

Air Blast TITAN

Big dimension explosion-proof door

DONIMET
ASSA ABLOY

Experience a safer
and more open world



Resistance
to a 7 bar shock wave



Explosion resistance
of EXR5 class



Burglar
resistance RC6



Donimet is a manufacturing company founded in 1988 in which, from the very beginning, the emphasis has been on high quality production and professional customer service, thanks to which the company has gained reputation and recognition in the market.

We offer products with high safety and excellent performance characteristics that meet the requirements of European standards and industry requirements, confirmed by authorised research institutes, such as: Łukasiewicz - Warsaw Institute of Technology, the Military Institute of Armament Technology, the Building Research Institute and the Ship Technology Centre. Donimet products perform a very important function in commercial facilities, providing protection for the facility and safety for its users. Since 2020, Donimet has been part of the ASSA ABLOY Group, the world's market leader in access control.

Contact



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Benefits of working with us

- Production located in Poland
- Support of the large ASSA ABLOY group - security of the collaboration and supply chain
- Many years of experience and technical expertise
- Support in Polish and English
- Certification by accredited research institutes
- Wide range of doors in different security classes

First RC6 explosion-proof door, resistant to a 7 bar explosion, manufactured in Poland

Air Blast TITAN



Shockwave
resistance 7 bar



Explosion resistance
of EXR5 class



Burglary resistance
of RC6 class

Air Blast TITAN is an **RC6-rated** burglar-proof door with a **7 bar explosion resistance on both sides**. A solution that will find application in armament stores and other facilities prone to explosion. The door has been tested on a military training ground by a team of experienced specialists from the **Explosives Research Department of the Military Institute of Armament Technology** and have been awarded conformity certificates no. P41/121/2024 and P41/122/2024 issued by the **Warsaw Institute of Technology**.

Despite its size and massive construction, the Air Blast TITAN door retains the functions of a normal external door, which means that it remains weather-tight as well as acoustically and thermally tight without being sealed by additional pressing systems, which would certainly make it more difficult to operate. The door leaves are covered on both sides with a specially developed, proprietary and very light explosion-proof armour that disperses the blast wave.

Air Blast TITAN is a solution intended for the military, but will also work well wherever there is a risk of an explosion of significant force. **It can withstand the explosion of a 20 kg TNT charge** in the immediate vicinity of the door, after which it remains sealed and secure.



Surface finish

- powder-coated in a RAL colour

Applications:

- military, governmental, diplomatic, police and all other facilities exposed to the risk of attack by explosives,
- laboratories where research is carried out that poses a risk of explosion,
- industrial facilities, in particular petrochemical, power generation - nuclear and others where there is a risk of explosion,
- explosive areas with the risk of explosive atmospheres (gases, dust).



Air Blast ABT 7.1 TITAN

Explosion-proof door - resistant on both sides to a shock wave of 7 bar.

Single-leaf, steel door with burglary resistance class RC6. The steel leaves are made of galvanised metal sheet filled with mineral wool suspended on six bearing hinges.

Bolted on all four edges. Protected on both sides with explosion-proof armour. C-type profile frame with a groove under the gasket and a threshold. Maximum clear opening dimensions 1,420 x 3,000 mm.

Basic equipment:

- Internal mortise lock certified to PN-EN 1637 class 7
- Hand lever operated multi-point locking mechanism
- Anti-burglary bolts
- Steel pull handles on both sides



Additional equipment:

- Class 7 lock
- Bolt lockable with a padlock, security class 5 and corrosion resistance class 3 according to PN-EN 12320 with the possibility of locking the bolt in the open position to prevent unauthorised locking
- Sealing kit

Notes:

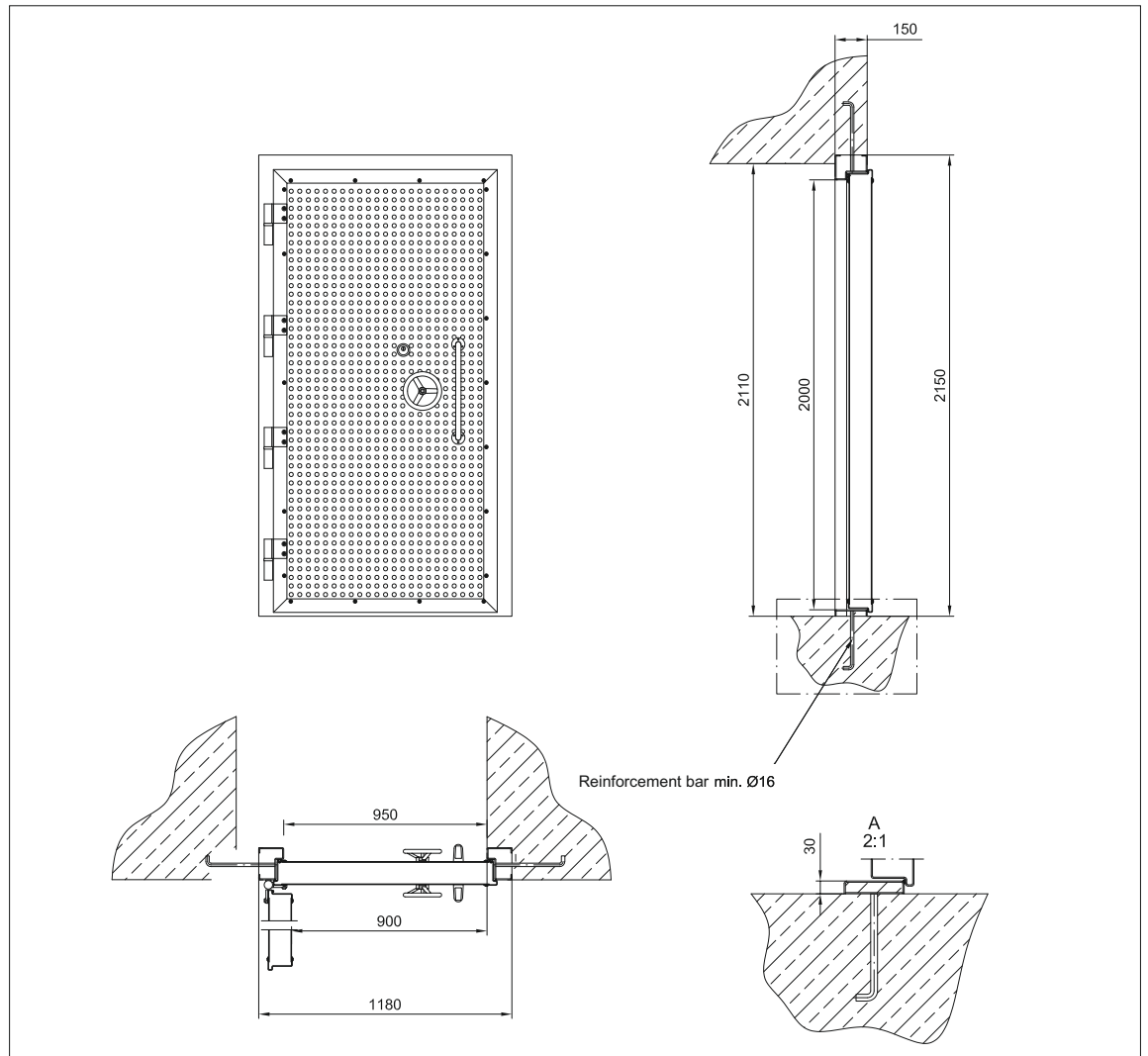
- Frame with possibility of anchoring to building reinforcement
- Teletechnical requirements must be taken into account when ordering doors

Certified performance

Property	Classification/value	Norma klasyfikacyjna
Shockwave resistance	7 bar	PN-EN 13123-2:2004
Explosion resistance	class EXR5 20 kg TNT at the distance of 3 M.	PN-EN 13123-2:2004
Burglary resistance	RC6 class	PN-EN 1627:2012
Resistance to wind load	C2 class	PN-EN 12210:2016
Water tightness	4A class	PN-EN 12208:2001
Air permeability	4 class	PN-EN 12207:2001
Mechanical strength	4 class	PN-EN 1192:2001
Sound insulation	Rw=40 dB	PN-EN ISO 717-1:2013

Certificates of conformity no. P41/121/2024 and P41/122/2024 issued by the Warsaw Institute of Technology.

Basic dimensions



Air Blast ABT 7.1/2 TITAN

Explosion-proof door - resistant on both sides to a shock wave of 7 bar.

Double-leaf, steel door with burglary resistance class RC6. The steel leaves are made of galvanised metal sheet filled with mineral wool suspended on six bearing hinges.

Bolted on all four edges. Protected on both sides with explosion-proof armour. C-type profile frame with a groove under the gasket and a threshold. Maximum clear opening dimensions 2910 x 3,000 mm.

Basic equipment:

- Internal mortise lock certified to PN-EN 1637 class 7
- Multipoint locking mechanism in the active and inactive leaf with hand lever control
- Anti-burglary bolts
- Steel pull handles on both sides



Additional equipment:

- Class 7 lock
- Bolt lockable with a padlock, security class 5 and corrosion resistance class 3 according to PN-EN 12320 with the possibility of locking the bolt in the open position to prevent unauthorised locking
- Sealing kit

Notes:

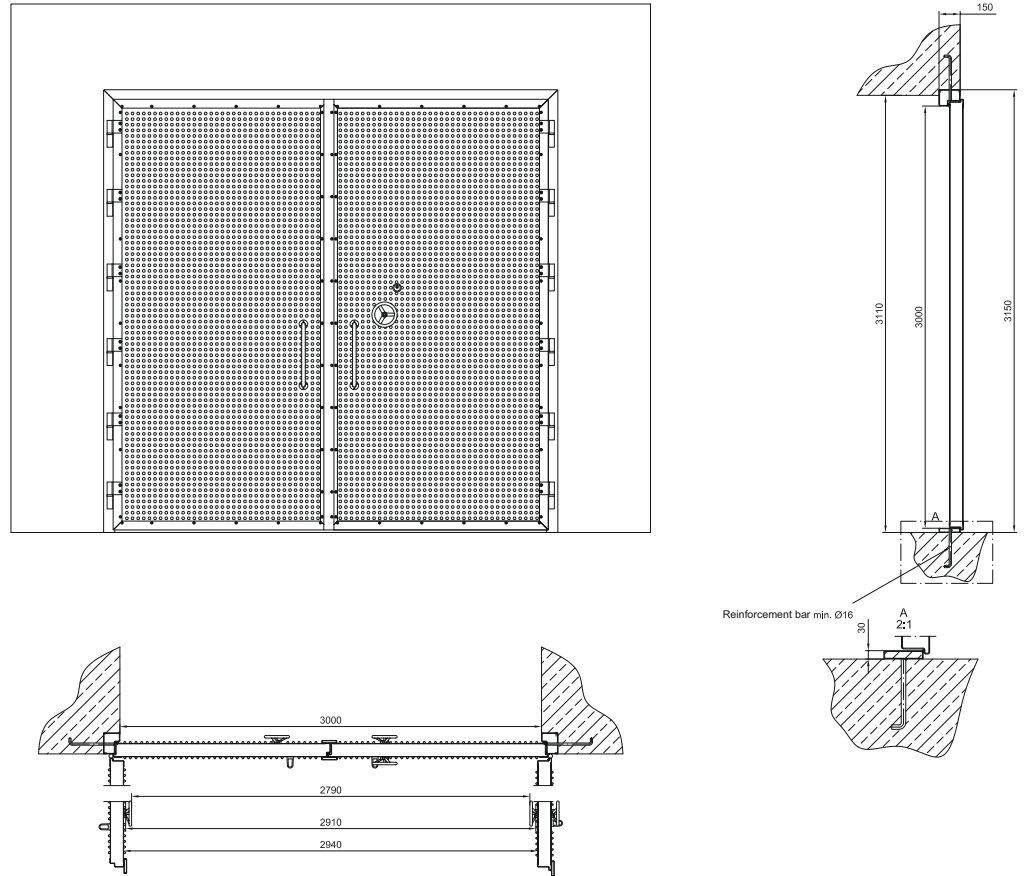
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Basic dimensions



The ASSA ABLOY Group is the global leader
in access solutions. Every day, we help billions
of people experience a more open world.

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