

DNA

PRODUCTS

Steel Security & Fire Rated Doors Brochure





The DNA Products Steel Security Doors have been specially designed to secure your property and prevent costly break-ins. Built from corrosion resistant high-tensile steel and powder coated to match whatever colours you may already have our doors are a great choice for your security needs.

A popular option with all our customers, our security doors are available with a range of options ensuring we supply the best combination for your specific requirements. The quality of the steel used in their construction means that our doors are far superior to any composite, wood or uPVC external doors you may consider for your property. A door made from galvanised steel will be long-lasting, require low maintenance, offer high security and, because of their long life, offer incredible value for money.

Available in a wide range of thicknesses and weights meaning we can offer varying levels of security as thicker doors will offer better security. The door frames are also made of steel which prevents damaging the frame to access your premises, as is often the case with uPVC or wooden door frames.





Available as a single leaf or double leaf doors they are well suited for different entry and exit ways. They are also suitable for internal or external use.

The addition of weatherseals will make sure you have maximum protection from the elements.

There are many applications where our doors may be of use. From Factories and Warehouses to Schools, Hotels and Hospitals. If you speak to our sales team about your specific requirements, you will see we even offer thermal variants suitable for Coldrooms and Chillers.

Steel doors have always been considered industrial in nature as they were bulky and unattractive in the past. Over the past few years there has been a lot of focus on making our steel door range more attractive and versatile. The entrance way to your business can often be the first impression a visitor will have of your company.

We can offer many colours, patterns, and finishes to make your door look far less industrial and more attractive.





Sometimes air flow and ventilation are required. Our louvered doors allow air circulation while maintaining their function as a security door. Many different sizes are available to best suit your needs.

Vision panels or windows may also be required for visibility. We have several shapes and sizes in our range.

Benefits of steel doors

Our Steel Doors are typically made by filling a mineral wool, polyurethane or polystyrene foam core between two double skin steel leaves. This greatly increases the insulation of the door, improving energy efficiency and sound insulation.

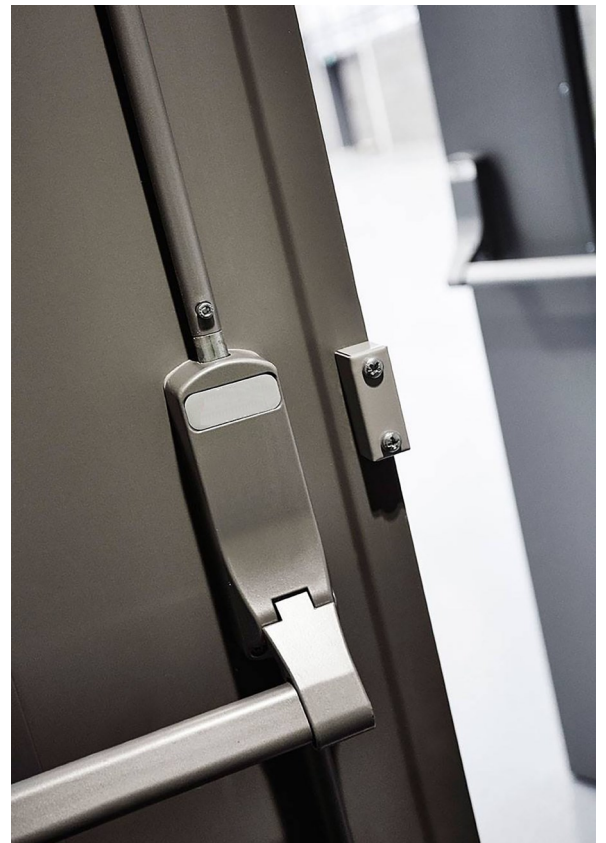
A powder coated finish means our doors are unlikely to need repainting saving further future costs on upkeep. Steel doors also do not warp or react with moisture or extreme heat and are great at blocking unwanted noise.

Steel doors are far more resistant to fire by design. However, they can also guarantee against fire spread for a given amount of time if a fire-certified door is chosen.

DON'T FORGET - Steel doors cannot be altered to fit, so you need to measure the door opening accurately before making a purchase. Our sales team are also available to come to site and measure the doorway for you.

FIRE EXIT

These doors are available with Panic Bar activation, Door Closer and all signage for use on Fire Exits.





Our Steel Doors are manufactured from 1.5mm galvanised steel and internal steel strengthening as standard. Frames are 2mm galvanised steel and have 2mm stainless steel thresholds making our doors longer lasting and stronger.

Structural opening sizes (mm)**

	Max width	Max height
Single leaf	1470	2970
Double leaf	2860	2970

** Based on a 33mm wide frame. For oversized doors, please enquire.

Bolted corners give our doors rigidity and the threaded fixing adjusters make it quick and easy to fit leading to exceptional results in the marketplace.

Over Panels/Side Panels

Over panels and side panels can be incorporated, both fixed and removeable for maximum access. Panels can be single or double glazed, solid to match the door leaf, or louvred.

Door Leaf

Manufactured from two 1.5mm Galvanised steel skins, folded and mechanically fixed to form a strong and rigid 45mm thick door leaf, filled with internal steel strengtheners and mineral wool for ultimate insulation. Anti-jemmy flanges to the leading edge of the leaf provide excellent jemmy resistance.

Frame

90mm frames are pressed from 2mm Galvanised steel to form a single rebated profile. Profiled headers form a smooth butt joint with the vertical posts and are joined together utilising strong M8 bolts to provide positive rigidity. The special fast fit frame is able to compensate for most irregularities in the opening with 16no threaded fixing adjusters per doorset. They permit a tolerance of up to 18mm on each side of the door. Shims and packers are not necessary making an extremely secure fix. Frames can be insulated if required.

Thermal performance

We achieve a rating of 2.2W/m²K based on a door size of 1090mm x 2090mm WxH - values may vary slightly depending on size and finished colour of doorset.

Thresholds

DDA compliant 2mm stainless steel threshold bolted into the vertical frame posts. Available in outward opening, inward opening and ramped.

Seal

For optimum weather, thermal and acoustic performance, a tubular silicone/rubber is bonded into the frame rebate to ensure effective sealing of the door/frame gap.

Hardware

Door leaves are hung from 4no stainless steel hinges for smooth operation and optimum weather resistance. Security dog bolts secure the leaf into the frame if the hinges are attacked. Additional hardware includes a range of locks, latches, lever handles, panic hardware, closers and door restrictors. On double doors, lever-action flush bolts can be installed within the leading edge of the inactive door leaf.

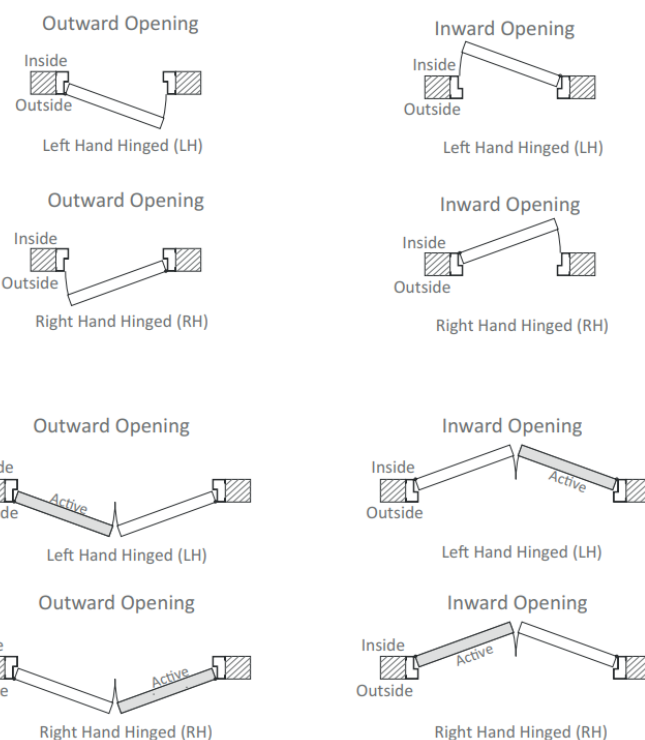
Finish

Powder coated to any RAL or BS standard and marine-grade option available if required.

Optional Extras

A full range of vision panels with laminated glass, Georgian wired glass, Pyroshield, Firelite or polycarbonate are available in various glass thicknesses.

Louvre panels to any sizes are also available. Both solid, louvred and glazed overpanels and side panels can be manufactured to suit individual customer requirements.





**Our Fire Rated Steel doorset has been successfully tested at Exova Warrington Fire to BS EN 1634-1:2008 in January 2014, Test No: WF336507.
Available with many ironmongery combinations and glazed options.**

The test reference WF Test No. 336507 was performed on a specimen of a double leaf doorset incorporating unlatched door leaves. The doorset had overall dimensions of 1760mm wide by 2090mm high and incorporated two door leaves. An astragal was included to the meeting stiles.

Our Fire Rated Steel doorsets are manufactured using the same construction methods as our standard Steel Doors giving ultimate security with; 1.5mm galvanised door skins, 2mm frame, 2mm stainless steel threshold and mineral wool core for excellent thermal qualities of 2.2W/m²K.

See below for differences in specification from our standard Steel Doors:

Vision Panels and Glazing Systems

The active leaf in fire test WF 336507 included two vision panels with the upper panel having overall dimensions of 203mm wide x 711mm high. And the lower panel 203mm wide x 508mm high. This test demonstrated that the inclusion of vision panels will not be detrimental to a fire performance of unlatched door leaves for a period of up to 240 minutes.

For doorsets that are required to have 120 minute fire resistance, the height of the vision panel can be increased by 15% and the maximum area to be increased by 20%. The maximum permitted vision panel dimensions are 818mm high or 416mm wide.



— Have a Question? —

Please take your time to have a look at all our products around our website. If you have a question do not hesitate to contact us on:
01472 361 601 or sales@dna-products.co.uk

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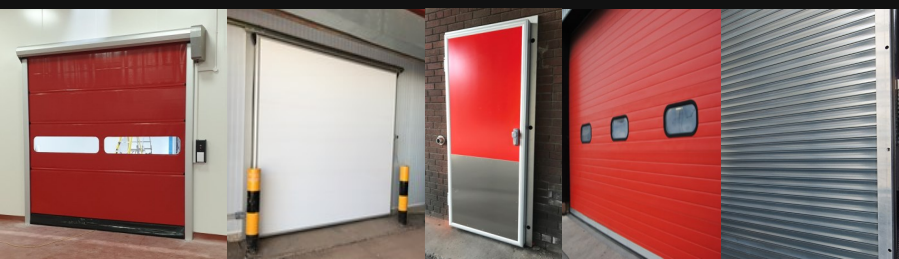
PRODUCTS

We supply, install, and maintain a wide range of products including Insulated Doors, High Speed Doors, Dock Levellers and Shelters, Coldrooms, Insulated Panels, Modular Shelving and many more. We have over a hundred years of experience in the industry between us and have worked with many different products giving us a wide range of knowledge and skills. We aim to supply a reliable service at the best possible prices.

📍 DNA Products, Unit 2 Holme Street, Grimsby, North East Lincolnshire, DN32 9AD

✉ sales@dna-products.co.uk

☎ 01472 361 601



NATIONWIDE
COVERAGE