



DESIGNED FOR REFLECTED BLAST
PRESSURE **14 bar (1,4Mpa; 203psi)**



HEAVY STEEL DOOR FRAME CONSTRUCTED
WITH **FLAT LOCKING BOLTS (20 mm x 100 mm)**



DOOR THICKNESS: **155 mm**
STEEL CONCRETE SLAB THICKNESS: **74 mm**



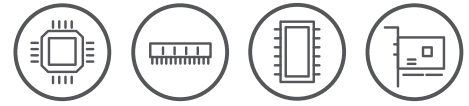
MASSIVE HINGES:
2 STRONG VAULT-TYPE HINGES



BT 0

BLAST PROOF DOOR

data sheet



BT 0
double leaf
BLAST PROOF DOOR

DATA SHEET

Blast Proof Door type BT0

Description:

- Blast resistant door in a high efficient of steel and reinforced concrete.
- Door is locked with massive **flat locking bolts (20mm x 100mm)** 50 mm way of locking and 4-sided central boltwork with handwheel – inside and outside.
- Door leaf is hinged with **2 strong vault-type hinges** which allow 180 door opening.
- Door can be **operated from inside and outside**, manual operation of the door for opening and closing.
- Door leaf is constructed from 3 mm steel sheet filled with reinforced concrete.
- Door leaf thickness: **155 mm**.
- Concrete slab thickness: **74 mm**.
- Door frame is constructed from 3 mm steel sheet reinforced with ribs and rods, prepared to filled with concrete.

Static material strength:

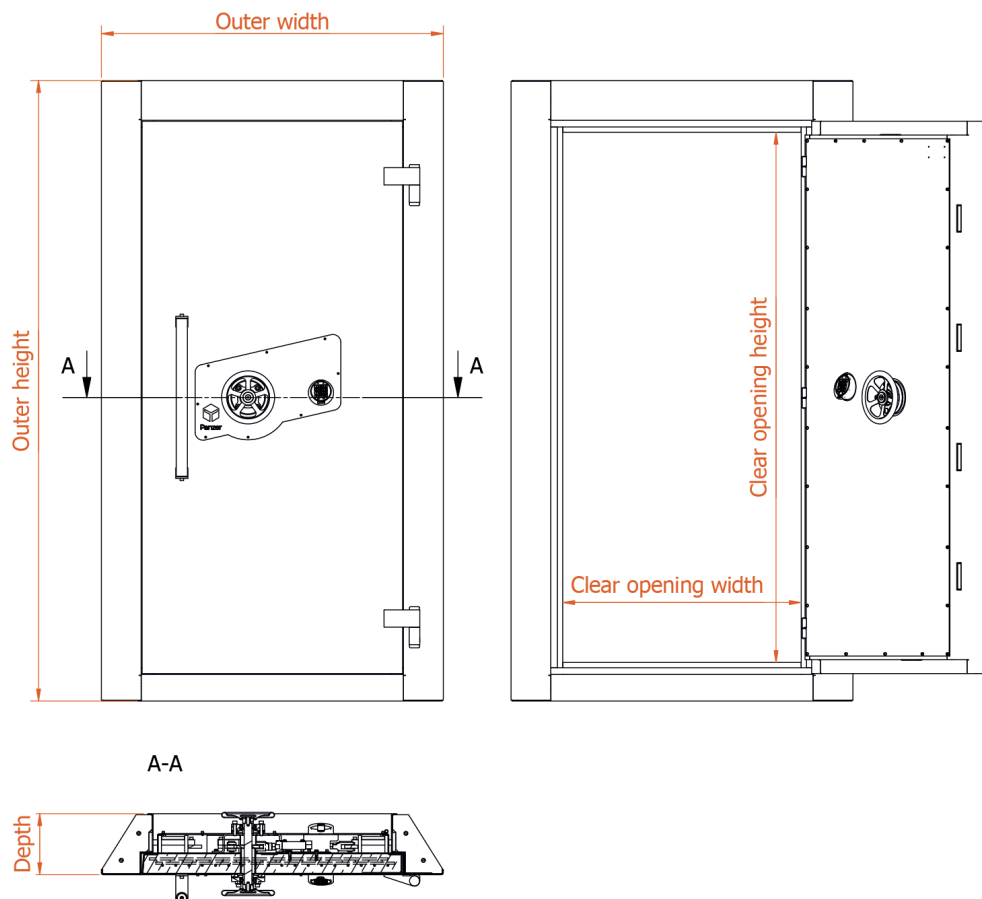
- **Steel sheets according to:**
 - EN 10025-2/2004
 - EN 10029 A/N
 - EN 10163-2 A/1
 - AD-2000 W1
 - Quality: S235JR+M
 - minimum static yield strength 300 N/mm² (Mpa)
 - maximum static yield strength 412 N/mm² (Mpa)
 - minimum tensile strength 410 N/mm² (Mpa)
 - minimum tensile strength 566 N/mm² (Mpa)
 - elongation at rupture: 27% - 37%
- **Concrete C45/55:**
 - minimum static yield strength 60 N/mm² (Mpa)
 - break load min.: 1500 kN test acc. DIN EN 12390

Optionally door is provided with heat expanded seal protecting against fire penetration through the door.

Painting: Primer resisting corrosion

HS-Code (Customs tariff): **83030010**

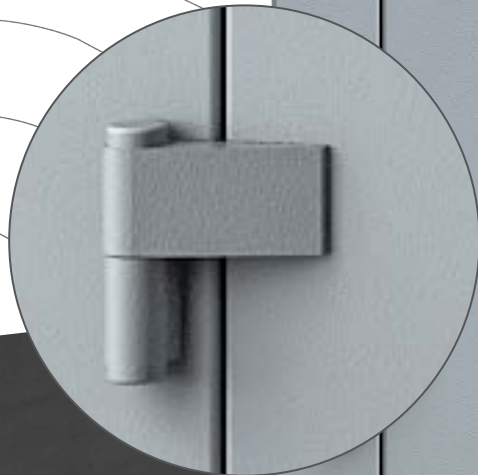
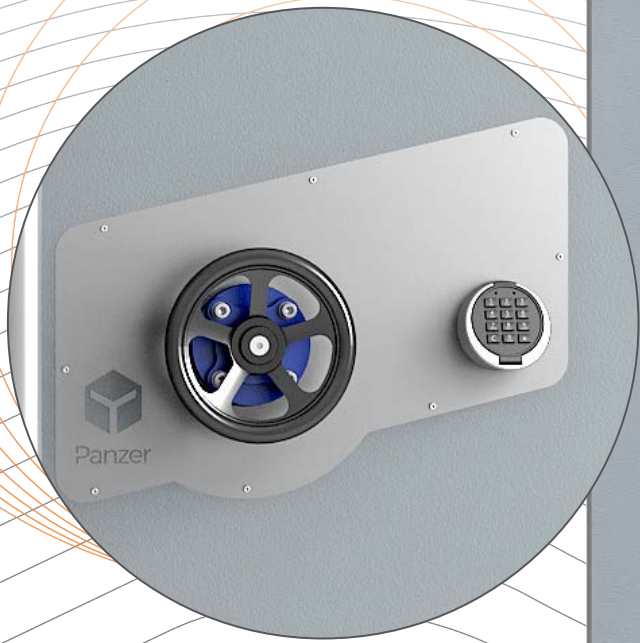
Delivered model (mm)	Model art. no.	Outer dimensions			Clear opening		Weight (kg)
		height (mm)	width (mm)	depth (mm)	height (mm)	width (mm)	
☐	BT0-1808	2140	1090	230	1800	800	670
☐	BT0-2010	2340	1290	230	2000	1000	840
☐	BT0-2212	2540	1490	230	2200	1200	1030
☐	BT0-3015	3340	1790	230	3000	1500	1580





BT 0
single leaf
BLAST PROOF DOOR





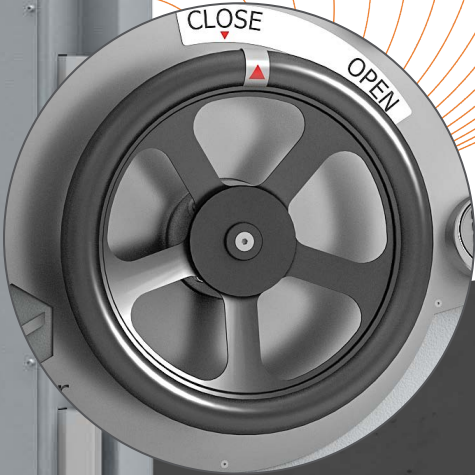
BT 0
double leaf
BLAST PROOF DOOR



PAINTING
Primer-resisting
corrosion

OPERATING
All the locks are
operated from
outside and inside

HANDLES
Black wheel-handle



LEAF
Strong gear bolt work
Very strong hinges

ADDITIONAL OPTIONS:

A) ONLY BOLTWORK WITHOUT ANY LOCKING



outside



inside

B) LOCKING FROM OUTSIDE BY PADLOCK



outside



inside

C) LOCKING WITH 2 CYLINDER LOCKS (STANDARD HATCH DOOR)



outside



inside

D) LOCKING WITH ELECTRONIC LOCK, OPERATING FROM INSIDE AND OUTSIDE



outside



inside

E) LOCKING WITH ELECTRONIC LOCK, OPERATING FROM INSIDE AND OUTSIDE-ADDITIONALLY MANUAL OPENING WITH 2 CYLINDRICAL LOCKS EQUIPPED WITH 2 SPECIAL KEYS (STANDARD FOR WIDTH >900MM)



outside



inside

F) ONE SIDE LOCKING

G) FIRE SECURITY



FIRE SECURITY
(according EI₂-120)
EN 1634-1
EN 1363-1

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