



EI2-120 | SINGLE & DOUBLE HINGED DOOR

FTHE 0008 | Fire resistance EI2-120 (in accordance with EN 1634-1)

Fire resistance

Tests carried out by the University of Liège.
Classification Report C0063



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

Basic performance features of the door EI2-120



Fire resistance (EN 1634-1)
EI2-120



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



Radiation
EW 120



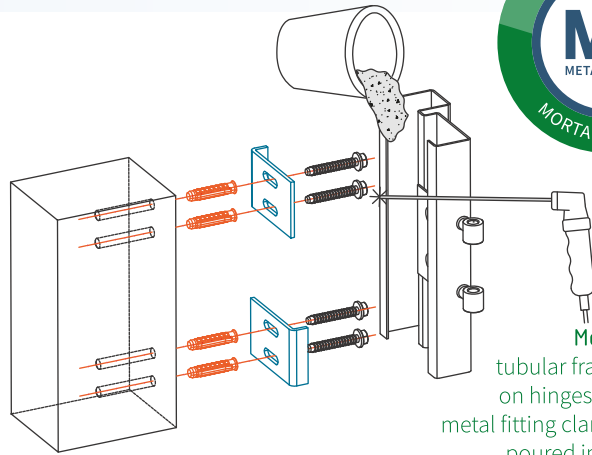
Frequency of use
200,000 open/close cycles
+ durability of automatic closure: C5



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



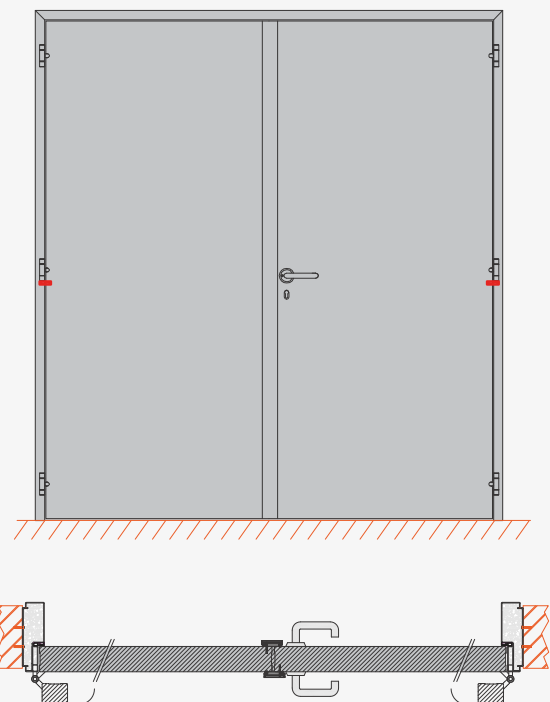
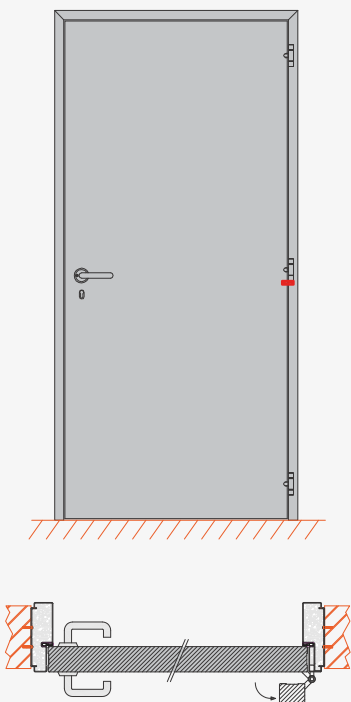
Airtightness
- single door minimum L2
- double door minimum L2 (with door closer)



Thermal insulation
Value between 1.5 and 1.9 W/m²K (depending on dimensions)

Possible combinations: ● Burglary resistance ● Bullet-proof ● Anti-panic ● Smoke tightness

CROSS-SECTION EI2-120 DOOR (DRHE 0008)



DOOR DIMENSIONS *(always customised)*

Single door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	570	1834	1425	3035	3.62m ²
Opening	680	1912	1535	3113*	

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening - 140

FP 90° = Width of opening - 220

FP = Height of opening - 90

Please note that the surface area stated for double doors is the sum of the surface areas of the two door leaves. Construction support with a minimum thickness of 150 mm and a minimum density of 480 Kg/m³ or a construction support with a minimum thickness of 140 mm and a minimum density of 1700 Kg/m³. On request, larger / smaller doorsets are also available without a certificate, this is also valid for the wall thicknesses**.

*For stainless steel doors, max leaf height = 2960 mm.

**The PV de Classement n°EFR-15-000527 Rév.3 gives more restrictive dimensional limits. Please consult us.

All external fire doors are CE marked. The dimensions of the leaves indicated in the "CE Certificate" or the Efectis classification certificates may vary from the University of Liège classification reports. For more details, see DOHE 012: Minimum and maximum dimensions of fire doors to EN 1634-1.

Double door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	400	1834	1800	3035	4.61m ²
Opening	920	1912	3720	3113*	

Calculation of clear passage (excluding combinations):

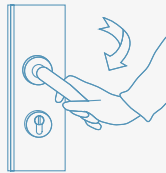
FP 180° = Width of opening - 140

FP 90° = Width of opening - 300

FP = Height of opening - 90

SECURITY LOCKS

Mechanical systems



Standard (one point)

Anti-panic  (1 and 3 points)

Security (1 and 3 points)

Manual
locking

ABLOY EL160  , **EL360** 

Self-Security (1 and 3 points)

Dorma PHA 2000 + PHB 3000 

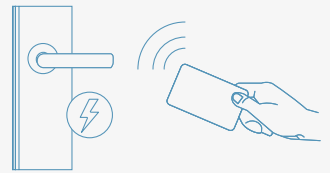
Automatic
locking



Fail secure : fonctionnement par alimentation de courant.

Fail safe : fonctionnement par rupture de courant.

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

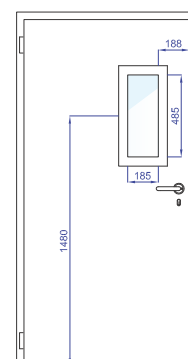
Controlled entry: Fail secure.
Controlled exit: Fail safe.

Motorised
locks

WINDOW CONFIGURATIONS

Solid or peephole with sight dimensions of 185 x 485 mm.

TYPE 1



DETAILS OF MAIN COMBINATIONS



Burglary resistance

Tests carried out by the CNPP.
RC2 and RC3.



Anti-panic

Pushbar or handle.



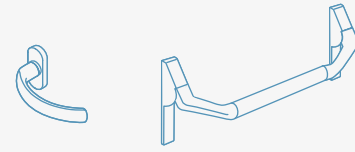
Bullet-proof

Please feel free to contact us.

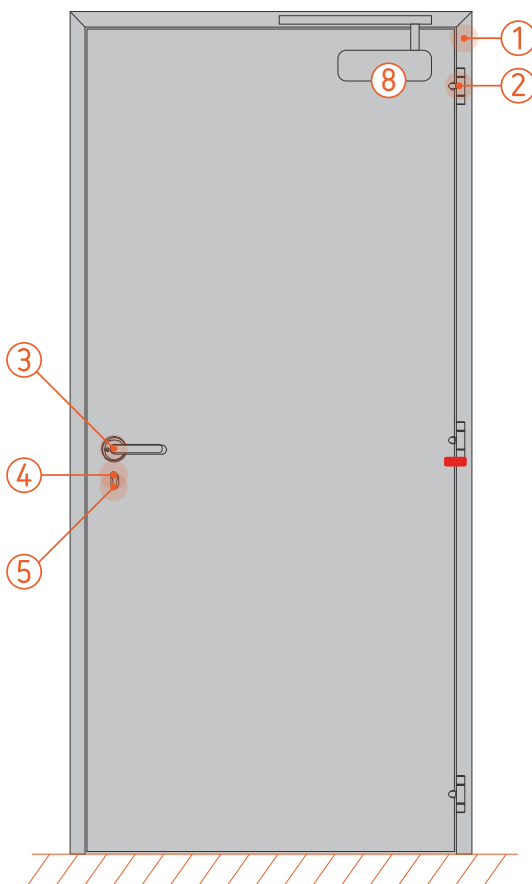


Smoke tightness

Sa, Sm (S200).
Doorbottom seal.



FITTINGS



BASIC FITTINGS

- 1 | **Door frame and leaf finish**
Magnetis® 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**
Standard.
- 5 | **Backplate**
PVC backplate.
- 6 | **Lock**
Standard 1 point.
- 7 | **Security stud system**
One stud.

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 | **Security stud system**
Stud recommended for external doors.
- 8 | **Door closer**
With scissor arm or sliding arm, fitting on the hinge or non-hinge side, closure selectors, open position maintained etc.
- 9 | **Security locks**
See locks.
- 10 | **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

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

Heinen product sheet | EI2-120 | SINGLE & DOUBLE HINGED DOOR | 2024-08-11_FT HE 0008 - V11EN

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