



TUNNEL | HCM 120/EI2-240 | SINGLE & DOUBLE HINGED DOOR

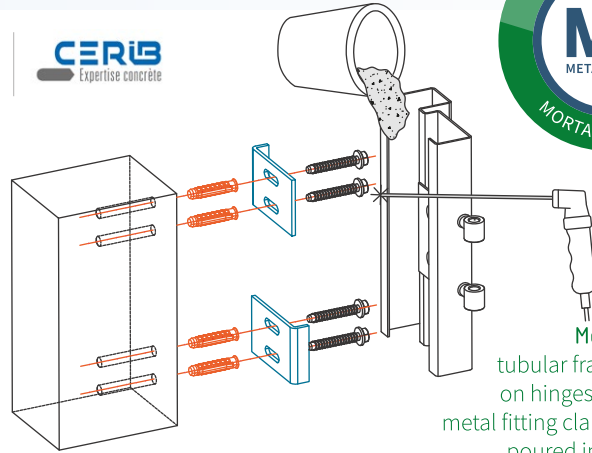
FTHE 0012 | Fire resistance HCM 120/CN 240 (N3), EI1-180, EI2-240

Fire resistance

Tests carried out by the University of Liège and Cerib. Technical Agreement 2020-A-005 Rév.1 delivered by ISIB



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, metal fitting clamps to be welded, poured into sealing mortar.

Basic performance features of the door HCM-120/EI2-240 (N3)



Fire resistance (EN 1634-1)
HCM 120 / EI1 180 / EI2 240*



Radiation
EW 240**



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

With an extra flat threshold (Sha)

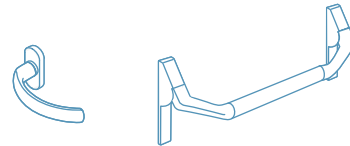


Airtightness
single door Niveau L2 minimum

Possible combinations



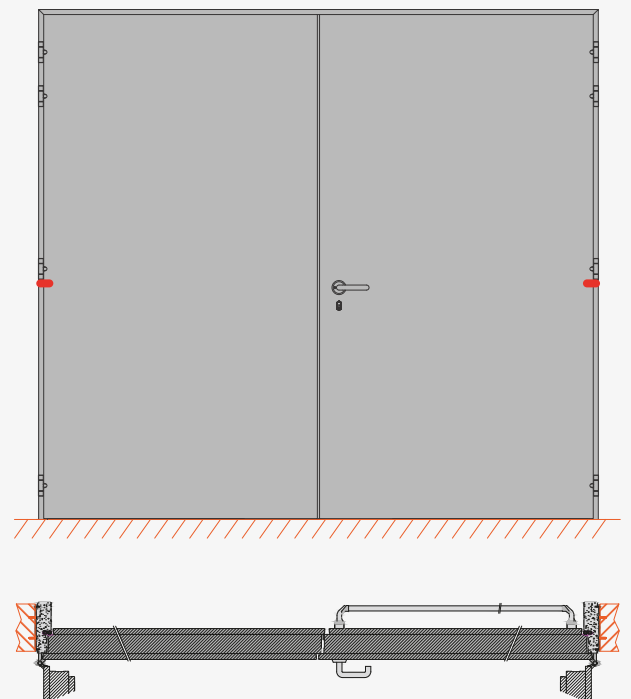
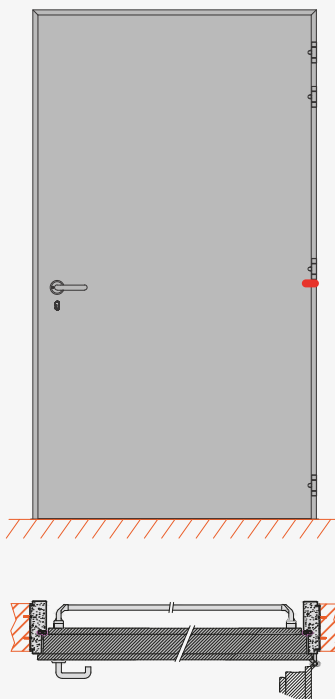
Anti-panic
Pushbar or handle.



*Classification available outside the European Standards: EI2 300

** EW300 for the single leaf door

CROSS-SECTION HCM 120 / EI2 240 DOOR (DRHE 0012)



DOOR DIMENSIONS (always customised)

Single door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	600	1702	1425	2838	3.54m²
Opening	710	1780	1535	2916	

Double door

	Min. dimensions		Max. dimensions		Max. surf.
	W	H	W	H	
Leaf	410	1884	1425	2889	6.92m²
Opening	940	1962	2970	2967	

Calculation of free passage (excluding combinations) :

FP 180° = Width of opening - 140
FP 90° = Width of opening - 250
FP = Height of opening - 90

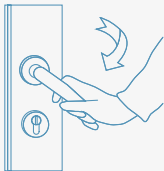
The surface area stated for double doors is the sum of the surface areas of the 2 door leaves.
Construction support with a minimum thickness of 200 mm and a minimum density of 2200 Kg/m3.
In the Classification Report n° 026087 issued by CERIB, the dimensions are more restrictive as they do not take account of dimensional extensions (max leaf LxH: single door: 1380 x 2610, double door 1425 x 2889).

Calculation of free passage (excluding combinations) :

FP 180° = Width of opening - 140
FP 90° = Width of opening - 350
FP = Height of opening - 90

SECURITY LOCKS

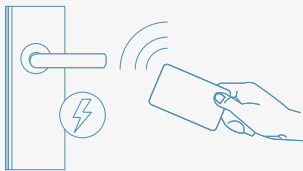
Mechanical systems



ABLOY EL160 , **EL360**
Abloy EL 160, single-point lock.
Mechanical lock with automatic locking.

Automatic
locking

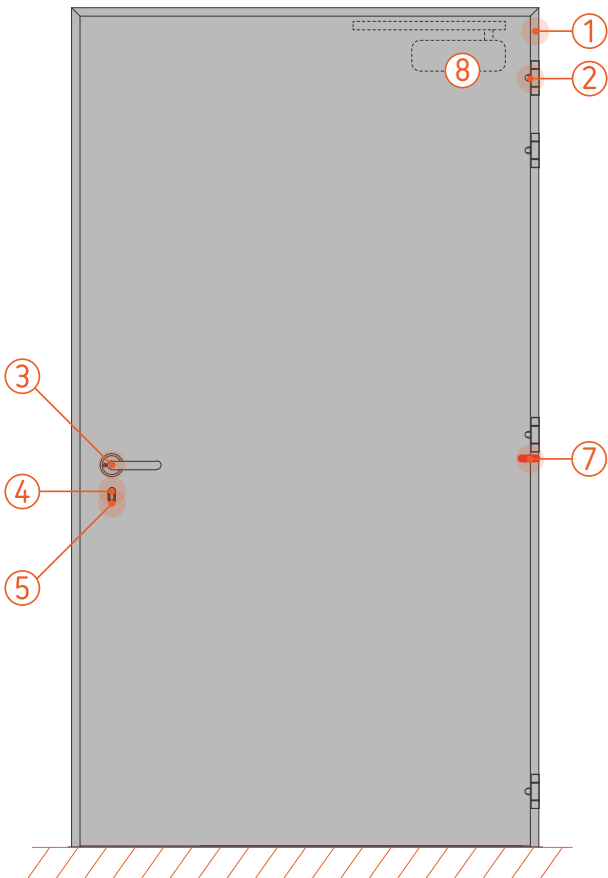
Electrical systems with
automatic locking



ABLOY EL560 , **EL561**
Controlled entry: Fail safe ou Fail secure.
Free anti-panic exit or controlled exit
(Fail idem entry side).

Solenoid
locks

FITTINGS



BASIC FITTINGS

- 1 | **Door frame and leaf finish**
Magnelis® Hot-dip galvanised ZM 250 steel (250g/m², 20µm thick).
- 2 | **Hinges**
Minimum four screwed steel hinges, adjustable and replaceable.
- 3 | **Handles / anti-panic bar**
Handle on hinge side. Anti-panic bar on non-hinge side.
- 4 | **Cylinder**
Continuous cylinder.
- 5 | **Backplate**
PVC backplate.
- 6 | **Lock**
Single-point EL 160.
- 7 | **Security stud system**
One stud.

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.
- 8 | **Door closer**
GEZE TS5 5000 CO.
- 9 | **Security locks**
See locks.
- 10 | **Remote surveillance**
Indication of leaf position.

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 | TUNNEL | HCM 120/EI2-240 | SINGLE & DOUBLE HINGED DOOR | 2024-08-11_FTBE 0012 - V14EN

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