



EI2-60 | SINGLE & DOUBLE HINGED DOOR

FTHE 0104 | Fire resistance EI2-60 (in accordance with EN 1634-1)

Fire resistance

Tests carried out by the University of Liège.
Classification Report C0085A



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

Basic performance features of the door EI2-60



Fire resistance (EN 1634-1)
EI2-60



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



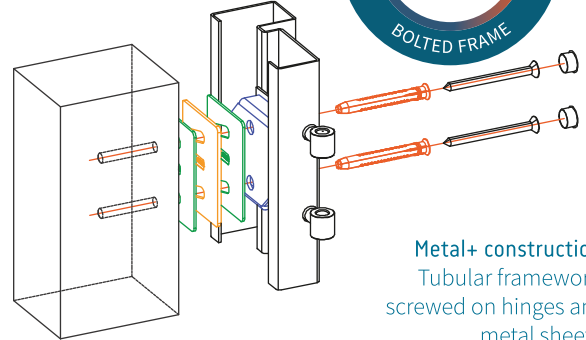
Radiation
EW 180



Frequency of use
Up to 500,000 open/close cycles



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



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

With automatic Kältefeind threshold



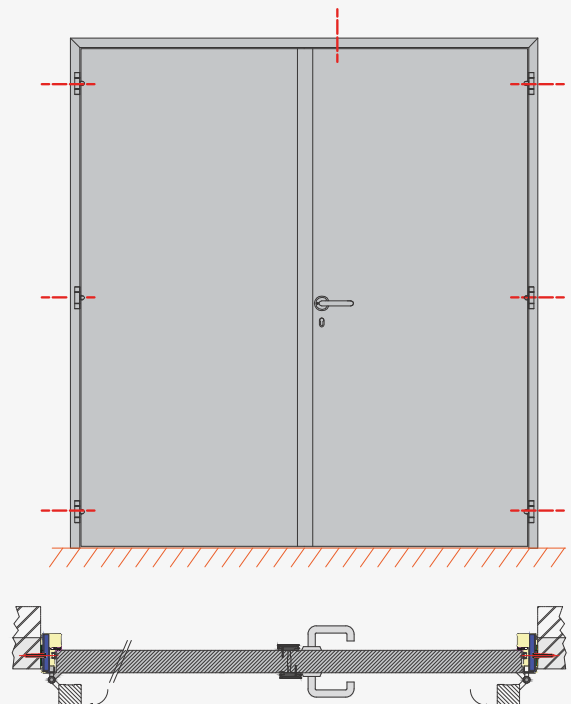
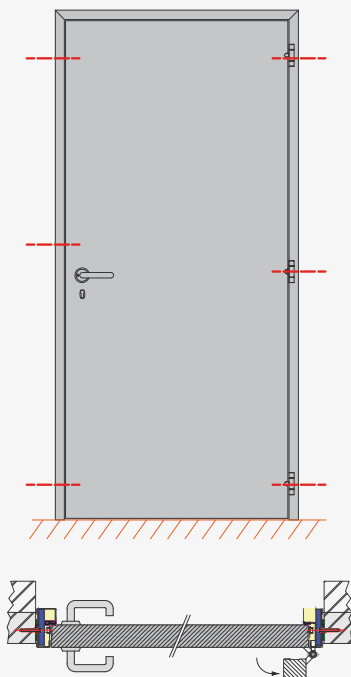
Airtightness
- single door minimum L2
- double door minimum L2 (with door closer)



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

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

CROSS-SECTION EI2-60 DOOR (DRHE 0104)



DOOR DIMENSIONS *(always customised)*

Mounting within masonry (Construction support with a min. thickness 100 mm and min. density 480 kg/m³).

Single door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	400	600	1162	2429	2.82m²
Opening	510	656	1266	2485	

Bolted into a light partition (metalstud type).

Single door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	500	1824	1000	2432	2.43m²
Opening	604	1880	1104	2488	

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening - 135

FP 90° = Width of opening - 200

FP = Height of opening - 68

Symmetrical double door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	581	1822	1162	2429	5.64m²
Opening	701	1878	1276	2485	

Symmetrical double door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	580	1821	1160	2432	4.86m²
Opening	1274	1877	2434	2488	

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening - 135

FP 90° = Width of opening - 270

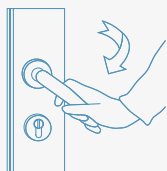
FP = Height of opening - 68

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

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**

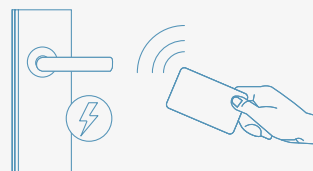
Self-Security (1 and 3 points)

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).

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

Lock in the frame: 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

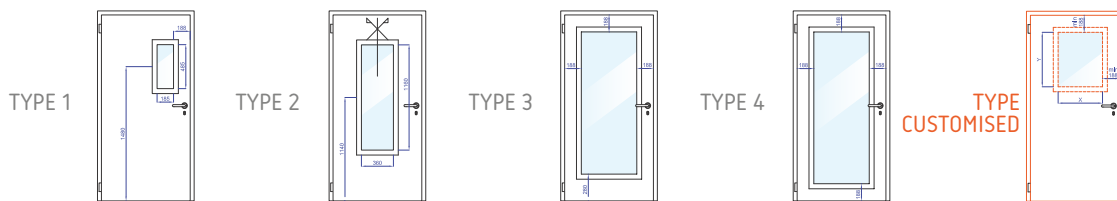
Motorised
locks



Fail secure: operation by power supply.
Fail safe: operation by power cut.

WINDOW CONFIGURATIONS

Solid or glazed + lateral and upper fanlights. Standard sizes or customised windows.



DETAILS OF MAIN COMBINATIONS



Burglary resistance

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



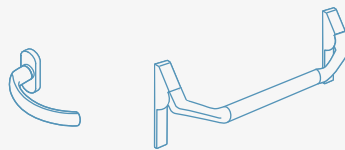
Anti-panic

Pushbar or handle.



Smoke tightness

Sa, Sm (S200).
Doorbottom seal.



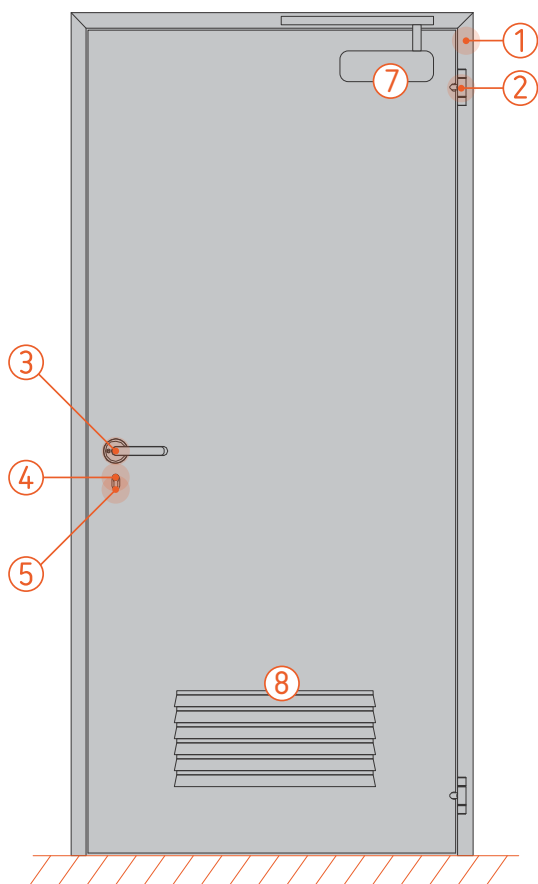
FITTINGS

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



www.heinen-doors.com

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

Heinen product sheet | EI2-60 | SINGLE & DOUBLE HINGED DOOR | 2024-08-11_FTHe 0104 - V06EN

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