



Securaguard Blast Door Set

HIGH SECURITY DOORS

A blast resistant door set which has been successfully tested to actual blast conditions at the Woomera rocket range.

ARA Manufacture's Securaguard blast door set is designed with a door panel to frame shock absorber system (patent pending) which enables the door leaf to move and absorb the shock of an explosion without incurring damage to the remainder of the door.



OVERVIEW

This Securaguard blast door design enables the door system to be fully operational after a blast. The system has such strength that the entire door system may remain intact and not need replacing after a blast (tested with a 500 kg TNT blast detonated 30 metres from the door installed in a concrete bunker).

The Securaguard blast door has been tested twice at the Woomera rocket range:

- 500 kg ANFO (415Kg TNT) from a standoff distance of 30 metres
- 5000 kg TNT from a standoff distance of 68 metres

APPLICATIONS

ARA Manufacture's Securaguard blast door is suitable for use in guardhouses and high security areas in embassies, power stations, gas plants, chemical plants and mining sites.

SPECIFICATIONS

- **Thickness:** 60mm thick door leaf with primed steel finish skin over a welded inner frame (powder-coated or stainless-steel clad optional).
- **Lock:** Internally mounted manual 4 point locking system comprising head and three jamb position locking using high tensile locking bolts. (Automatic operation and relocking facility with electronic local or remote access features is optional).
- **Frame:** 3mm thick folded four sided steel frame to suit pre-cast concrete opening.
- **Hinge:** Full heavy duty piano hinge system in stainless steel.
- **Vision panel:** Tested with vision panel 950mm high x 150mm wide to meet above blast ratings (vision panel optional).
- **Closer:** Hydraulic door closer as standard (automatic closer/opener is optional)
- **Seals:** Dust and weather seals are optional.
- **Pressure conditions:** Tested to peak reflected over pressure 272.8 (kPa), arrival time 71.6 (msec), peak reflected impulse 1577.7 (kPa.msec).

Specifications are subject to change without notice.

SIZE

2140mm high x 1020mm wide.

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