



FB4 NS* | SINGLE & DOUBLE HINGED DOOR

FTHE 0040 | Bulletproof FB4 NS (in accordance with EN 1522-1523)
Hinge side attack

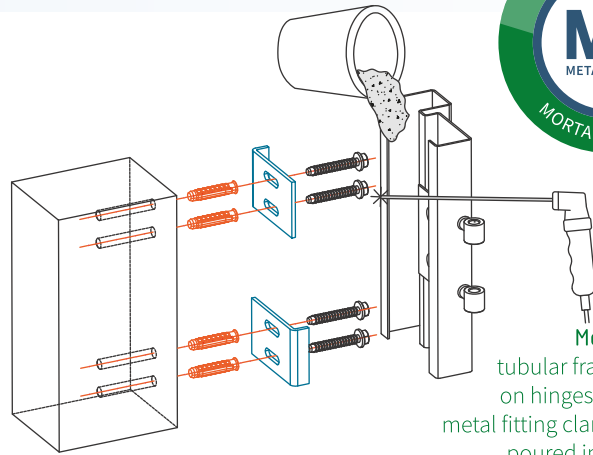
*NS : non splitting

Bulletproof

Tests carried out by the BNE



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 FB4 NS door:



Bulletproof (EN 1522-1523)
FB4 NS



Burglary resistance (EN 1627-1630)
RC3



Acoustic performance
Basic soundproofing:
- single door RW = 30dB
- double door RW = 27dB



Frequency of use
200,000 open/close cycles



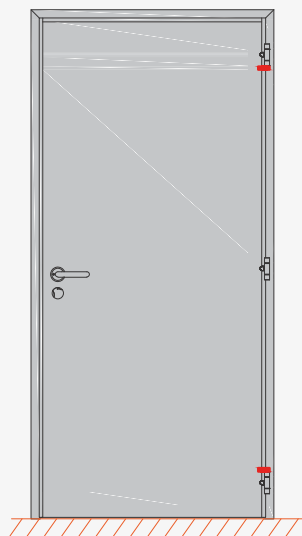
Mechanical resistance
M4 (max. level)



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

Possible combinations: ● Burglary resistant ● Fire resistance ● Anti-panic

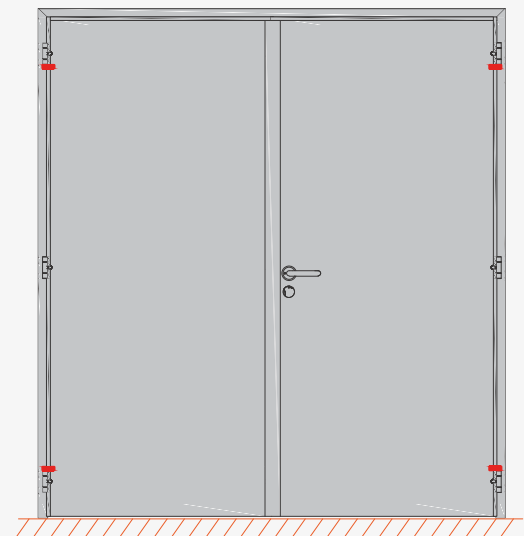
CROSS SECTION FB4 NS DOOR (DRHE 0040)



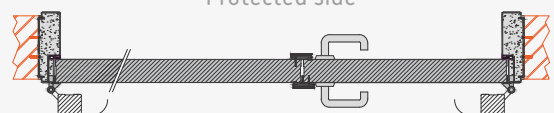
Protected side



Side under attack



Protected side



Side under attack

DOOR DIMENSIONS *(always customised)*

Single door

Maximum dimensions	Width	Height
Leaf	1450	3035
Opening	1560	3113

Minimum dimensions	Width	Height
Leaf	700	600
Opening	810	678

Calculation of clear passage (excluding combinations):

FP 180° = Width of opening - 140

FP 90° = Width of opening - 210

FP = Height of opening - 90

Construction support with a minimum thickness of 100 mm.

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

Double door

Maximum dimensions	Width	Height
Leaf	1450	3035
Opening	3020	3113

Minimum dimensions	Width	Height
Leaf	400	900
Opening	920	978

Calculation of clear passage (excluding combinations):

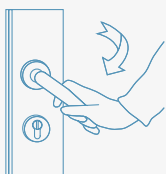
FP 180° = Width of opening - 140

FP 90° = Width of opening - 280

FP = Height of opening - 90

SECURITY LOCKS

Mechanical systems



Security (1 and 3 points)

Anti-panic  (1 and 3 points)

ABLOY EL 160  , **EL360** 

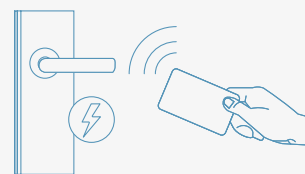
Self-Security (1 and 3 points)

Dorma PHA 2500 

**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.

**Solenoid
locks**

**Motorised
locks**



Fail secure: operation by power supply.

Fail safe: operation by power cut.

DETAILS OF MAIN COMBINATIONS



Burglary resistance

Tests carried out by the CNPP.
RC4 - RC5 (EN1627 to 1630).



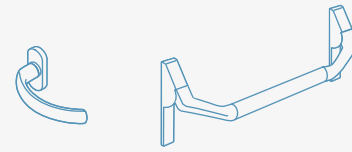
Anti-panic

Pushbar or handle.

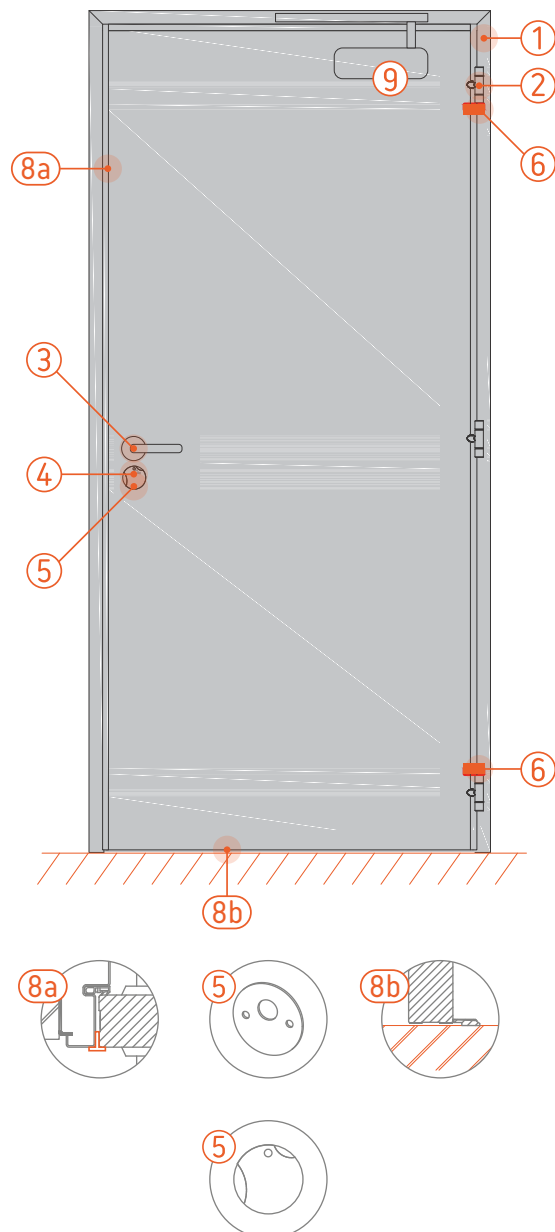


Fire resistance

Contact us.



FITTINGS



BASIC FITTINGS

- 1 | **Door frame and leaf finish**
Magnelis® Hot-dip galvanised ZM 250 steel (250g/m², 20µm thick).
- 2 | **Hinges**
Minimum three screwed steel hinges, adjustable and replaceable.
- 3 | **Handles**
A set of two U-shaped aluminium handles.
- 4 | **Europrofil cylinder**
EN 1627 compliant (class 4.1 in accordance with EN 1303).
- 5 | **Backplate**
Stainless steel backplate with round hole + bulletproof backplate.
- 6 | **Security stud system**
2 studs.
- 7 | **Lock**
Security 1 point.
- 8 | **Latch protection system**
a. Hinge side: T.
b. Bulletproof Doorbottom seal.

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.
- 3 | **Handles**
Handles, doorknobs, pull handles etc. In aluminium or stainless steel.
- 9 | **Door closer**
With scissor arm or sliding arm, fitted on the hinge or non-hinge side, with or without closure selectors, open position maintained etc.
- 10 | **Security Locks**
See locks.
- 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 | FB4 NS* | SINGLE & DOUBLE HINGED DOOR | 2024-02-27_FTHe 0040 - V11EN

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