



High-security door O·S·T® Barrier

Efficient facility protection through high-security technology

The SOMMER O·S·T® Barrier door is a security door designed to meet differing and combinable requirements.

Highlights

- Resistance classes Barrier B, C and D per currently valid requirements of Tatmittelkatalog (device catalogue) RS I 6 - 13143/20. 10 load assumptions for designing nuclear plants and facilities against interference or other actions of third parties (SEWD directive)
- Intrusion resistance above the requirements of Resistance Class RC6 per DIN EN 1627-30
- Bullet resistance
- Explosion resistance
- Air Plane Crash (APC); kerosine fire requirements can be met
- High resistance to natural forces like tornados, earthquakes, flooding
- Corrosion resistance through high-quality coating, moving parts in the locking mechanism made of hot-dip galvanised stainless steel
- Low maintenance
- Gate is completely automated for remote control

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Technical data



DESCRIPTION

Steel door leaf with integrated supporting structure, filled with mineral or hard ceramic infill or multi-layer door leaf with armoured infills. SOMMER locking mechanism with automatic locking. Tough hinges - built to requirement. Frames designed to fit the door configuration

MODELS



1-leaf



2-leaf

REQUIREMENTS

- Resistance classes Barrier C20, C40 and C80 analogous to concrete wall thicknesses
- Airplane crash-proof construction as penetration protection
- Stable construction in case of earthquake in accordance with required response spectra or acceleration values
- Shielding against radiation of all kinds per the design specifications
- Protection against high-frequency electromagnetic pulses (HEMP) per MIL-STD-188-125-2
- Protection from electromagnetic pulses (LEMP) per MIL-STD-188-125-2
- Noise protection per DIN EN ISO 140/717
- Impermeable to gas, water and kerosine
- Pressure resistance against pressure and explosion waves
- Fire and smoke protection per national regulations
- Ballistic resistance per EN 1522/1523
- Tornado (auto/tube)

SIZE RANGES (BASIC DIMENSIONS)

Unrestricted

OPTIONAL EQUIPMENT

- Automatic opening, electric/pneumatic/electro-hydraulic
- Complete electric or pneumatic unlocking
- Boltwork heating
- Electromagnetic remote unlocking
- Door monitoring (condition detector)
- Connection to access control systems
- Panic lever blocking
- Man-trap locking
- Combination locks
- Pneumatic seal system
- Surface detection