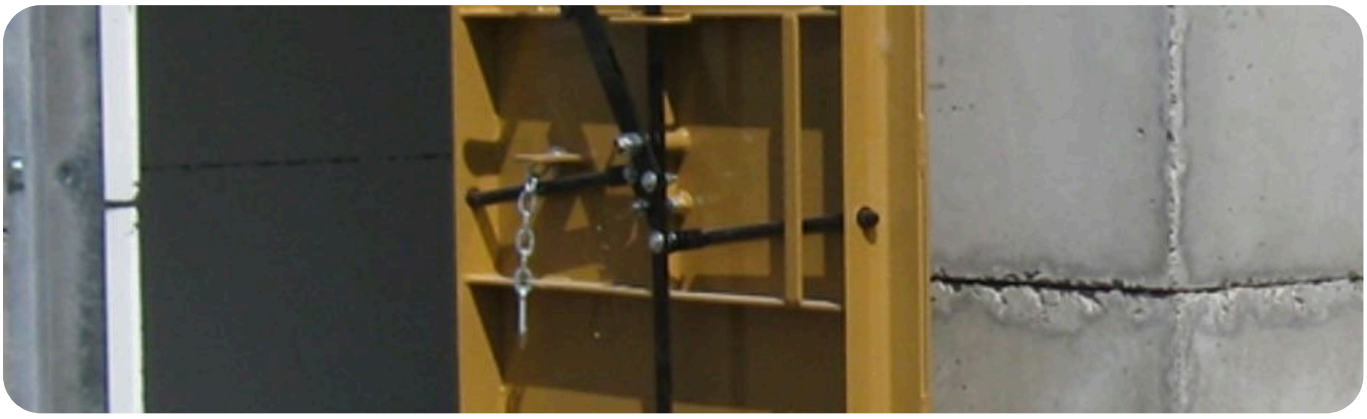
SPECIALIST PRODUCTS · BLAST DOORS

Emergency shelter and bunker doors

Steel blast doors for emergency shelters, bunkers and safe havens.



A heavy-duty steel door with its hinges, rope anchors and mounting brackets, designed as one assembly for precast concrete shelters. It is designed to protect people from blast overpressure and to open after the design event.

DESIGN LOAD	DESIGN CODE	STEEL	AFTER THE EVENT
10 psi	UFC	ASTM A36	Operable
At least · TM5-1300 method	3-340-02 · TM5-1300	Structural plate	Design intent: latched

Benefits

- **Designed to stay usable.** Latched, operable and intact by design.
- **Designed to the US standard.** TM5-1300 and UFC 3-340-02.
- **Ductile steel.** Absorbs blast energy without cracking.
- **Complete assembly.** Door, hinges, anchors and brackets.
- **Ready to install.** Primed and painted.
- **Adjusts to site tolerances.** Slotted mounting brackets.
- **Qualified welding.** AWS D1.1 / D1.3, WPS and PQR.

Options

Precast shelter modules · Custom sizes · Approved paint colour · Galvanised parts · Rope anchor

Technical data

ITEM	SPECIFICATION
Type	Single-leaf steel blast door
Design method	TM5-1300 / UFC 3-340-02
Design overpressure	At least 10 psi without permanent deformation, by design
Nominal size	850 mm × 1,600 mm
Steel	ASTM A36 plate with hollow-section stiffeners
Hinges	Heavy-duty welded barrel hinges
Fixing	Stainless steel anchor bolts to concrete
Brackets	Slotted for site adjustment
Welding	AWS D1.1 / D1.3, qualified procedures (WPS, PQR)
Coating	Primer and paint to approved colour
Documents	Design calculation for the project load; material certificates on request

Where it is used

Civil-defence shelters · Military shelters and bunkers · Command and control facilities · Government ministries · Oil and gas safe havens · Safe rooms · Hospitals · Data centres · Critical infrastructure · Refineries and gas plants · Construction camps · Remote wellsites

Confirm the complete configuration. Performance, sizes and options are confirmed for each project. Send us the specification and drawings and we will confirm the proposed product and its supporting documents.

Send us your drawings and specification.

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