# 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-482 (KIWA)

**Complemented with relevant Declaration of Performance**

- **Certified also by:**
  Efectis France, Efectis Nederland,
  GTC in Lithuania
- **Certified for burglary resistance**
  Classification of Parameters
  MLTB-4864-2023

**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
- reinforced stainless steel lever handle-handle set U-form on long shield; tested against burglary
- PZ cylinder class 4C according to EN 1303, 6 keys
- 2 pcs of safety pins (in case of 3 hinges – 1 pc of safety pin)
- temporary-affixed steel bar threshold – for transportation only

## ALTERNATIVE EQUIPMENT

- door frame: block, embracing or other type

## ADDITIONAL EQUIPMENT

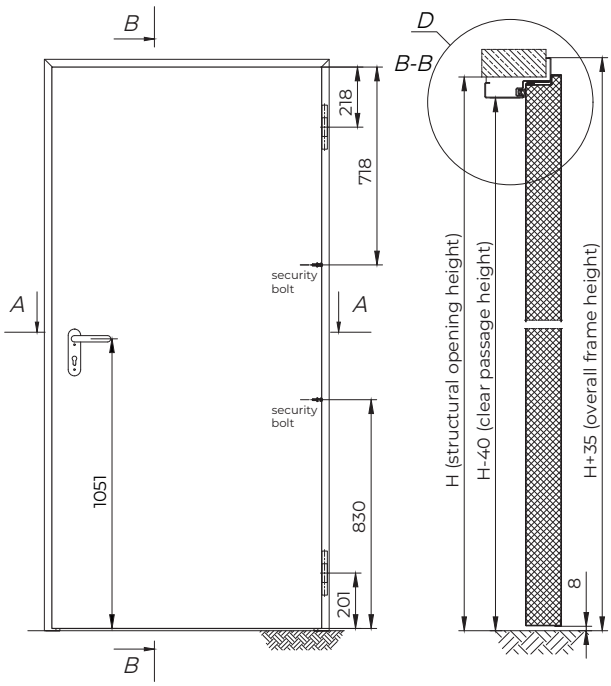
- panic locks, solenoid or others
- ironmongery: knobs, panic bars
- electric strike plates, magnet locks, magnet contacts
- glass vision panel, rectangular
- smoke resistant gasket ($S_{a4}$, $S_{200}$)
- automatic dropping gasket
- rain drip cap on door frame and/or on lower part of door leaf
- door closers
- alternative equipment and other door features on request

## TECHNICAL PARAMETERS

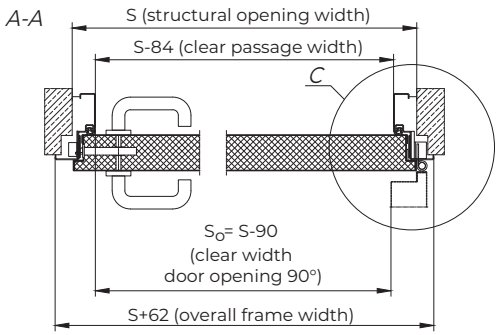
- feature RC2 according to EN 1627
- basic features
  - mechanical resistance: class 3 (optional up to 4) according to standard EN 1192
  - mechanical durability: class 5 according to standard EN 16034 (200 000 cycles)
  - corrosion class: C3 (optional C5) according to standard EN ISO 12944
- optional: other classifications
- other functional features – according to relevant Declaration of Performance

# STEEL CORNER FRAME

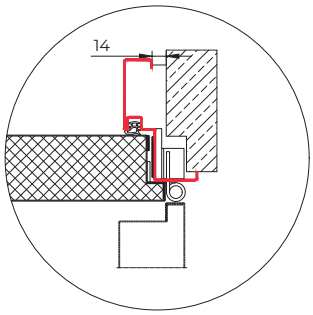
→ front view and cross section



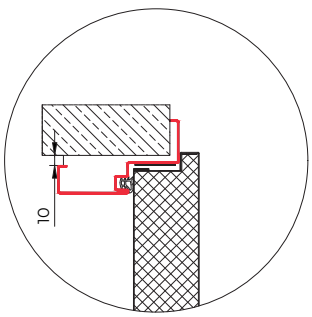

range of equipment and necessary wall treatment (cut-outs) **are shown on separate data sheets**



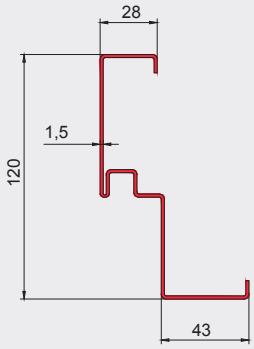

→ detail C




→ 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

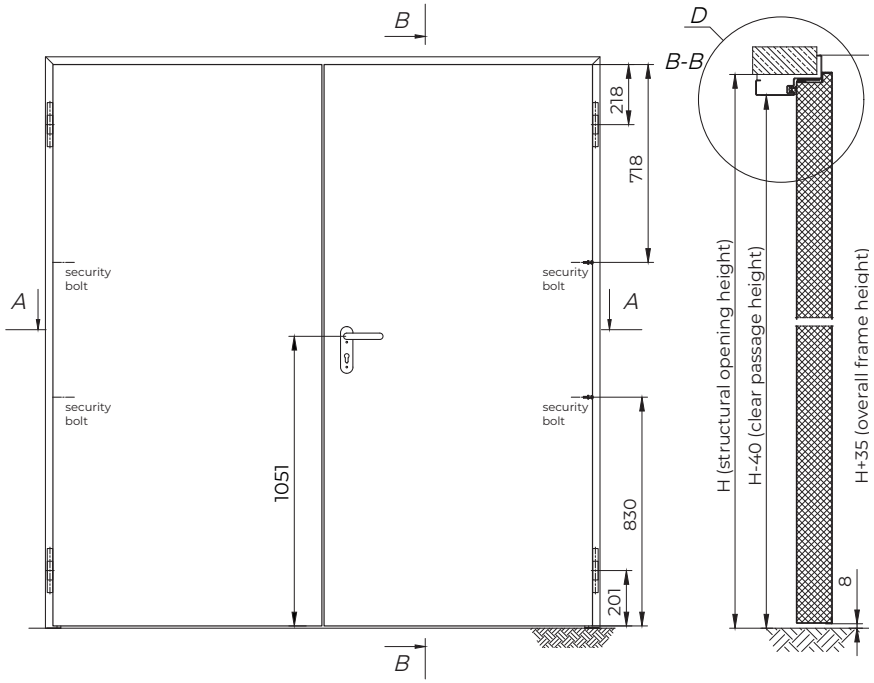
→ **acoustic insulation coefficient - on request (acoustic inlet)**

| 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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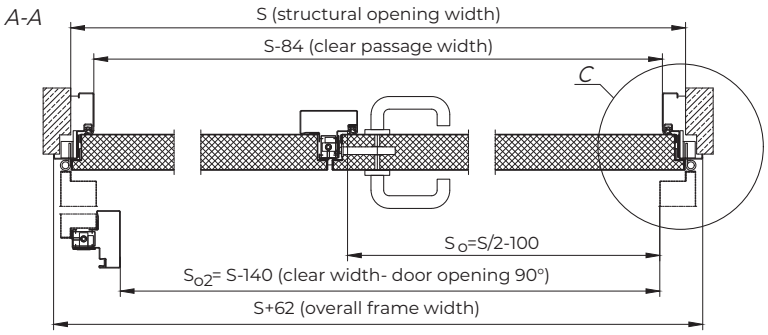
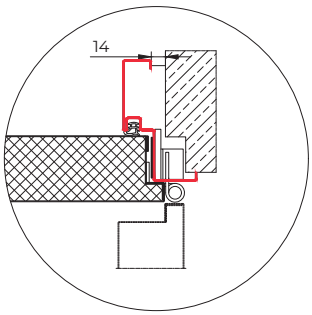



→ detail C

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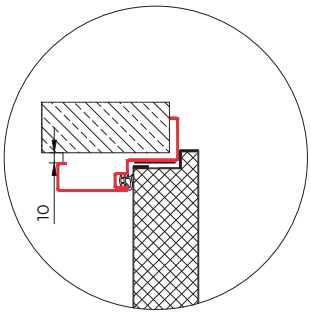
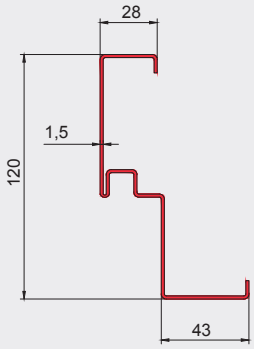



→ **calculation of wall opening versus clear opening for the corner door frames:**




→ 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

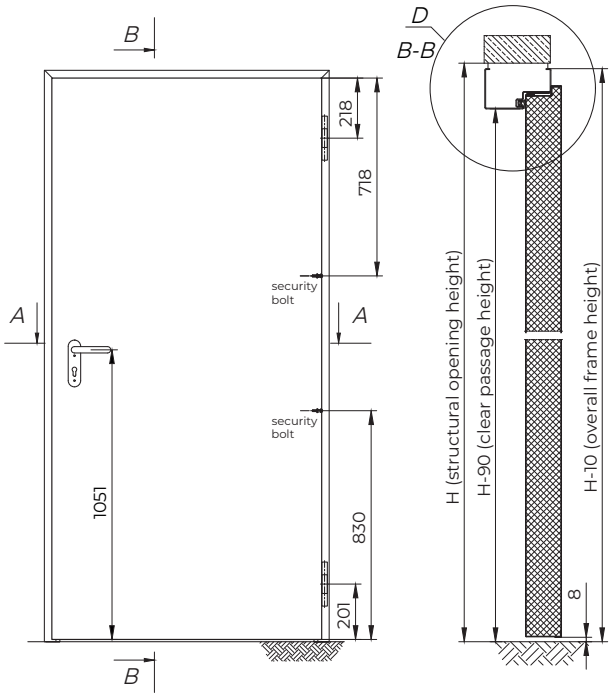
→ **acoustic insulation coefficient - on request (acoustic inlet)**

| 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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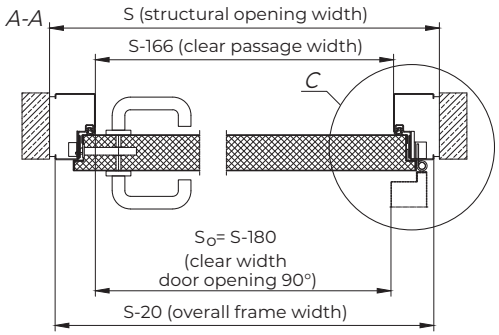


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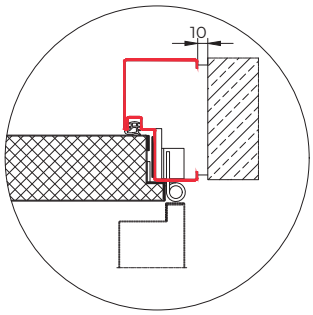
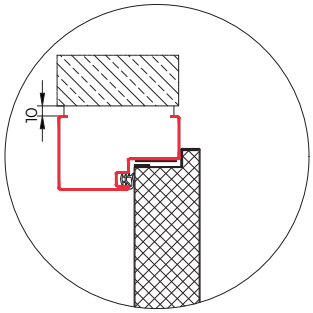
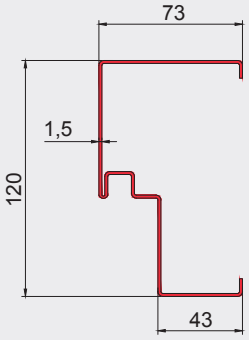



→ detail D




→ **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

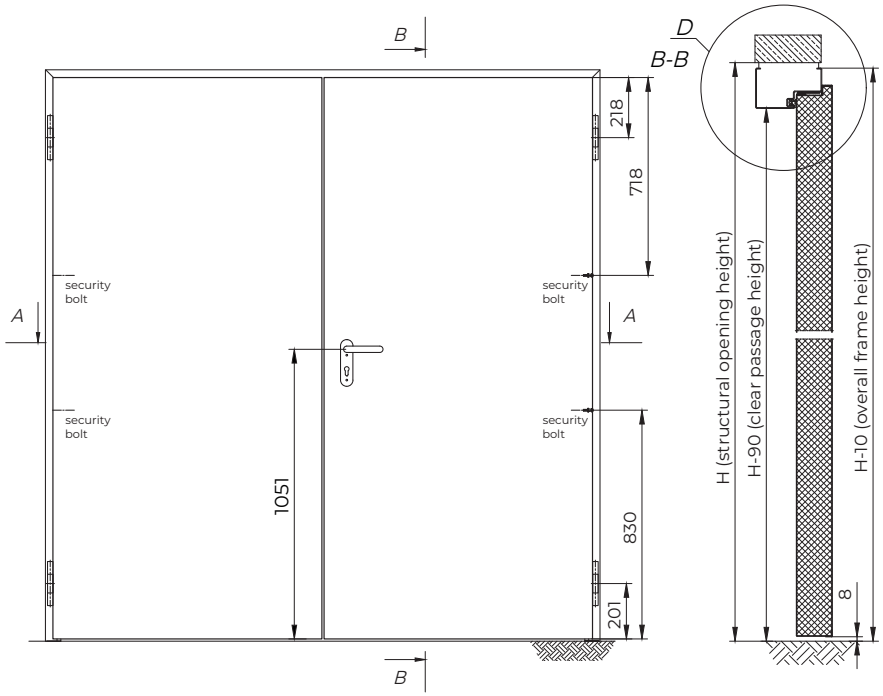
→ **acoustic insulation coefficient - on request (acoustic inlet)**

| 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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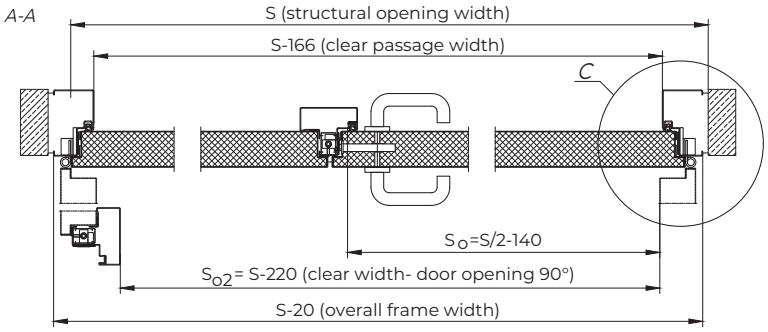
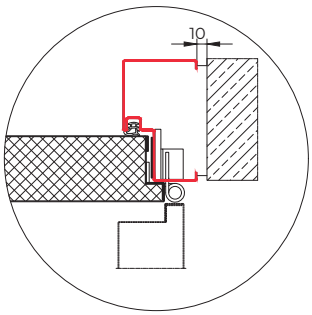



→ detail C

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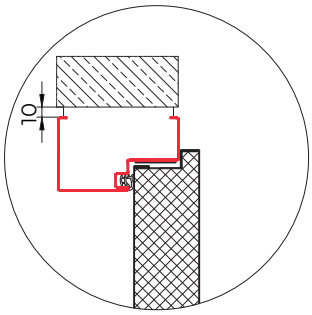
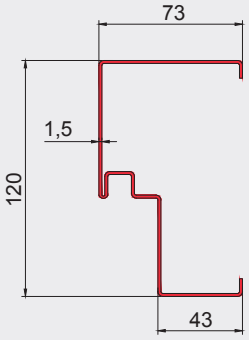



→ **calculation of wall opening versus clear opening for the block frames:**




→ 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
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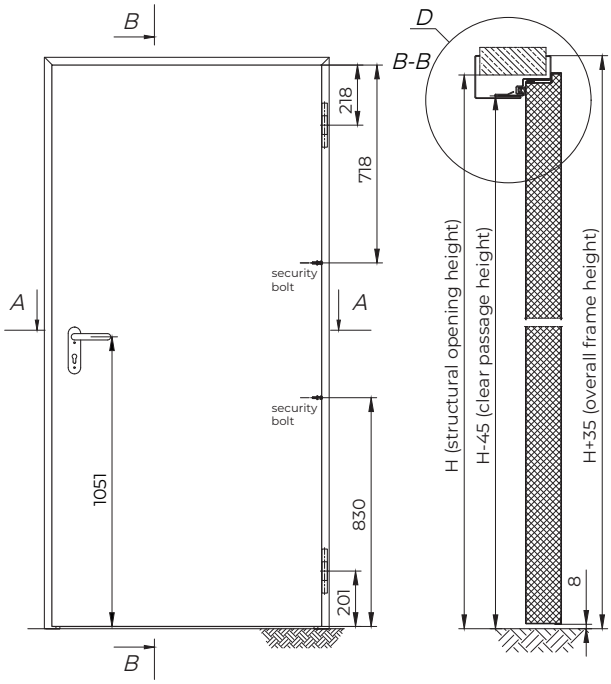
- glazing type and dimensions according to the relevant DoP

# STEEL EMBRACING FRAME

→ front view and cross section

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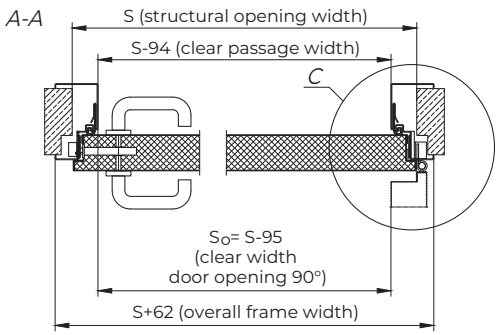
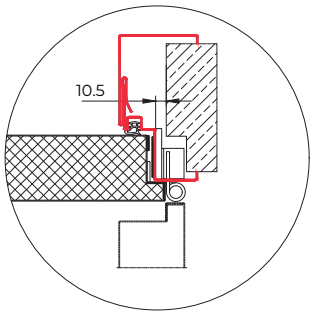
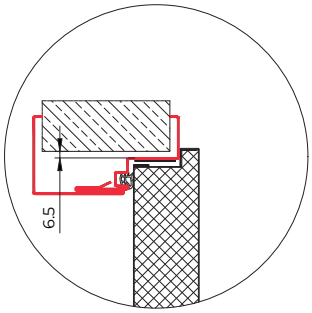


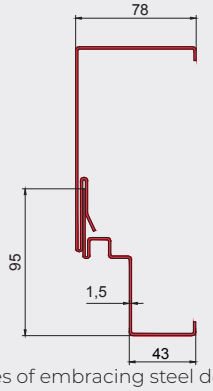

→ detail C




→ detail D




→ **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

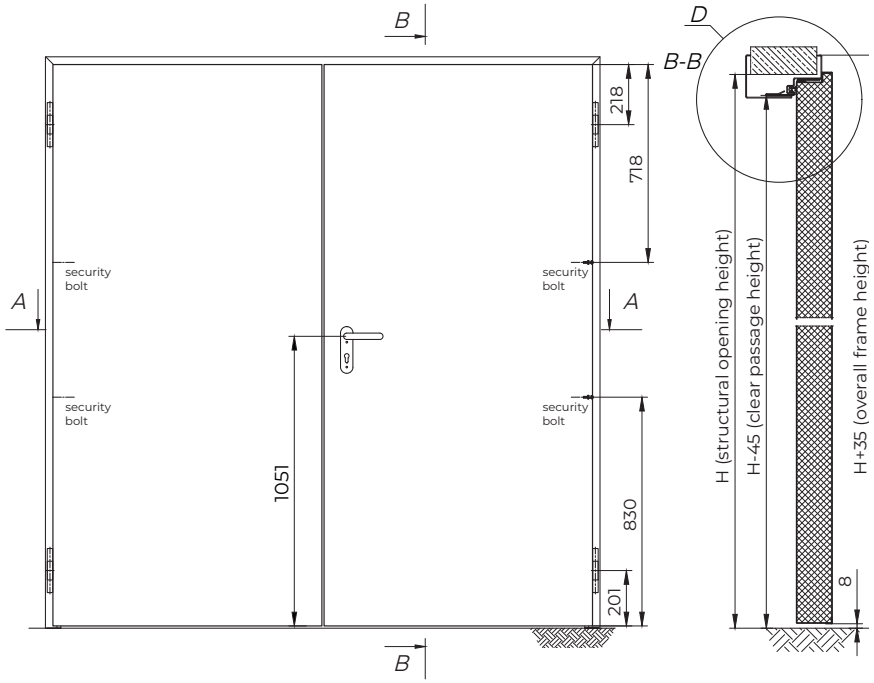
→ **acoustic insulation coefficient - on request (acoustic inlet)**

| 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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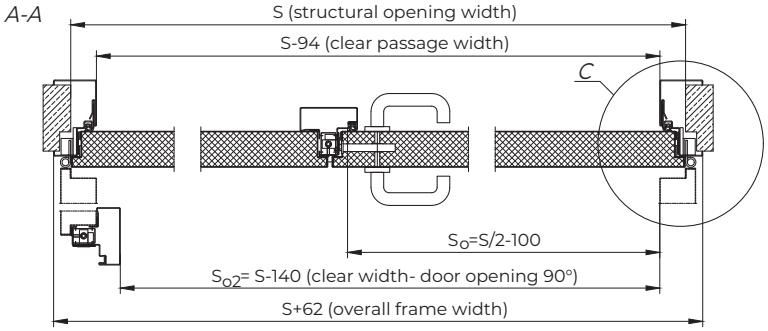


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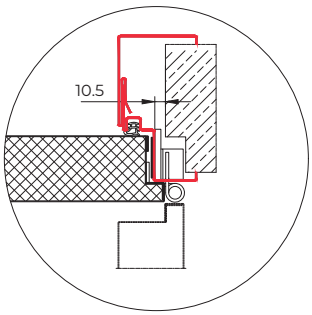


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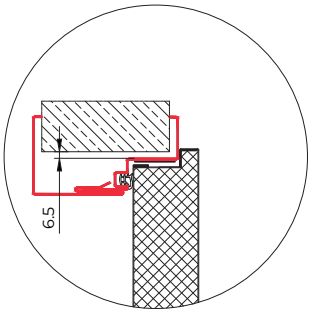
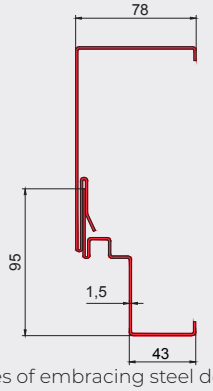



→ **calculation of wall opening versus clear opening for the embracing door frames:**




→ 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 | 1,6 |

- 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

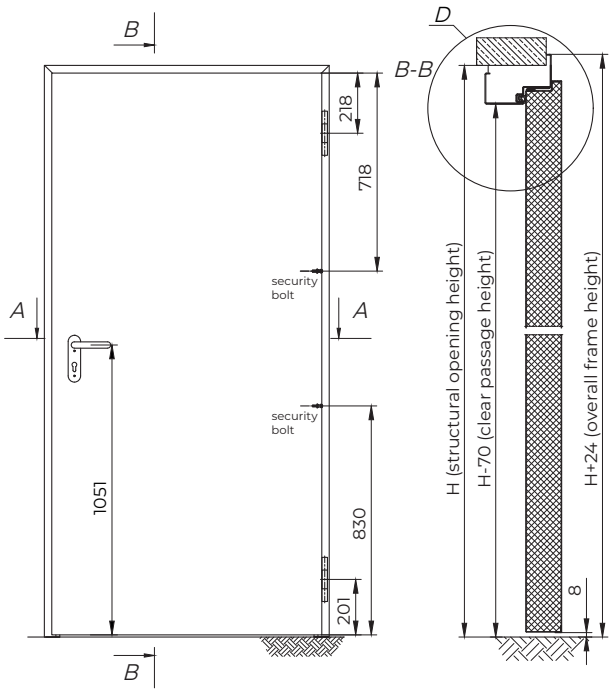
→ **acoustic insulation coefficient - on request (acoustic inlet)**

| 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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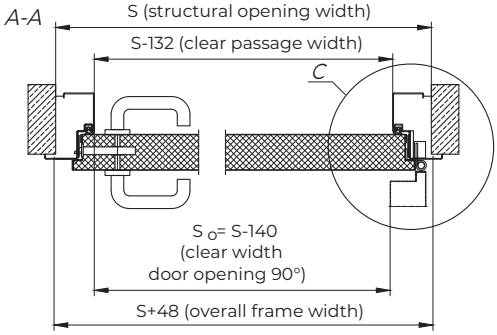


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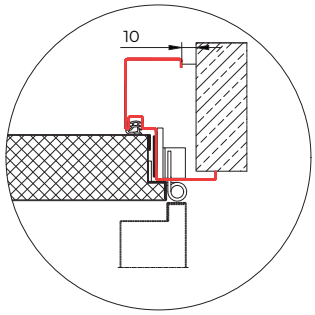
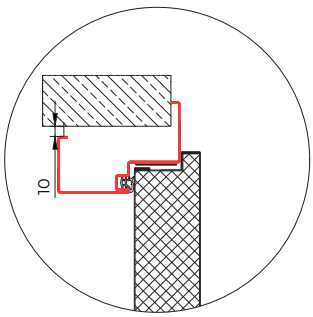
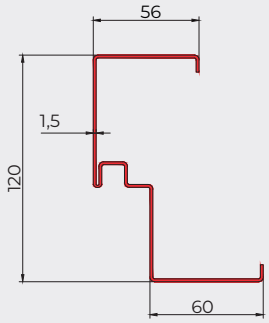



→ detail D




→ **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

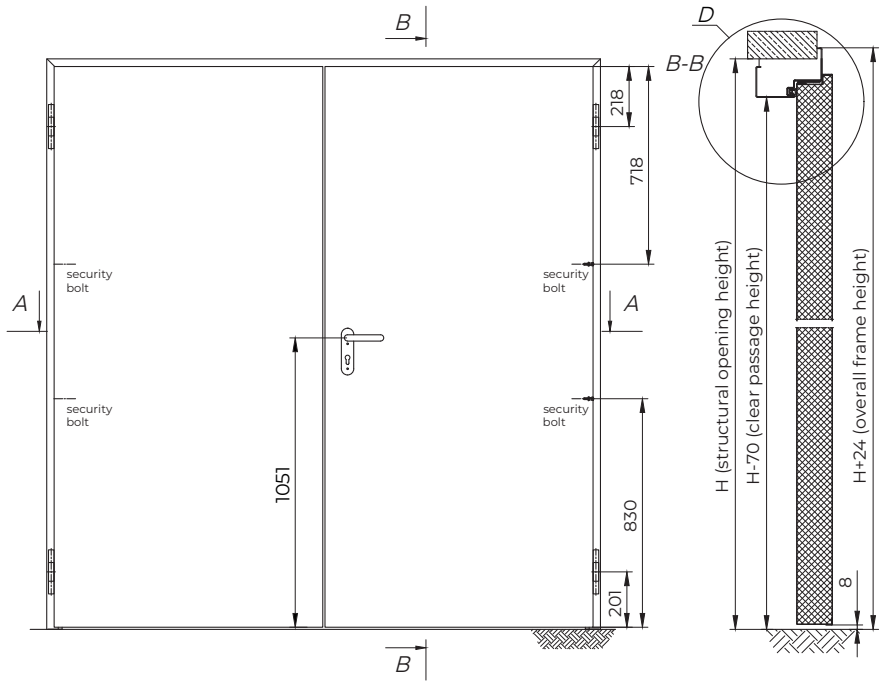
→ **acoustic insulation coefficient - on request (acoustic inlet)**

| 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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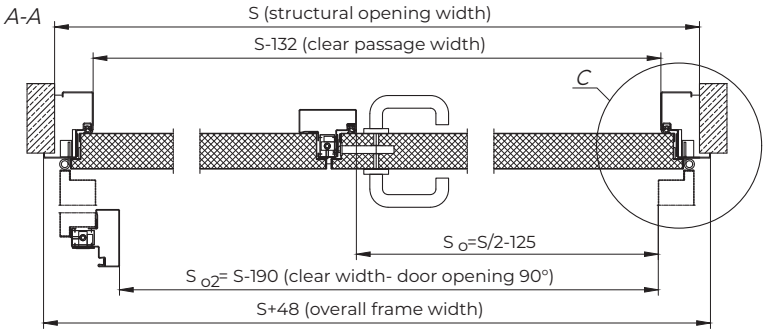


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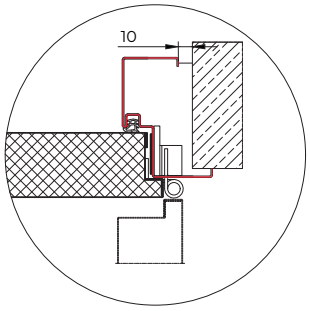
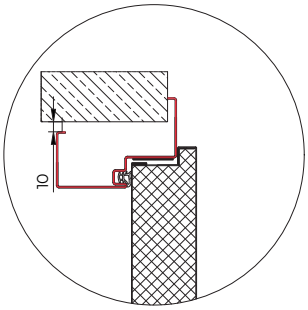
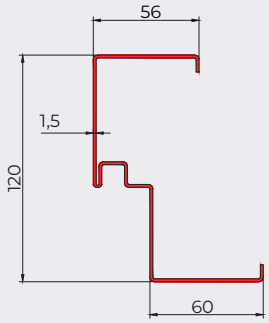



→ detail D




→ **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