



DARTEK IA

Thermally insulated aluminium bullet resistant doors and partitions

Reducing the consumption of energy in buildings and protecting the environment is a major challenge for many companies.

Fichet bullet resistant doors have been designed to protect premises and their occupants against ballistic attacks, whilst maintaining an elegant appearance and saving energy. They are manufactured to be compliant with the Directive of the European Parliament on the energy performance of buildings.

The DarTek IA range consists of fully certified doors tested by independent bodies according to the relevant European standards (EN 1522) ensuring that Fichet meets the toughest security needs and expectations by providing a solution that offers the right protection against the identified risk. Since aluminium is a material easy to shape and form, the DarTek IA is an optimal solution to combine design and function requirements.

The ease of integration into the building, the high degree of design choice including dimensions, finishes and colours mean that the DartTek IA doors are versatile and can be used for building refurbishments and new constructions. Additionally the DarTek IA range offers a selection of partitions and windows to allow the design of complete façade or enclosure solutions.

DARTEK IA

Material

Framework	Extruded aluminium with polyamide thermal break profile in combination with steel armour
Infill	Laminated security glass or solid infill made of an aluminium panel on the attack side and white colour laminated on the secure side
Finish	Powder coat to RAL 9010, 9006, 7035 or 7037

Standard equipment

Locking	1-point mechanical Euro Lock
Handle	Lever handle on both secure and attack sides

Construction

Opening	Up to 150° inward or outward (depending upon model)
DIN	Left or right
Standard clear opening	From 760mm to 1050mm at 90° opening

Reference standard

The certified bullet resistant range is tested to EN 1522 for the complete doorset. Standard EN 1522 defines 7 bullet resistance levels for:

- Pistols: FB2 to FB4
- Rifles: FB1 and FB7
- Assault rifles: FB5 and FB6
- Shotguns: FSG
- Glass: BR1 to BR7 EN 1063, SG1 to SG2 EN 1063

Models

- Certified Bullet Resistant Doors DarTek IA3 to IA6

Applications

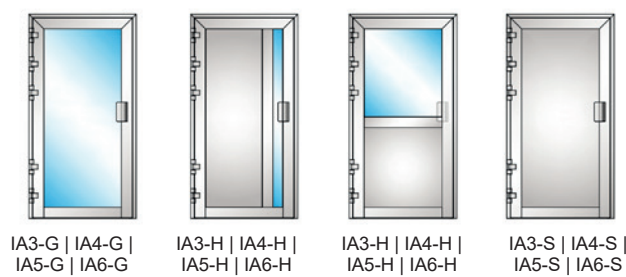
- Banks
- Embassies
- Government buildings
- Military sites
- Cash Centers
- Police stations
- Prisons
- ...

Options

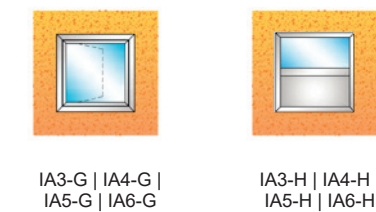
- Alternative RAL colours or anodised finish
- Door position contact switch
- High security cylinder
- Choice of mechanical Euro Lock and electric locks
- Push buttons
- Choice of handle types
- Panic bar

Range composition

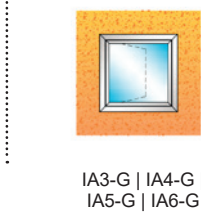
DarTek IA doors



DarTek IA partitions



DarTek IA windows



KEY FEATURES

- Elegant appearance.
- Certified bullet resistance.
- Reduction of the consumption of energy in the building.
- Finishes and dimensions versatility.
- Complementary bullet resistant windows and partitions.
- Aluminium is a green product. It can be recycled infinitely without compromising the quality.

DARTEK IA



Standard technical specifications

Model	Rating	Leaf	Overall dimension of the door		Door opening at 90°		Aluminium framework	Infill
			Total standard width (mm)	Total standard height (mm)	Passage width (mm)	Passage height (mm)		
DarTek IA3-S	FB3 to EN 1522	Single / Double	1150 / 2130	2130	900 / 1800	2050	92mm thick	Solid
DarTek IA3-G								Glass BR3 to EN 1063
DarTek IA4-S	FB4/FSG to EN 1522	Single / Double	1150 / 2130	2130	900 / 1800	2050	92mm thick	Solid
DarTek IA4-G								Glass BR4 to EN 1063
DarTek IA5-S	FB5/FSG to EN 1522	Single / Double	1150 / 2130	2130	900 / 1800	2050	92mm thick	Solid
DarTek IA5-G								Glass BR5 to EN 1063
DarTek IA6-S	FB6/FSG to EN 1522	Single / Double	1150 / 2130	2130	900 / 1800	2050	92mm thick	Solid
DarTek IA6-G								Glass BR6 to EN 1063

Optional technical specifications

Model	Non standard width (mm)	Non standard height (mm)	Electric locking
DarTek IA3-S	980–1280 / 1300–2500	2050–2500	○
DarTek IA3-G			
DarTek IA4-S	980–1280 / 1300–2500	2050–2500	○
DarTek IA4-G			
DarTek IA5-S	980–1280 / 1300–2500	2050–2500	○
DarTek IA5-G			
DarTek IA6-S	980–1280 / 1300–2500	2050–2500	○
DarTek IA6-G			

○ Optional

Thermal Insulation Performance for the profile
Uf=2,49W/m2K. EN ISO 10077-2

Dimensions (mm)

	Door	W Overall width	PW Passage width (90°)	COW Clear opening width	H Overall height	PH Passage height
DarTek IA (92mm-thick)	Single	W	W-220 (OO) W-250 (IO)	COW-140 (OO) COW-165 (IO)	H	H-70 (OO) H-82 (IO)
	Double	W	W-295 (OO) W-330 (IO)	COW-140 (OO) COW-165 (IO)	H	H-70 (OO) H-82 (IO)

OO: Outward Opening
IO: Inward Opening

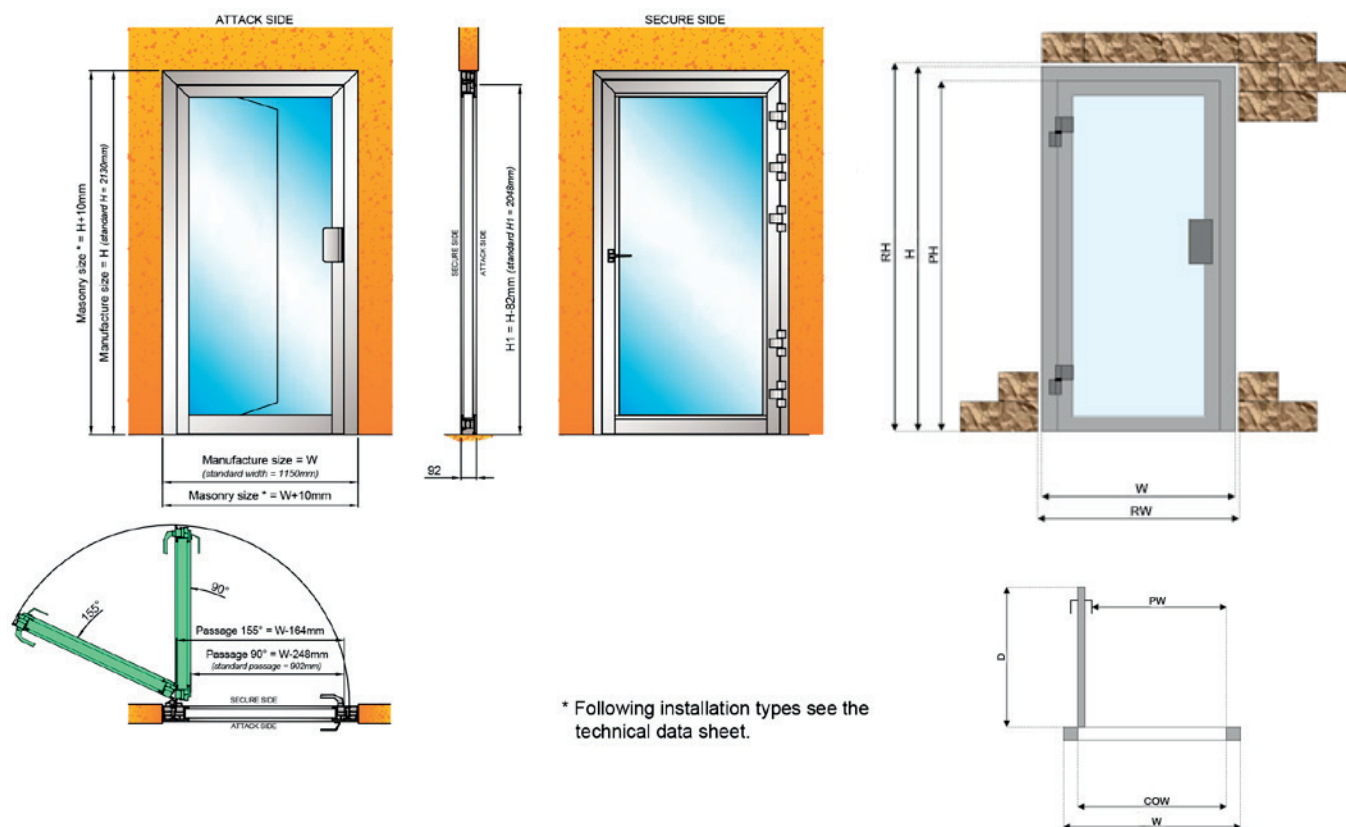
RW Reserved Width/RH Reserved Hight*	
Masonry (stone or concrete)	W +10mm/H +10mm

* Valid for DarTek IA doors, partitions and windows.

DARTEK IA

Site preparation

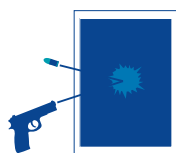
DarTek IA single leaf doors



Drawings are also available for the DarTek IA partitions and windows.

Notices:

- The product performance depends upon the quality of its installation. All installation details are provided in the DarTek A installation manual.
- Certificates for bullet resistance are available on demand. Contact Fichet for any certificates request.



Ballistic
Resistance



Energy
savings



Eco-design



Recyclable
product



Emergency
Exit