



PRISON | SINGLE SWING DOOR

SHEET 004 - Burglary resistance AE20
Fire resistance EI1-30

Burglary resistance

Fire resistance

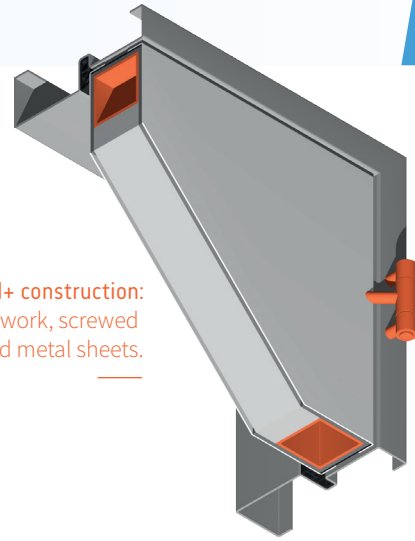
Tests carried out by the department of Justice



Service public fédéral
Justice

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 prison door:



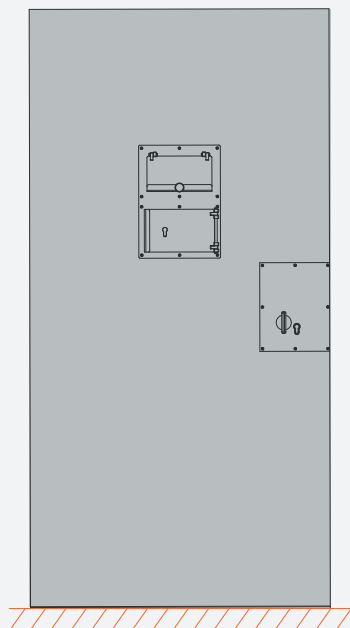
Fire resistance
EI1-30



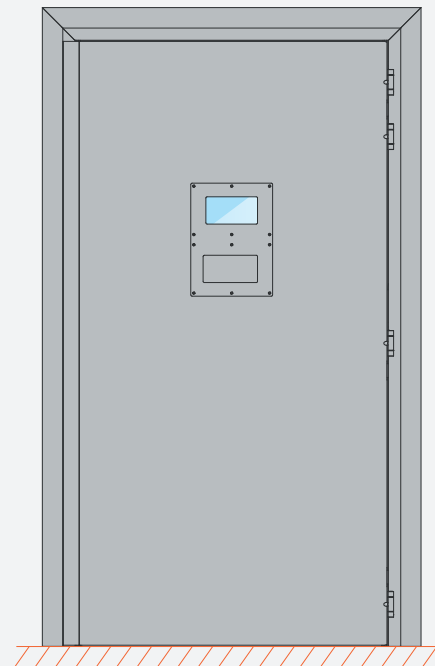
Burglary resistance
Belgian Justice department Standard
Compliant P1 = (3.5t) + AE20
Compliant P2 = (2.5t) + AE20 (cell door level)
Compliant P3 = (0.5t) + AE10

CROSS-SECTION PRISON DOOR BURGLARY RESISTANCE HINGE (surface mounted) (also available with burglary resistance non-hinge side).

View non-hinge side
with serving hatch



View hinge side
with serving hatch



DOOR DIMENSIONS *(always customised)*

Surface mounted - mechanical lock

Maximum dimensions	Width	Height
Leaf	1200	2400
Opening	1160	2383

Minimum dimensions	Width	Height
Leaf	570	1663
Opening	530	1646

Calculation of free passage (excluding combinations):

FP 180° = Width of opening
 FP 90° = Width of opening - 70
 FP = Height of opening

Fitted in a tunnel - mechanical lock

Maximum dimensions	Width	Height
Leaf	1200	2400
Opening	1360	2503

Minimum dimensions	Width	Height
Leaf	570	1663
Opening	730	1766

Calculation of free passage (excluding combinations):

FP 180° = Width of opening - 200
 FP 90° = Width of opening - 270
 FP = Height of opening - 90

Surface mounted - electric lock

Maximum dimensions	Width	Height
Leaf	1200	2290
Opening	1160	2273

Minimum dimensions	Width	Height
Leaf	570	1663
Opening	530	1646

Calculation of free passage (side under attack non-hinge side):

FP 180° = Width of opening
 FP 90° = Width of opening - 70
 FP = Height of opening

Fitted in a tunnel - electric lock

Maximum dimensions	Width	Height
Leaf	1200	2290
Opening	1360	2393

Minimum dimensions	Width	Height
Leaf	570	1663
Opening	730	1766

Calculation of free passage (side under attack hinge side):

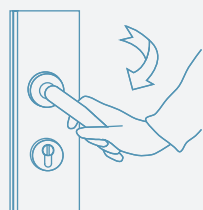
FP 180° = Width of opening - 200
 FP 90° = Width of opening - 270
 FP = Height of opening - 90

SECURITY LOCKS *(supplied by the department of Justice)*

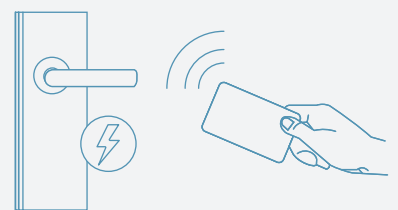


Service public fédéral
Justice

Justice mechanical



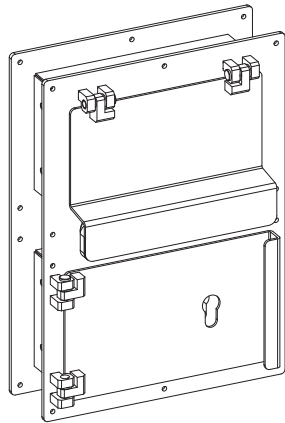
Justice electric



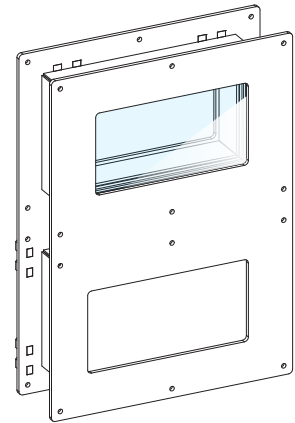
POSSIBLE CONFIGURATIONS

Available solid or with integrated hatch for handcuffs and peephole.

Non-hinge side

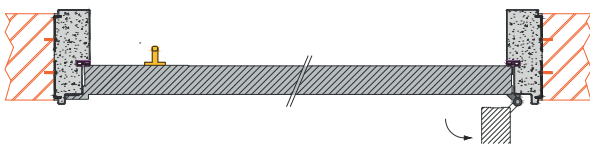


Hinge side

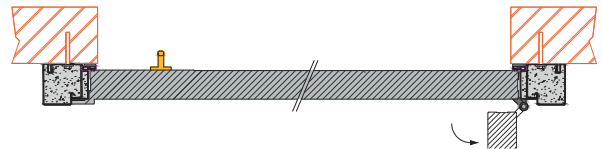


Fitted in the opening (tunnel) or surface mounted

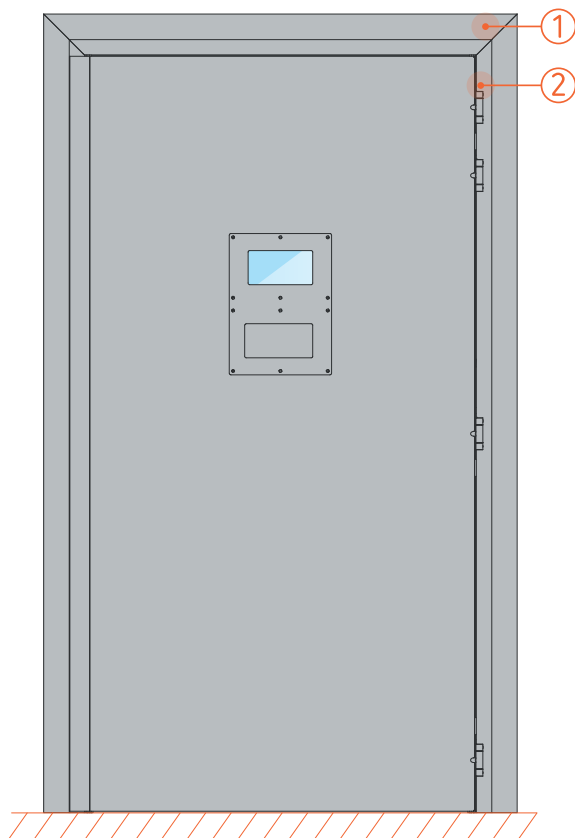
View fitted in tunnel



View surface mounted



FITTINGS (view hinge side)



BASIC FITTINGS

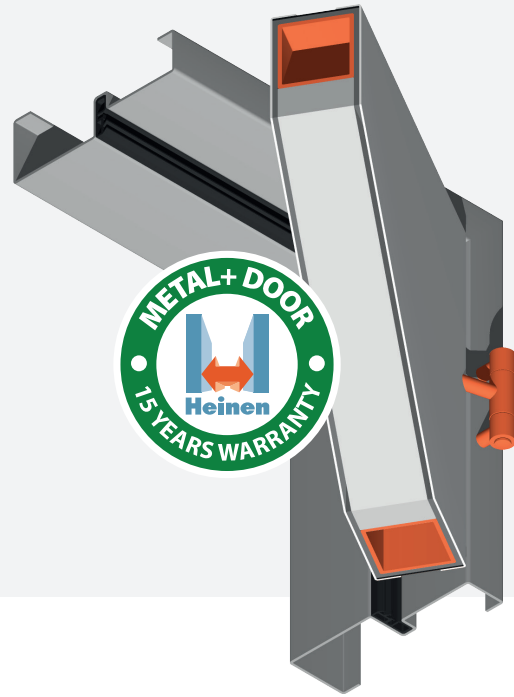
- 1 | **Door frame and leaf finish**
Hot-dip galvanised steel (275 g/m², 20µm thick) or RAL paint.
- 2 | **Hinges**
Four steel hinges, adjustable and replaceable.
- 3 | **Handles**
Supplied by the department of Justice.
- 4 | **Europrofil cylinder**
Supplied by the department of Justice.
- 5 | **Security stud system**
Three security studs.
- 6 | **Lock**
Lock Justice mechanical.

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.
- 3 | **Backplate**
PVC or stainless steel backplate.
- 7 | **Door closers**
Sliding, mounted hinge side / non-hinge side.
- 8 | **Security lock**
Lock Justice mechanical.
- 9 | **Various options**
Indication of leaf position, call button.

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 (R_w) = 30 dB
- **Air tightness:**
Level L1
- **Thermal insulation:**
T4: $Av. U \approx 1.9 \text{ W/m}^2\text{K}$ (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**