



RC3 | SINGLE & DOUBLE HINGED DOOR

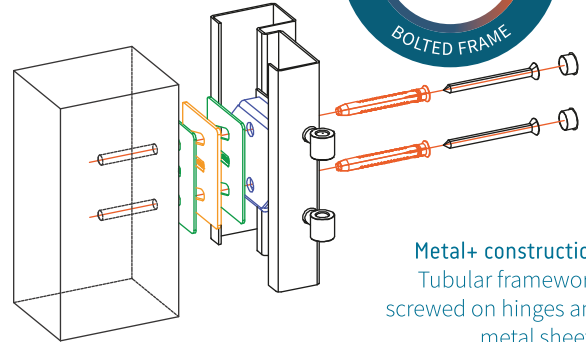
FTHE 0121 | Burglary resistance RC3 (in accordance with EN 1627-1630)

Burglary resistance

Certificat delivered by the CNPP



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



Metal+ construction:
Tubular framework,
screwed on hinges and
metal sheets.
Screwed installation.

Basic performance features of the RC3 door

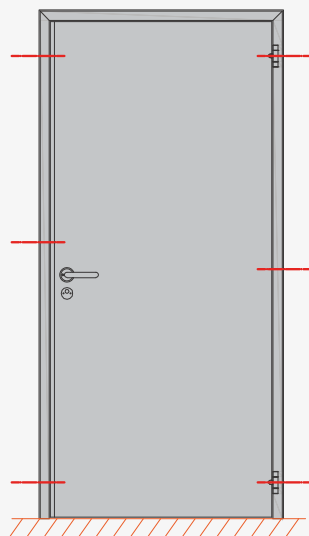
- Burglary resistance (EN 1627-1630)**
RC3
- Frequency of use**
500,000 open/close cycles
- Service life of the door**
10-year warranty on the door set
- Airtightness**
- single door minimum L2
- double door minimum L2 (with door closer)
- Thermal insulation**
Value between 1.7 and 1.9 W/m²K (depending on dimensions)

Possible combinations:

● Fire resistance ● Anti-panic ● Smoke tightness ● Thermal insulation

CROSS-SECTION RC3 DOOR BURGLARY RESISTANCE HINGE SIDE (DRHE 0121a)

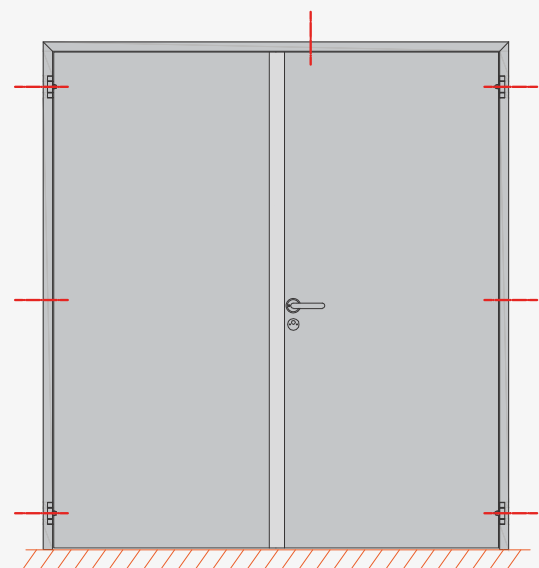
(also available with burglary resistance non-hinge side: DRHE 0121b).



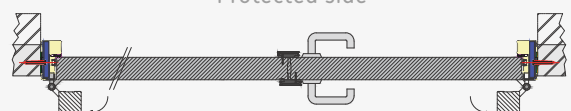
Protected side



Side under attack



Protected side



Side under attack

DOOR DIMENSIONS *(always customised)*

Single door

Maximum dimensions	Width	Height
Leaf	1450	3035
Opening	1550	3088

Minimum dimensions	Width	Height
Leaf	700	600
Opening	800	653

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening - 130

FP 90° = Width of opening - 200

FP = Height of opening - 65

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	1450	3035
Opening	3010	3088

Minimum dimensions	Width	Height
Leaf	400	900
Opening	910	953

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening - 130

FP 90° = Width of opening - 270

FP = Height of opening - 65

SECURITY LOCKS

Mechanical systems

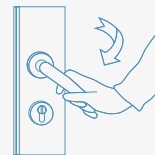
Security (1 and 3 points)

Anti-panic (1 and 3 points)

ABLOY EL160, **EL360**

Self-Security (1 and 3 points)

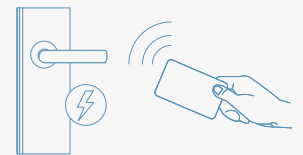
Dorma PHA 2500



Manual locking

Automatic locking

Electrical systems with automatic locking



ABLOY EL560, **EL561**

Controlled entry: Fail safe or Fail secure.
Free anti-panic exit or controlled exit (Fail idem entry side).

Overlock (in combination with Self-Security 1 or 3 points).

Controlled entry: Fail secure.
Free anti-panic exit or controlled exit (Fail secure).

ABLOY EL518, **EL520**

Controlled entry: Fail secure.
Free anti-panic exit or controlled exit (Fail secure).

ABLOY EL532

Controlled entry: Fail secure.
Controlled exit: Fail safe.

BB-LOCKS serie A1 HX/HE

Controlled entry: Fail secure.
Free exit, EN179 (handle) or EN1125 (Push-bar)
With an Adjustable Striker Plate.

BB-LOCKS serie A1 SA/SX/SE

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

Solenoid locks

Motorised locks

ABLOY®

DORMA



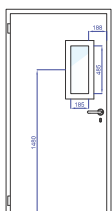
Fail secure: operation by power supply.

Fail safe: operation by power cut.

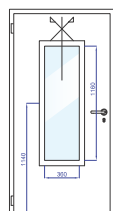
WINDOW CONFIGURATIONS

Solid or glazed. Combining anti-panic with glazing upon request.

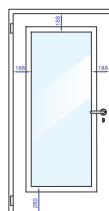
TYPE 1



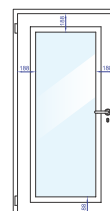
TYPE 2



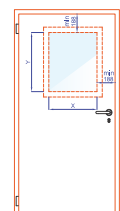
TYPE 3



TYPE 4



TYPE CUSTOMISED



DETAILS OF MAIN COMBINATIONS



Fire resistance

Tests carried out by the fire resistance testing laboratory at the University of Liège.
EI1 30 - EI2 60 - EI2 120
EW 150 (performance beyond the norm)



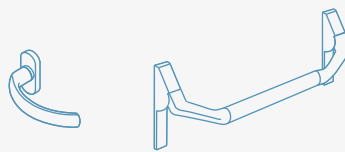
Anti-panic

Pushbar or handle.
Glazing upon request.



Smoke tightness

Sa, doorbottom seal.



Thermal insulation

Up to 1.5 W/m²K possible, with thermal break.

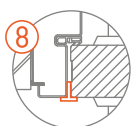
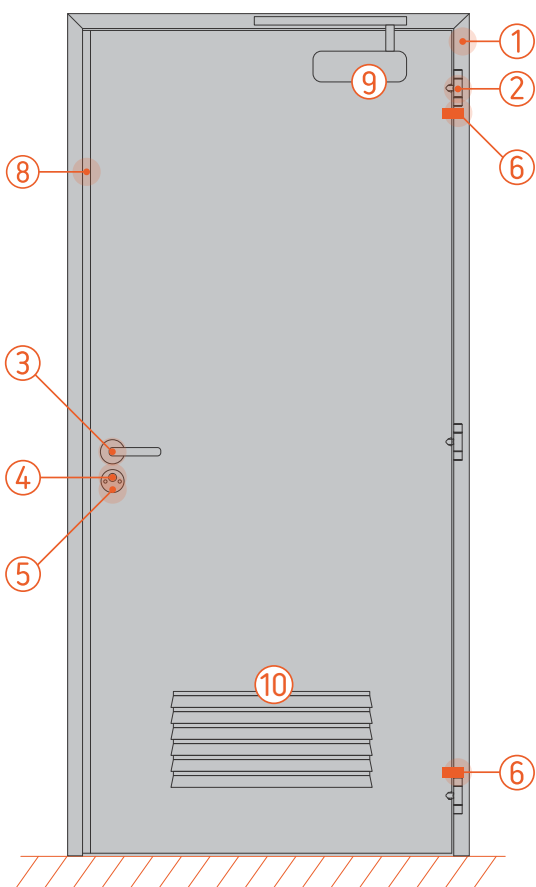
FITTINGS

BASIC FITTINGS

- 1 | **Door frame and leaf finish**
Magnelis® Hot-dip galvanised ZM 250 steel (250g/m², 20µm thick).
- 2 | **Hinges**
Minimum three screwed steel hinges, adjustable and replaceable
- 3 | **Handles**
A set of two U-shaped aluminium handles.
- 4 | **Europrofil cylinder**
EN 1627 compliant (class 4.1 in accordance with EN 1303).
- 5 | **Backplate**
Stainless steel backplate with round hole.
- 6 | **Security stud system**
Burglary resistance hinge side: two security studs.
Burglary resistance non-hinge side: not necessary.
- 7 | **Lock**
Security 1 point.
- 8 | **Latch protection system**
Burglary resistance hinge side: T.
Burglary resistance non-hinge side: not necessary.

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.
- 9 | **Door closer**
With scissor arm or sliding arm, fitted on the hinge or non-hinge side, invisibly integrated, with or without closure selectors, open position maintained etc.
- 10 | **Ventilation**
RC3 compliant ventilation grilles without combination of performance features.
Maximum width = leaf - 210, customised height.
- 11 | **Security locks**
See locks.
- 12 | **Remote surveillance**
Indication of leaf position, locking latch position, indication of leaf status.
- 13 | **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

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

Heinen product sheet | RC3 | SINGLE & DOUBLE HINGED DOOR | 2024-03-14_FTHE 0121 - V11EN

Copyright © Heinen 2024 | Non-contractual document.