BLAST-RESISTANT SYSTEMS · DOORS

Sliding blast doors for large access openings

Large openings need a coordinated approach to access, structure and protective performance.



Custom-engineered sliding blast doors for openings sized to the building. A heavy reinforced steel leaf runs on a reinforced top rail, with blast seals and multi-point locking to hold it against the load.

OVERPRESSURE	ENGINEERED	LEAVES	OPERATION
2–100 psi	7+ bar	1 or 2	Manual
Peak, to project load	Systems exceeding	Horizontal sliding	Or motorised

Benefits

- **Designed to your blast load.** From the site blast study.
- **Large clear openings.** Sized to the host structure.
- **Manual or motorised.** Internal or external.
- **Combined protection.** Blast with fire, bullet or gas-tight.
- **Energy-absorbing leaf.** Multi-layer core, blast stiffeners.
- **Secure when closed.** Multi-point locking, anti-jump locks.

Options

Single or double leaf · Motorised drive · Gas-tight or air-tight · Access control · Personnel door

Technical data

ITEM	SPECIFICATION
Type	Heavy-duty horizontal sliding blast door
Overpressure	2 to 100 psi; engineered systems above 7 bar
Standards	ASTM F2247 · ASTM F1642
Design method	UFC 3-340-02 · UFC 4-020-01 · TM5-1300
Leaf	Heavy-gauge reinforced steel, energy-absorbing core
Frame and track	Welded blast frame, reinforced top rail
Running gear	Heavy-duty rollers, bottom guides, anti-jump locks
Sealing	Blast, smoke and dust seals
Locking	Multi-point, access-control compatible
Combined protection	Fire · bullet · acoustic · forced entry · gas-tight

Where it is used

Oil and gas plants · Refineries · Petrochemical plants · Control rooms · Substations and switchgear rooms · Power plants · Compressor and pump stations · Data centres · Government buildings · Military facilities · Ammunition and weapon stores · Hangars and workshops · Test cells and laboratories · Chemical and pharmaceutical plants · Safe rooms · Critical infrastructure

Confirm the complete configuration. Ratings apply to the tested assembly and its permitted sizes. Blast loads and supporting structure are confirmed for each project before ordering.

Send us your drawings and specification.

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