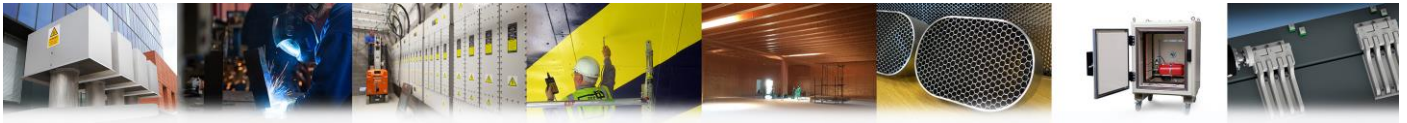


Specification for Steel Hinged Blast Doors



Blast Doors are constructed using Steel box section and steel sheet, which is fully welded as per the design specification. The frame is designed for casting into the door opening. It is recommended that Blast Door frames are CAST into the building's fabric. This provides a stronger mounting and means no drilling or unnecessary penetrations through the host building wall around the opening.

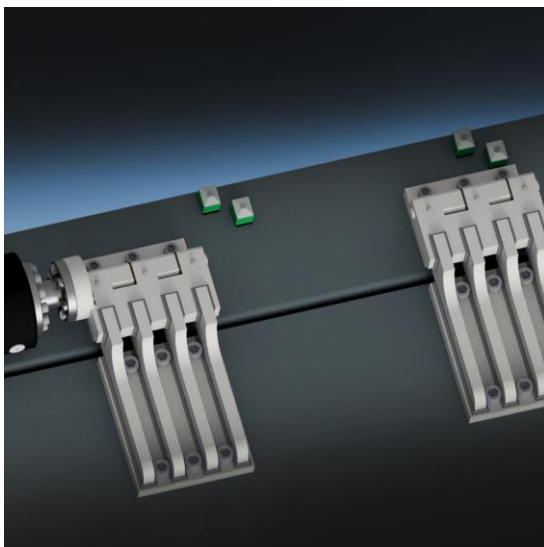
Standard Specification

The standard specification will exceed the following specification: 25 psi and the blast effect of a 500 lb bomb within 100ft (30m). Class A fragment penetration. The blast proof doors are to be designed to resist the effects of a cased 500lb charge (standard US MK117 Bomb) at 100ft standoff. In the absence of further detailed information, this has been interpreted as a standard general-purpose bomb.

Total charge weight (H-6/Tritonal) = 734lb (334kgs)
Equivalent TNT = 488lb (222kgs)
Peak Reflected Pressure, $P_r = 99.1\text{kPa}$
Reflected Impulse, $I_r = 752.9\text{kPa}\cdot\text{ms}$
Idealised Triangular-decay duration, $t = 15.2\text{ms}$
LPG weapon direct hit

Installation

Complete or supervised installation is optional by EEP.



Specification for Steel Hinged Blast Doors

About Us

Established in 1996, European EMC Products (EEP) are an established British company whose experience and understanding of the science of shielding makes it an ideal partner in whom you can place your trust with confidence. The purpose of installing EEP shielding systems is to protect people and equipment against the threats posed by electromagnetic and radio frequency (RF) interference, radiation, magnetic fields and electromagnetic pulses. Our diverse range of turnkey products and services, including design, project management, testing and consultancy are delivered across multiple sectors to an international client base.

Quality

European EMC Products Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.
Registered Scope: The design, assembly, installation, servicing and testing of RF Shielded Structures and equipment including EMI Shielding, Blast Doors, Gas Tight Doors and specialised mobile Electromagnetic Pulse Protection (EMPP) containers.
Radio Frequency, Magnetic Shielding and Quench systems for MRI (Magnetic Resonance Imaging) scanners.
The design, assembly and installation of Ionising Radiation Protection facilities.
The design, manufacture and installation of LED lighting systems for medical applications.
EEP Filters Limited are registered to BS EN ISO 9001:2015, Certificate Number FS38901.
Registered Scope: The design, manufacture, management of installation and testing of high performance EMC and EMP Power and Data Line Filters.

Disclaimer

NB: All the information provided within this datasheet is for reference only. Product specifications are subject to change without notice.