

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

Basic performance features of the Metal+ door



Burglary resistance (EN 1627-1630)
RC2 subject to conditions



Frequency of use
500,000 open/close cycles



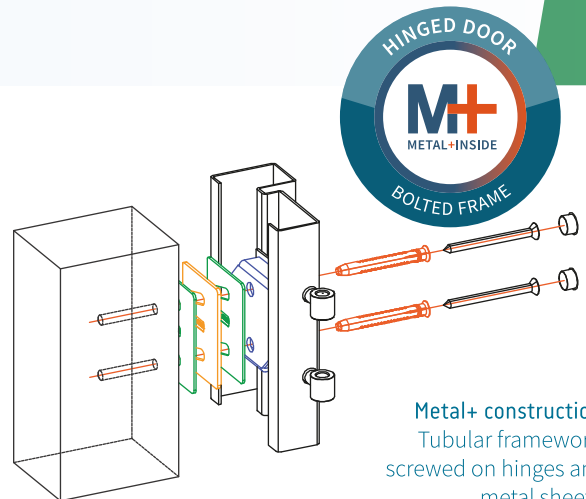
Mechanical resistance
Enhanced mechanical resistance



Service life of the door
10-year warranty on the door set

Possible combinations:

- Fire resistance ● Burglary resistance ● Anti-panic ● Smoke tightness ● Thermal insulation ● Airtightness
- Watertightness ● Wind resistance



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

With automatic Kältefeind threshold

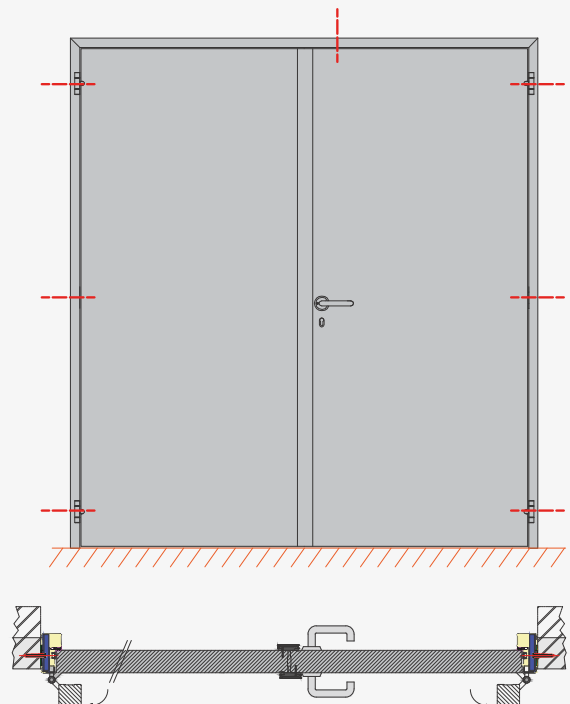
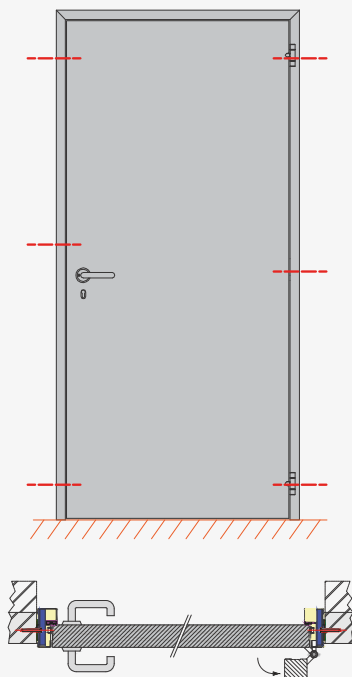


Airtightness
- single door minimum L2
- double door minimum L2 (with door closer)



Thermal insulation
Value between 1.7 and 1.9 W/m²K (depending on dimensions)

CROSS-SECTION METAL+ DOOR (DRHE 0100)



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):

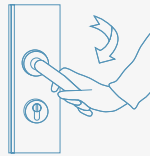
FP 180° = Width of opening - 130

FP 90° = Width of opening - 270

FP = Height of opening - 65

SECURITY LOCKS

Mechanical systems



Standard (1 point)*

Security (1 and 3 points)*

Anti-panic  (1 and 3 points)*

Top and/or bottom lock

*Compatible with electric strike
Fail safe or Fail secure.

ABLOY EL160  , **EL360** 

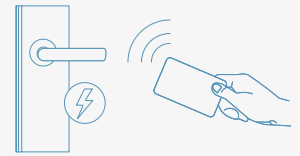
Self-Security (1 and 3 points)

Dorma PHA 2000 + PHB 3000 

**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).

**Solenoid
locks**

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 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.

**Motorised
locks**

ABLOY

DORMA



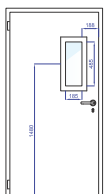
Fail secure: operation by power supply.

Fail safe: operation by power cut.

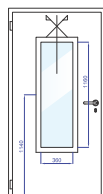
WINDOW CONFIGURATIONS

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

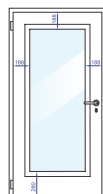
TYPE 1



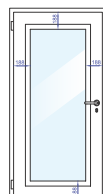
TYPE 2



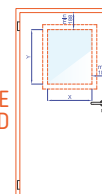
TYPE 3



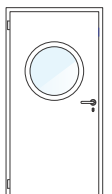
TYPE 4



TYPE
CUSTOMISED



ROUND
PEEP-HOLE



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)



Smoke tightness

Sa, doorbottom seal.



Burglary resistance

Tests carried out by the CNPP.
RC2, RC3, RC4.



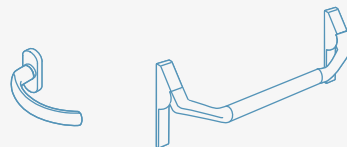
Anti-panic

Pushbar or handle.

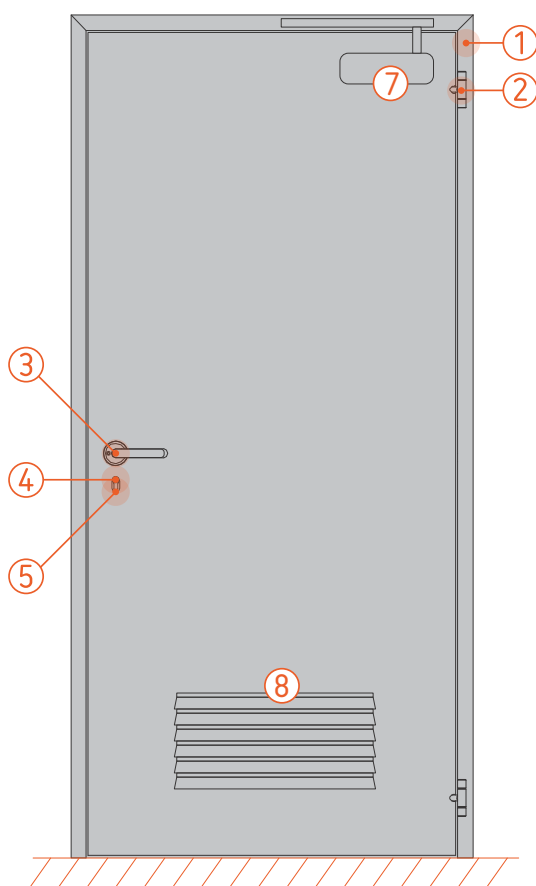


Thermal insulation

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 two screwed steel hinges, adjustable and replaceable.
- 3 | **Handles**
A set of two U-shaped aluminium handles
- 4 | **Europrofil cylinder**
Standard.
- 5 | **Backplate**
PVC backplate.
- 6 | **Lock**
Standard 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 hinges.
- 3 | **Handles**
Handles, doorknobs, pull handles etc. in aluminium or stainless steel.
- 7 | **Door closers**
With scissor arm or sliding arm, fitting on the hinge or non-hinge side, closure selectors, open position maintained etc.
- 8 | **Ventilation**
Ventilation grills.
- 9 | **Security locks**
See locks.
- 10 | **Security stud system**
Security stud advised for external doors.
- 11 | **Remote surveillance**
Indication of leaf position, locking latch position, indication of leaf status.
- 12 | **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 | METAL+ | SINGLE & DOUBLE HINGED DOOR | 2024-03-14_FT HE 0100 - V12EN

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