



EI2-30 | SINGLE & DOUBLE SWING DOOR

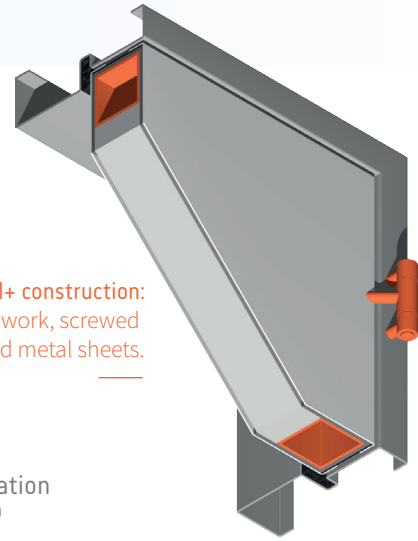
SHEET 005B - Fire resistance EI2-30 (in accordance with EN 1634-1)

Fire resistance

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.



Metal+ construction: tubular framework, screwed on hinges and metal sheets.

Basic performance features of the door EI2-30:



Fire resistance (EN 1634-1)
EI2-30



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



Acoustic performance
Basic soundproofing: $R_w = 30$ dB



Airtightness
Level L1



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



Radiation
EW 60



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



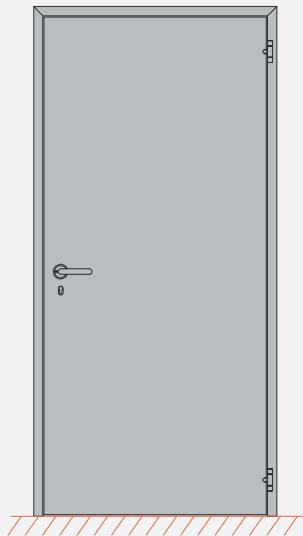
Mechanical resistance
M4 (max. level)



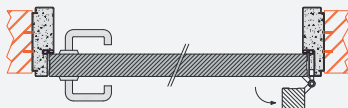
Service life of the door
15-year warranty on the door set

Possible combinations: ● Burglary resistance ● Acoustic performance ● Anti-panic

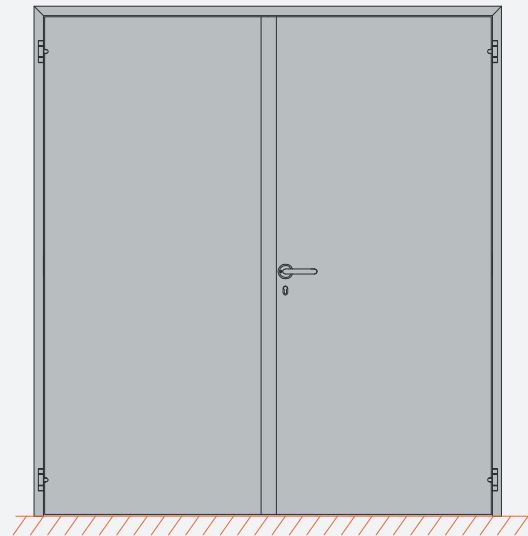
CROSS-SECTION DOOR EI2-30



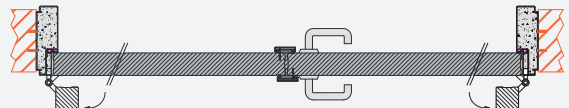
Protected side



Side under attack



Protected side



Side under attack

DOOR DIMENSIONS *(always customised)*

Single door

Maximum dimensions	Width	Height
Leaf	2175	4350
Opening	2285	4428
Minimum dimensions	Width	Height
Leaf	550	1479
Opening	660	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 - 210

FP = Height of opening - 90

Larger door sets are also available without a certificate.

Double door

Maximum dimensions	Width	Height
Leaf	2175	4350
Opening	4470	4428
Minimum dimensions	Width	Height
Leaf	400	1479
Opening	920	1557

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

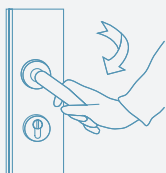
FP 180° = Width of opening - 140

FP 90° = Width of opening - 280

FP = Height of opening - 90

SECURITY LOCKS

Mechanical systems



- Standard (one point)
- Anti-panic (1 and 3 points)
- Top and/or bottom lock
- Security (1 and 3 points)

Manual locking

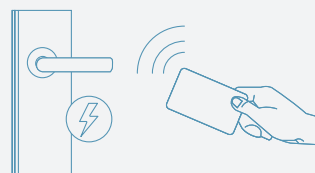
- Self-Security (1 and 3 points)
- Dorma PHA 2000 + PHB 3000
- Abloy EL 160

Automatic locking



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

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).

Solenoid locks

- EL560, 561
Controlled entry: Fail safe or 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).

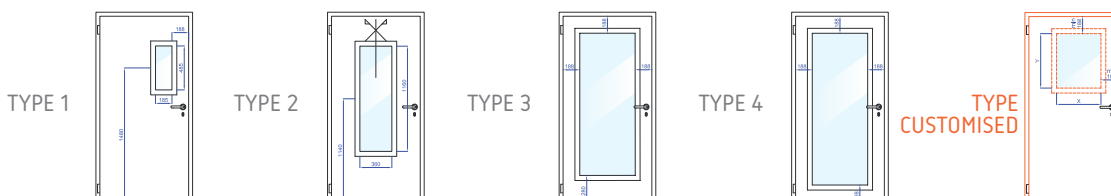
Motorised locks

- EL532
Controlled entry: Fail secure.
Controlled exit: Fail safe.

- BB-LOCK A130+ASP
Lock in the frame / doorframe

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, RC4 and RC5.



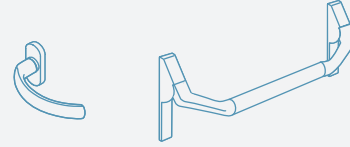
Acoustic performance

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

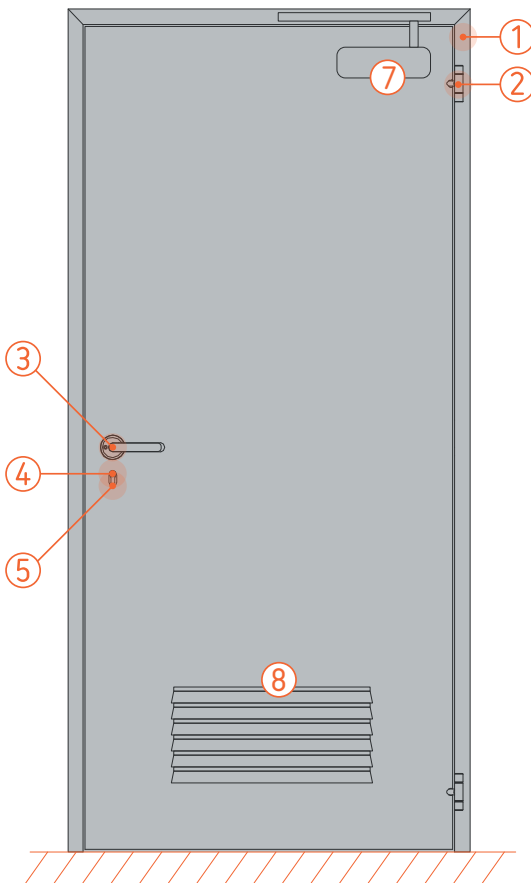


Anti-panic

Anti-panic bar or handle.



FITTINGS



BASIC FITTINGS

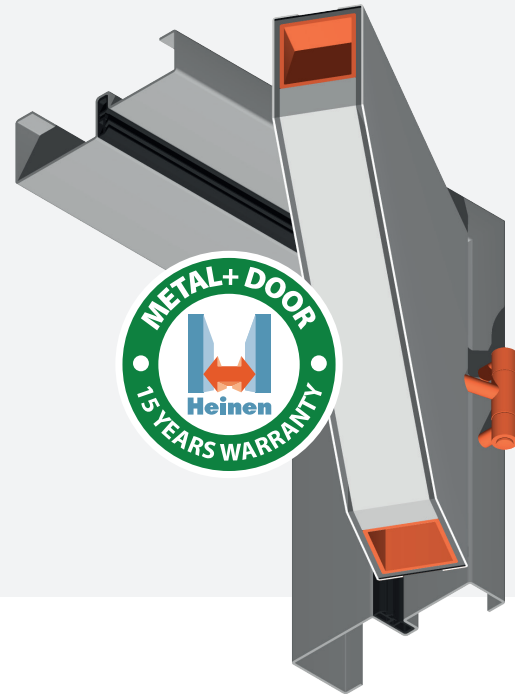
- 1 | Door frame and leaf finish**
Hot-dip galvanised steel (275 g/m², 20µm thick) or RAL paint.
- 2 | Hinges**
Minimum two steel hinges, adjustable and replaceable.
- 3 | Handles**
A set of two U-shaped aluminium handles.
- 4 | Europrofil cylinder**
Standard.
- 5 | Backplate**
PVC backplate.
- 6 | Lock**
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: 580 x 380 mm; 680 x 480 mm; 880 x 680 mm.
- 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



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

Heinen technical data sheet | E12-30 - single and double swing door | Sheet 005B - V01EN October 2018

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