

EI1-60 | SINGLE & DOUBLE SWING DOOR

SHEET 006 - Fire resistance EI1-60 (in accordance with EN 1634-1)

Tests carried out by the University of Liège.



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

Basic performance features of the door El1-60:



Fire resistance (EN 1634-1) EI1-60



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



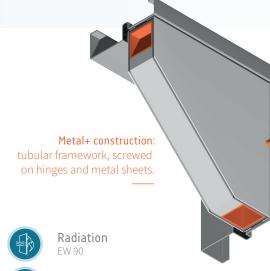
Acoustic performance Basic soundproofing: Rw = 30 dB



Airtightness



Thermal insulation T4: Av. U 1.9 W/m2K (with automatic door bottom seal)



Frequency of use 200,000 open/close cycles (max. level) + durability of automatic closure: C5



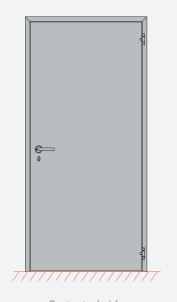


Service life of the door 15-year warranty on the door set

Possible combinations: ● Burglary resistance ● Acoustic performance

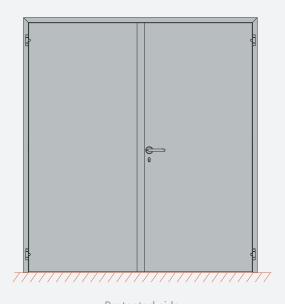
Anti-panic

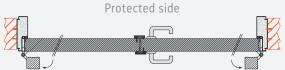
CROSS-SECTION DOOR EI1-60





Side under attack





Side under attack

DOOR DIMENSIONS (always customised)

Single door

Maximum dimensions		Width	Height
Leaf Opening	0 0 0 0 0 0	2175 2285	 4350 4428
Minimum dimensions		Width	Height
Leaf		650	1479
Opening		760	1557

Calculation of free passage (excluding combinations) burglary resistance hinge side and non-hinge side:

FP 180° = Width of opening - 140 FP 90° = Width of opening - 220 FP = Height of opening - 90

Larger door sets are also available without a certificate.

Double door

Maximum dimensions	Width	Height
Leaf Opening	2175 4470	4350 4428
Minimum dimensions	Mart della	I I a i a la t
Millimum dimensions	Width	Height

Calculation of free passage (excluding combinations) burglary resistance hinge side:

FP 180° = Width of opening - 140 FP 90° = Width of opening - 300 FP = Height of opening - 90

SECURITY LOCKS (obligatory door closer)

Mechanical systems



Standard (one point)

Anti-panic (1 and 3 points)

Top and/or bottom lock

Security (1 and 3 points)

Self-Security (1 and 3 points)

Dorma PHA 2000 + PHB 3000 🕟

Abloy EL 160

Manual locking

Automatic locking

Systems with automatic locking



Overlock (in combination with Self-Security 1 or 3 points).
Controlled entry: Fail secure.

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

EL560, 561

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

EL518, EL520 🕟

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

EL532

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

BB-LOCK A130+ASP

Lock in the frame / doorframe

Solenoid locks

Motorised locks

LOCKS



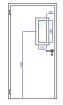


Fail secure: operation by power supply. Fail safe: operation by power cut.

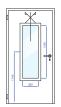
WINDOW CONFIGURATIONS

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

TYPE 1



TYPE 2



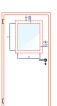
TYPE 3



TYPE 4



TYPE CUSTOMISED



DETAILS OF MAIN COMBINATIONS



Burglary resistance

Tests carried out by the CNPP. RC2, RC3, RC4 and RC5.





Acoustic performance

Tests carried out by the testing laboratory at the University of Liège.
Soundproofing (Rw) up to 54 dB.
Standard lock, double Shall-Ex, brushes.





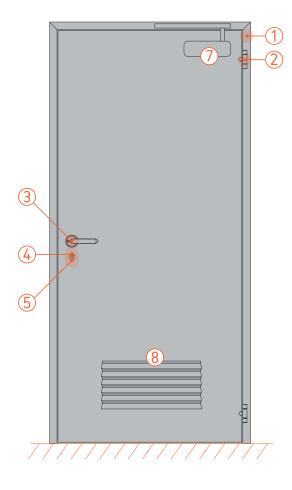
Anti-panic

Anti-panic bar or handle.





FITTINGS



BASIC FITTINGS

1 Door frame and leaf finish

Hot-dip galvanised steel (275 g/m², 20μm thick) or RAL paint.

2 | Hinges

Minimum two 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.

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: 3 standard dimensions.

9 | Security locks

See locks.

10 | Security stud system

Stud advised for external doors.

11 | Remote surveillance

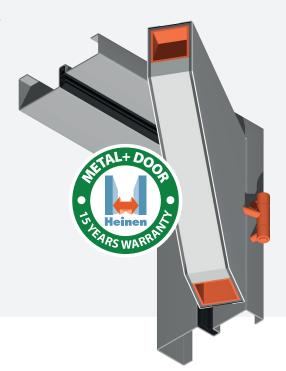
Indication of leaf position, locking latch position, indication of leaf status.

12 | Various options

Soundproof doorsills, door stops, storm chains, impact plates and many other fittings.

BASIC PERFORMANCES OF THE METAL+ DOOR

- Frequency of use: 1,000,000 open/close cycles (maximum level)
- Mechanical resistance: M+7 (maximum level)
- Service life of the door: 15-year warranty on the door set!
- Burglary resistance: RC2 (subject to conditions)
- Acoustic performance: Basic soundproofing (Rw) = 30 dB
- Air tightness: Level L1
- Thermal insulation:
 T4: Av. U ≈ 1.9 W/m2K (with automatic door bottom seal)



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.



Fire resistance



Burglary resistance



Acoustic performance



Bullet-proof



Blast-proof



Electromagnetic



Anti-panic



Smoke tightness



Thermal insulation



Airtightness



Watertightness



Wind resistance

