



# RC5 | SINGLE & DOUBLE HINGED DOOR

FTHE 0023 | Burglary resistance RC5 (in accordance with EN 1627-1630)

Burglary resistance

Tests carried out by the CNPP

**All Heinen doors are constructed on the basis of the METAL+ concept, lending them superior basic performance standards.**

## Basic performance features of the RC5 door



**Burglary resistance (EN 1627-1630)**  
RC5



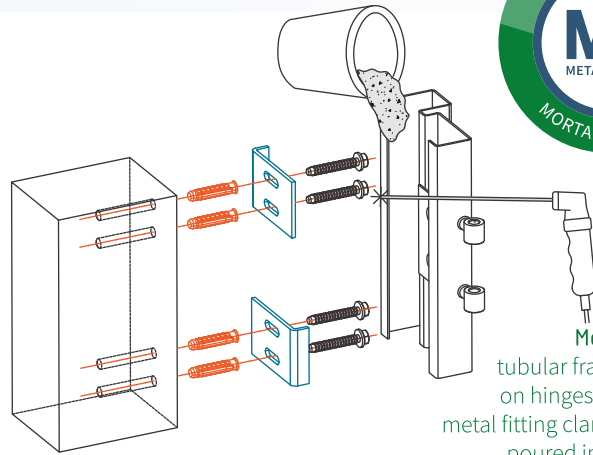
**Frequency of use**  
200,000 open/close cycles



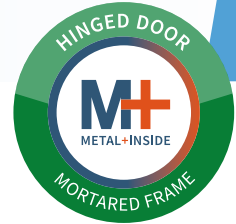
**Mechanical resistance**  
M4 (maximum normative level)



**Service life of the door**  
15-year warranty on the door set



**Metal+ construction:**  
tubular framework, screwed on hinges and metal sheets, metal fitting clamps to be welded, poured into sealing mortar.



## With automatic Kältefeind threshold



**Acoustic performance**  
Basic soundproofing:  
- single door RW = 36dB



**Airtightness**  
- single door minimum L2

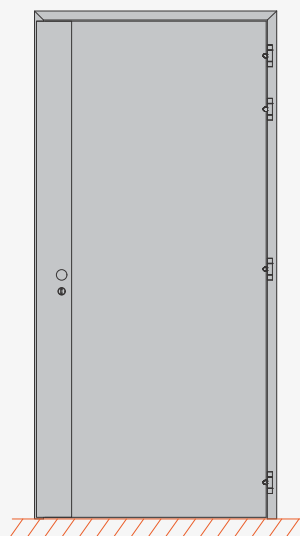


**Thermal insulation**  
Value between 1.7 and 1.9 W/m<sup>2</sup>K (depending on dimensions)

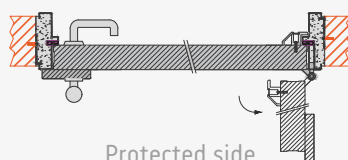
**Possible combinations:** ● Fire resistance ● Acoustic performance ● Bullet-proof ● Smoke tightness ● Thermal insulation  
● Anti-panic ● Free exit

## CROSS-SECTION RC5 DOOR BURGLARY RESISTANCE HINGE SIDE (DRHE 0023a)

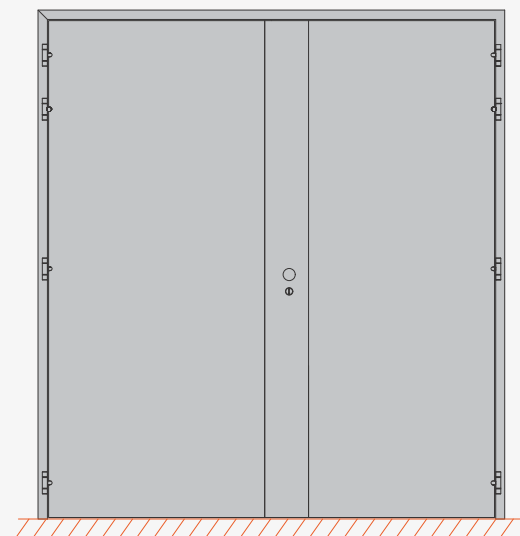
(also available with burglary resistance non-hinge site: DRHE 0023b).



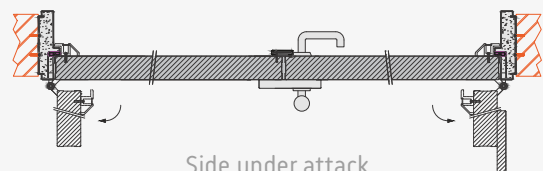
Side under attack



Protected side



Protected side



Side under attack

## DOOR DIMENSIONS *(always customised)*

### Single door

| Maximum dimensions | Width | Height |
|--------------------|-------|--------|
| Leaf               | 1300  | 3000   |
| Opening            | 1410  | 3078   |

| Minimum dimensions | Width | Height |
|--------------------|-------|--------|
| Leaf               | 780   | 1100   |
| Opening            | 890   | 1178   |

#### Calculation of clear passage (excluding combinations) side under attack hinge side:

FP 180° = Width of opening - 140

FP 90° = Width of opening - 255

FP = Height of opening - 90

#### Calculation of clear passage (excluding combinations) side under attack non-hinge side:

FP 180° = Width of opening - 140

FP 90° = Width of opening - 245

FP = Height of opening - 90

Construction support with a minimum thickness of 100 mm.

On request, larger / smaller doorsets are also available without a certificate, this is also valid for the wall thicknesses.

### Double door

| Maximum dimensions | Width | Height |
|--------------------|-------|--------|
| Leaf               | 1300  | 3000   |
| Opening            | 2720  | 3078   |

| Minimum dimensions | Width | Height |
|--------------------|-------|--------|
| Leaf               | 780   | 1100   |
| Opening            | 1680  | 1178   |

#### Calculation of clear passage (excluding combinations) side under attack hinge side:

FP 180° = Width of opening - 140

FP 90° = Width of opening - 360

FP = Height of opening - 90

#### Calculation of clear passage (excluding combinations) side under attack non-hinge side:

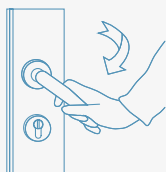
FP 180° = Width of opening - 140

FP 90° = Width of opening - 340

FP = Height of opening - 90

## SECURITY LOCKS

### Mechanical systems



**Security** (3 points)

**Self-Security** (1 point)



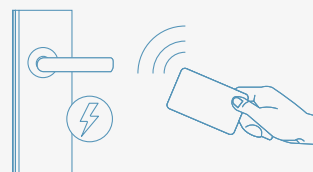
*Fail secure: operation by power supply.*

*Fail safe: operation by power cut.*

Manual  
locking

Automatic  
locking

### Electrical systems with automatic locking



**Overlock** (in combination with Self-Security 1 point).  
Controlled entry: Fail secure.  
Free exit or controlled exit (Fail secure).

#### BB-LOCKS serie A1 SA / SX / SE

*Only suitable for hinge-side attack.*

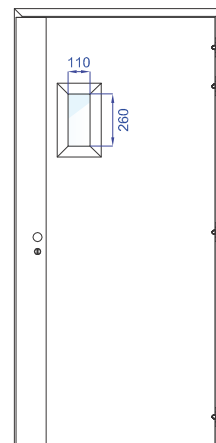
Controlled entry: Fail safe (SA) or Fail secure (SX et SE). Controlled exit: Fail safe (SA) or Fail secure (SX and SE). With an Adjustable Striker Plate.

Solenoid  
locks

Motorised  
locks

## WINDOW CONFIGURATIONS

Solid door with peephole as an option.



## DETAILS OF MAIN COMBINATIONS



### Fire resistance (single door only)

Tests carried out by the fire resistance testing laboratory at the University of Liège.  
EI1-30 - EI1-60  
EI2-30 - EI2-60



### Bullet-proof

Tests carried out by the Banc National d'Épreuve, Saint Étienne.  
FB4 - FB5 - FB6  
AK47



### Acoustic performance

Tests carried out by the testing laboratory at the University of Liège.  
Soundproofing (Rw) up to 54 dB.  
Standard lock, double Shall-Ex, brushes.



### Thermal insulation

Up to 1.5 W/m²K possible, with thermal break



### Anti-panic

Pushbar or handle.



### Smoke tightness

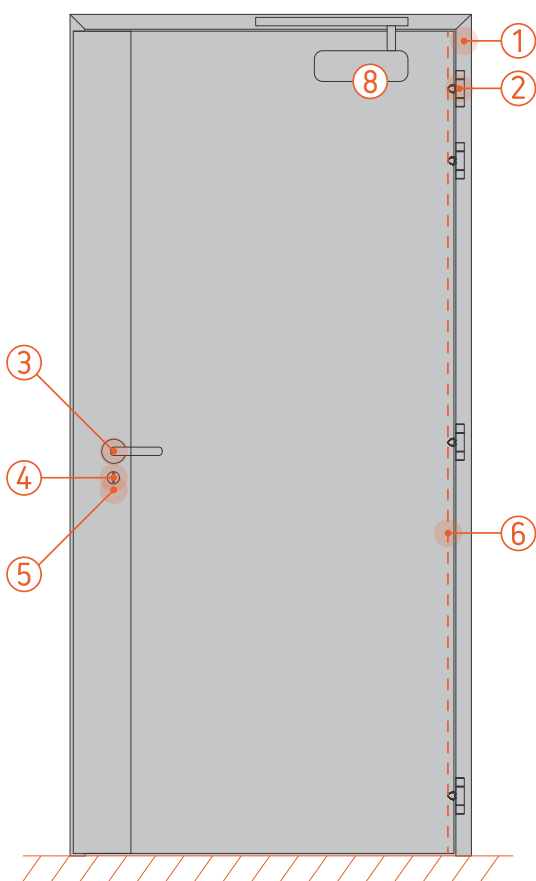
Sa, Sm (S200).  
Doorbottom seal: contact us.



### Free exit

Cannot be combined with glazing.

## FITTINGS *(Side under attack: hinge side)*



### BASIC FITTINGS

- 1 | **Door frame and leaf finish**  
Magnelis® Hot-dip galvanised ZM 250 steel (250g/m², 20µm thick).
- 2 | **Hinges**  
Minimum four screwed steel hinges, adjustable and replaceable.
- 3 | **Handles**  
A set of two U-shaped aluminium handles.
- 4 | **Europrofil cylinder**  
EN 1627 compliant (class 6.2 in accordance with EN 1303).
- 5 | **Backplate**  
Protection rotor.
- 6 | **Security stud system**  
Burglary resistance hinge side: security stud profiles, all heights.  
Burglary resistance non-hinge side: not necessary.
- 7 | **Lock**  
Self Security 1 point.

### OPTIONAL FITTINGS

- 1 | **Door frame and leaf finish**  
Stainless steel 304, 316 or RAL paint.
- 2 | **Hinges**  
One or more hinges can be added; these are always adjustable and replaceable.  
Stainless steel.
- 3 | **Handles**  
Handles, doorknobs, pull handles etc. in aluminium or stainless steel.
- 8 | **Door closer**  
With scissor arm or sliding arm, fitting on the hinge or non-hinge side, invisibly integrated door closer, open position maintained etc.
- 9 | **Security locks**  
Security locks.
- 10 | **Remote surveillance**  
Remote surveillance. Indication of leaf position, locking latch position, indication of leaf status.
- 11 | **Various options**  
Soundproof doorsills, door stops, storm chains, impact plates and many other fittings.



Heinen doors can combine performance features on a bespoke basis. Depending on your needs, one or more performance features are added to the basic, robust Metal+ door. Some performances are only available with the welded and mortar filled installation method.



Fire resistance



Burglary  
resistance



Acoustic  
performance



Bullet-proof



Blast-proof



Electromagnetic



Anti-panic



Smoke  
tightness



Thermal  
insulation



Airtightness



Watertightness



Wind  
resistance



[www.heinen-doors.com](http://www.heinen-doors.com)

For BIM files, please consult us. Our products are certified **CE**

Heinen product sheet | RC5 | SINGLE & DOUBLE HINGED DOOR | 2024-02-27\_FTHe 0023 - V14EN

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