



EI1-60 | SURFACE-MOUNTED SINGLE & DOUBLE HINGED DOOR

FTHE 0203 | Fire resistance EI1-60 (in accordance with EN 1634-1)

Fire resistance

Tests carried out by the University of Liège.
Classification Report C0076



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

Basic performance features of the door EI1-60



Fire resistance (EN 1634-1)
EI1-60



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



Radiation
EW 60



Frequency of use
Up to 1,000,000 open/close cycles (max. level)
(Based on the tests of swing doors with cast-up frame and fitted in tunnel)

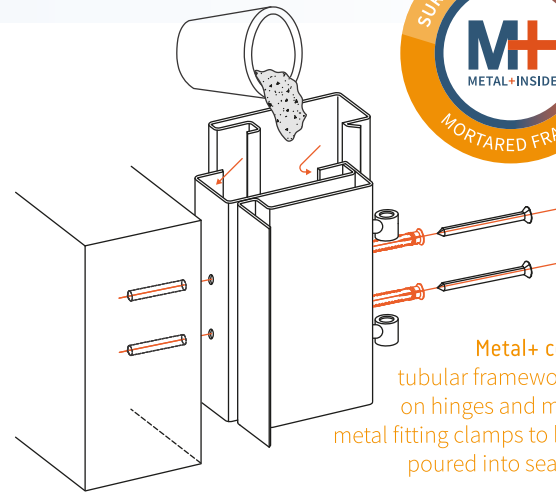


Mechanical resistance
Enhanced mechanical resistance

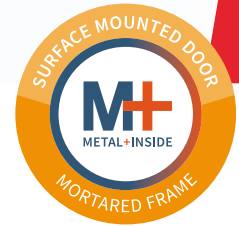


Service life of the door
15-year warranty on the door set

Cumuls possibles : ● Burglary resistance ● Anti-panic



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



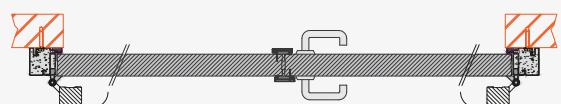
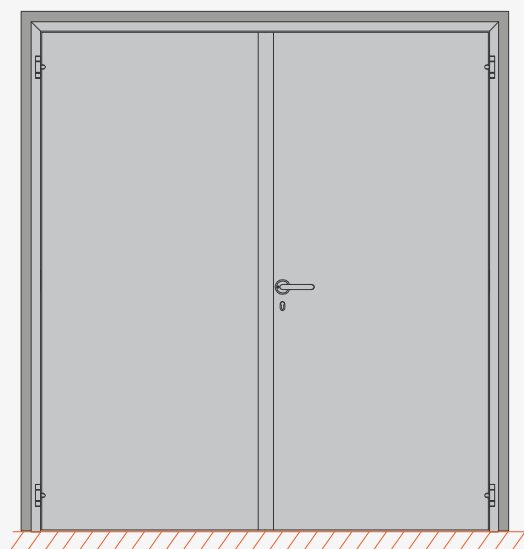
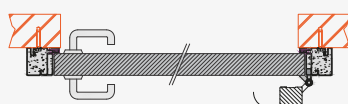
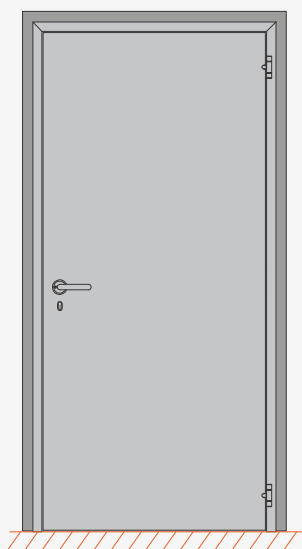
With automatic Kältefeind threshold



Airtightness

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

CROSS-SECTION EI1-60 DOOR (DRHE 0203)



DOOR DIMENSIONS *(always customised)*

Single door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	400	600	1200	2270	2.72m ²
Opening	360	585	1160	2255	

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening

FP 90° = Width of opening - 70

FP = Height of opening

The surface area stated for double doors is the sum of the surface areas of the 2 door leaves. Construction support with a minimum thickness of 100 mm and a minimum density of 480 kg/m. On request, larger/smaller door units are also available outside the certificate, as are wall thicknesses.

The dimensions of the leaves indicated in 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	600	1200	2270	5.44m ²
Opening	770	585	2370	2255	

Calculation of clear passage (excluding combinations):

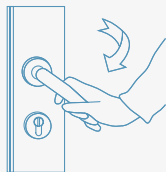
FP 180° = Width of opening

FP 90° = Width of opening - 140

FP = Height of opening

SECURITY LOCKS

Mechanical systems



Standard (one point)

Anti-panic (1 and 3 points)

Top and/or bottom lock

Security (1 and 3 points)

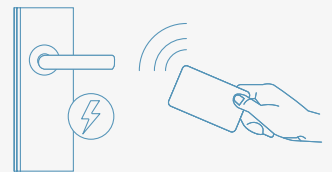
ABLOY EL160 , **EL360**

Self-Security (1 and 3 points)

**Manual
locking**

**Automatic
locking**

Electrical systems with automatic locking



ABLOY EL560 , **EL561**

Controlled entry: Fail safe ou 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.

**Solenoid
locks**

**Motorised
locks**

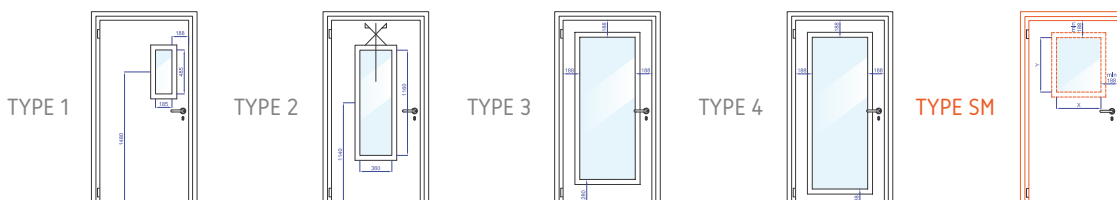


Fail secure: operation by power supply.

Fail safe: operation by power cut.

WINDOW CONFIGURATIONS

Solid or glazed. Standard sizes or customised windows.



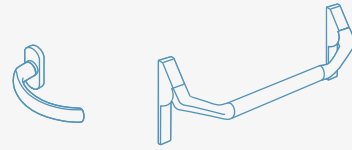
DETAILS OF MAIN COMBINATIONS



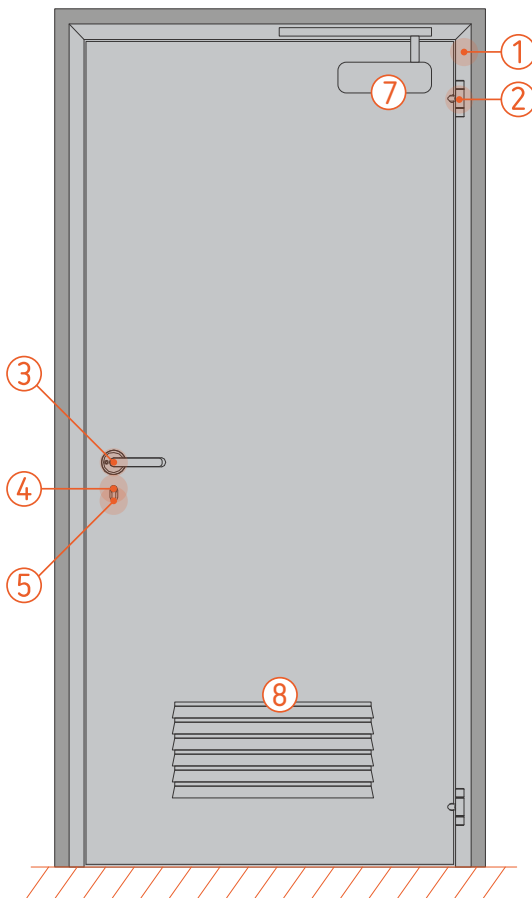
Burglary resistance
RC2



Anti-panic
Pushbar or handle.



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**
Compliant ventilation grills for internal and external doors.
3 standard dimensions: 580 x 380 mm; 680 x 480 mm; 880 x 680 mm.
- 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



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

Heinen product sheet | E11-60 | SURFACE MOUNTED SINGLE & DOUBLE HINGED DOOR | 2024-08-11_FTBE 0203 - V09 EN

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