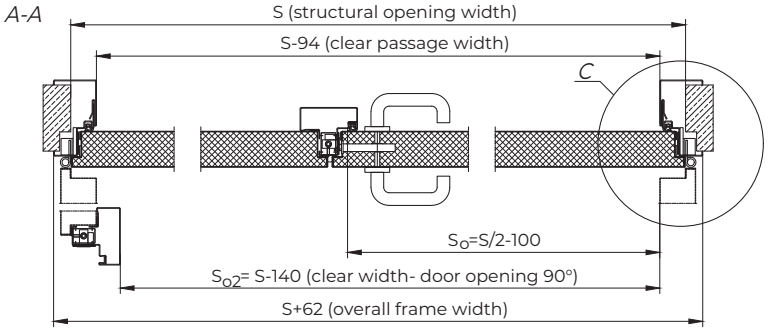
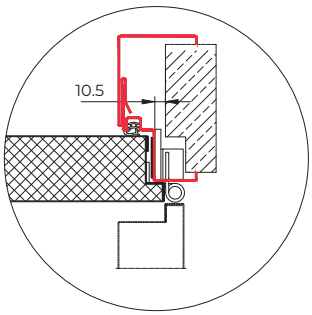


→ detail C



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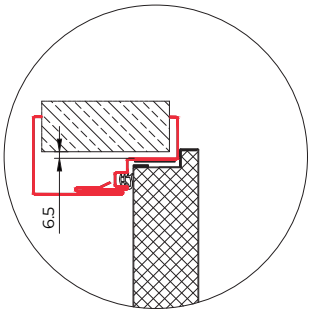
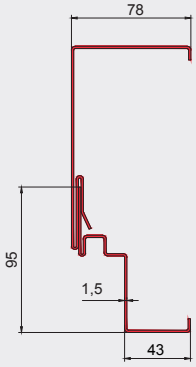


→ **calculation of wall opening versus clear opening for the embracing door frames:**



→ sizes of embracing steel door frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

wall embracing frame	**without** thermal break	1,6

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

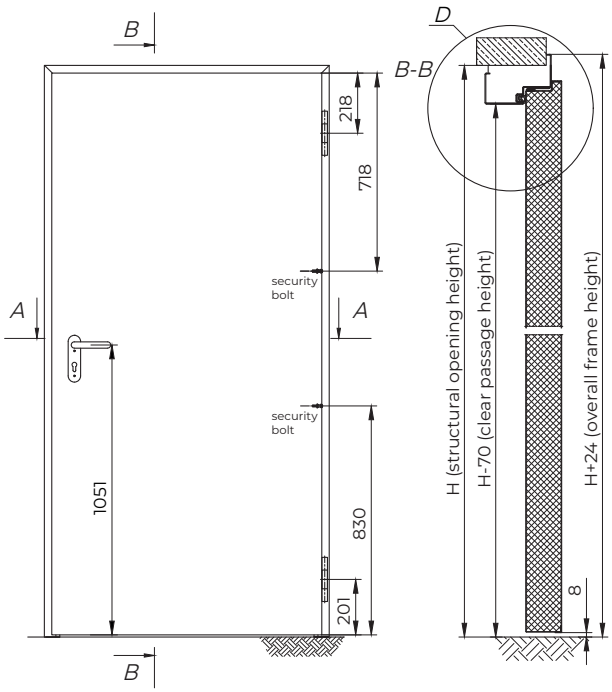
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

HYBRID FRAME (60N)

→ front view and cross section



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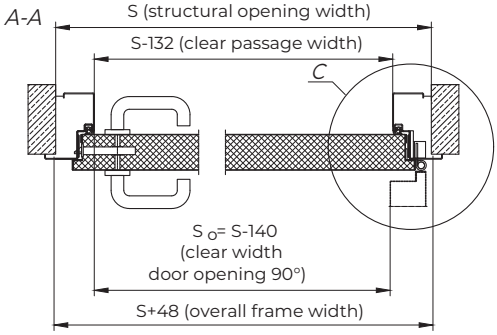
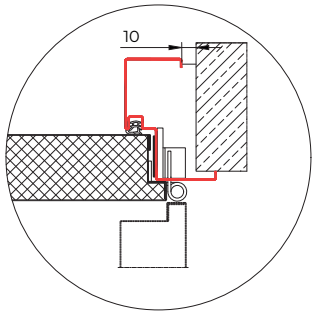
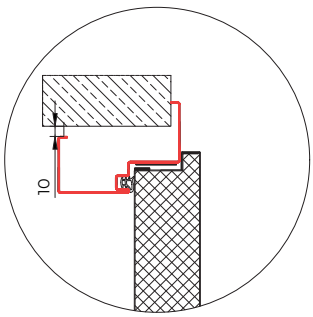


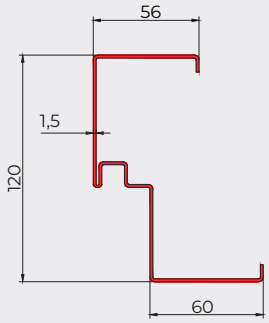
→ detail C



→ detail D



→ **calculation of wall opening versus clear opening for the hybrid door frames:**



→ hybrid steel frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

hybrid frame	**without** thermal break	1,3

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

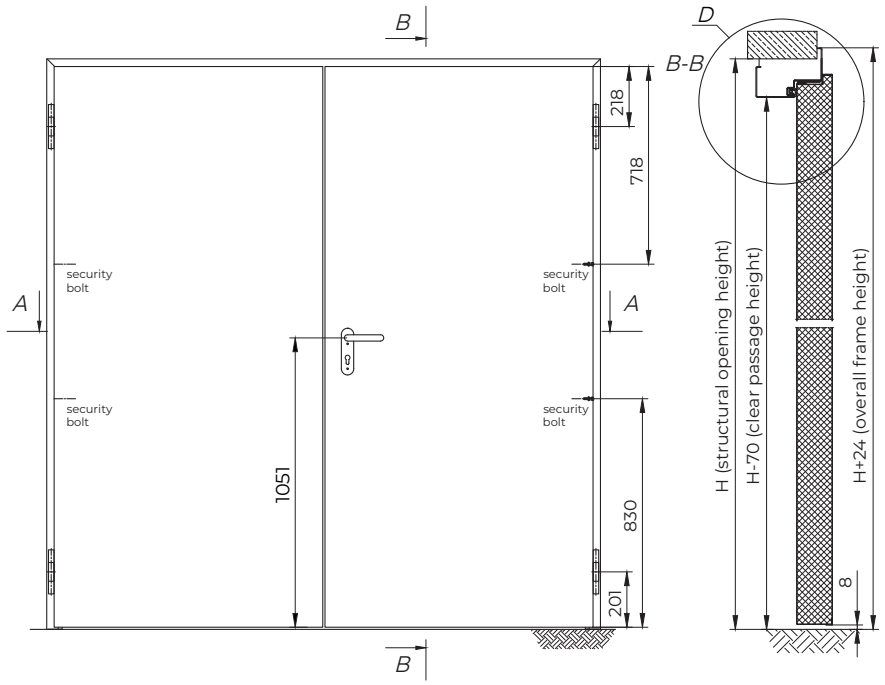
→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP

HYBRID FRAME (60N)

→ front view and cross section



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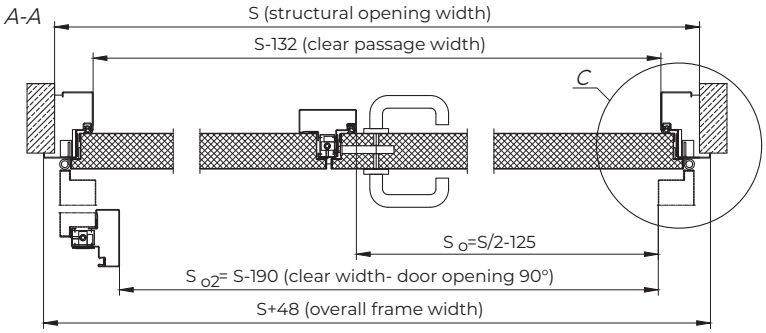
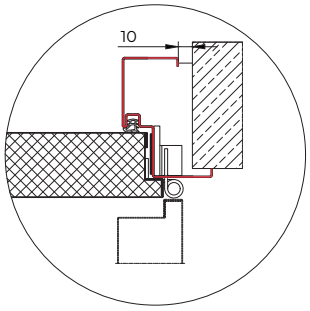
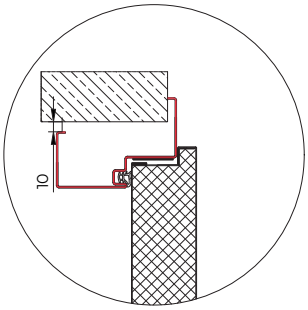


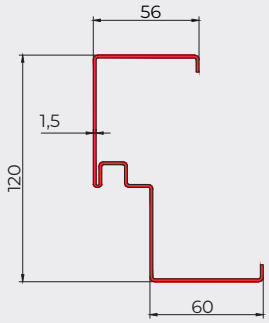
→ detail C



→ detail D



→ **calculation of wall opening versus clear opening for the hybrid door frames:**



→ hybrid steel frame

NOTE! door frame and installation gap to be duly filled, in accordance with certificate

→ **heat transfer coefficient Ud [W/m²K]**

hybrid frame	**without** thermal break	1,6

- automatic dropping gasket obligatory
- ventilation grill non applicable for doors with declared thermal insulation coefficient
- U value not calculated for doors equipped with glass vision panel

→ **acoustic insulation coefficient - on request (acoustic inlet)**

acoustic insulation Rw (C; Ctr)	
door without glass vision panel	42 (-1; -4)
door with glass vision panel	n.p.d.

- automatic dropping gasket obligatory for acoustic doors
- ventilation grill non applicable for acoustic doors
- glazing type and dimensions according to the relevant DoP