PEARSON
INDUSTRIAL DOORS LTD

INNA-DOR

Internal Steel Doorsets

FIRE DOORS

Available with
60, 120 and 240 mins
fire protection

TESTED TO

BS 476 Parts 20 & 22
BS EN 1634

GLAS-DOR
OUTA-DOR
INNA-DOR
TUFF-DOR
SECUR-DOR
LOUVRED
HARDWARE & FINISHES

INNA-DOR

Fire Resistant Steel Doors

Robust has successfully redesigned steel doors away from their original industrial roots to provide a highly cost-effective single solution offering an aesthetic design, durable construction and fire protection for up to 4 hours.

The doors, fitted in internal and external applications in a wide variety of wall constructions, are designed to protect personnel & property from the spread of flames & smoke. Robust doors offer substantial benefits over comparable timber doors in strength, durability & security. The range has been tested to BS 476 Parts 20 & 22, and BS EN 1634.

> VERSIONS

We offer three versions – each providing increased fire protection (latched or unlatched):

INNA-DOR 60	INNA-DOR 120	INNA-DOR 240
UP TO **1 HOUR** (60 mins) Fire resistance	UP TO **2 HOURS** (120 mins) Fire resistance	UP TO **4 HOURS** (240 mins) Fire resistance

PEARSON INDUSTRIAL DOORS LTD
SALES: 07976 591906 | **e:** sales@pearsonindustrialdoors.co.uk

> DOOR LEAF

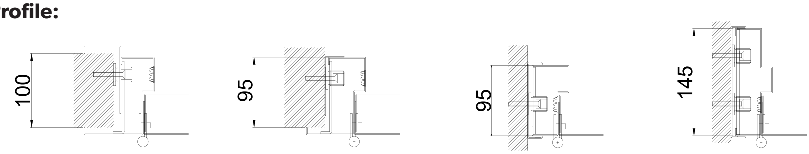
			INNA-DOR 60	INNA-DOR 120	INNA-DOR 240
Production Sizes: NB: Sizes quoted may exceed manufacturing limitations.			All fire resistant doors are custom made. The maximum size varies according to fire rating as shown below for Mild Steel and 316 or 304 Stainless Steel.		
Single Doors Latched (Single Swing)	Max Width	mm	1370	1370	1370
	Max Height	mm	2830	2830	2830
	Max Area	m^2	4.0	4.0	3.56
Single Doors Unlatched (Single Swing)	Max Width	mm	1300	1300	1300
	Max Height	mm	2500	2500	2500
	Max Area	m^2	2.96	2.96	2.96
Double Doors (Single Swing - latched or unlatched, equal or unequally split)	Max Width	mm	2650	2650	2650
	Max Height	mm	2830	2830	2830
	Max Area	m^2	4.0	4.0	3.56

Thickness:	54mm
Material:	1.2mm Corrosion resistant Magnelis© sheets as standard with a variety of colours and finishes available.
Infill:	Self support resin impregnated honeycomb core with option of mineral wool available for improved acoustic performance.
Construction:	A non welded construction from 2 skins of Magnelis© folded around a rigid core. Stainless steel 240minute fire rated doors must be fitted with a 'Z' and astragal section to form a rebated meeting stile.

> DOOR FRAME

Construction:	Folded from 1.5mm Magnelis©. Screw and tab construction with 4 no adjustable fixing feet per jamb. Variable sub frame supplied as standard to accommodate site tolerance of -0/+30mm. Frame is fitted with 3 no class 13 hinges with 2 no dog bolts

Profile:



TYPE A   TYPE B   TYPE C   TYPE D

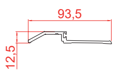
Types A & B available in both inward and outward opening versions.

> WALL CONSTRUCTION

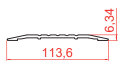
Construction Types:	All Robust Fire Doors (INNA-DOR 60, 120 & 240) can be used in all forms of Masonry, Concrete and Flexible Stud Wall (cold wall style). When using Timber or Steel Stud Walls the client must ensure they have adequate evidence that the wall can support steel fire doors under fire conditions. 120 & 240 rated Stud Wall constructions should have the walls' reveal face protected by a fire resting board to protect the wall construction.

> THRESHOLD

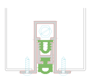
Standard



15mm aluminium (DDA compliant)



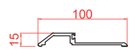
5mm aluminium driveable (DDA compliant)



Drop seal

No threshold

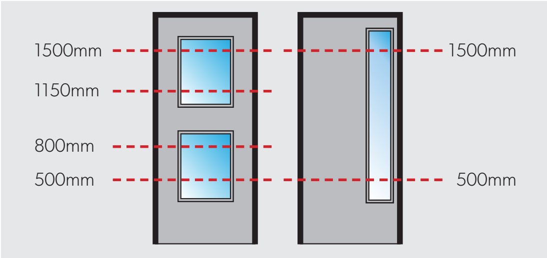
Optional



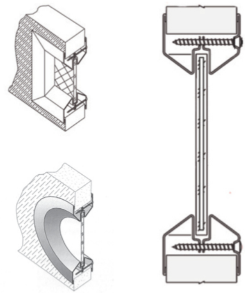
15mm steel pressed rebated threshold

Notes

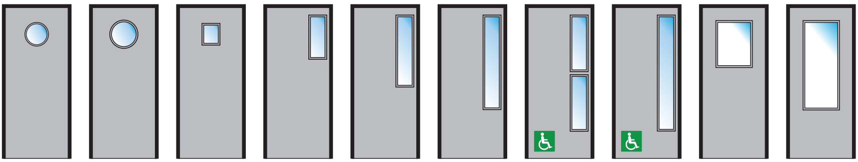
> VISION PANELS



Minimum zone of visibility



Standard Vision Panels - max size 508x1524mm per leaf. Please contact Sales for other options.



305 mm dia	457 mm dia	254x254 mm	254x559 mm	254x762 mm	254x1219 mm	254x762 254x559 mm Part M compliant	254x1524 mm Part M compliant*	610x610 mm*	610x1219 mm*

*Exceed maximum area for INNA-DOR 240 and cannot be used at that rating.

INNA-DOR 60 **INNA-DOR 120**

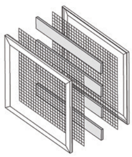
INNA-DOR 240

			INNA-DOR 60		INNA-DOR 120		INNA-DOR 240	
Permitted panel sizes:	Material		**SSS**	**M**	**SSS**	**M**	**SSS**	**M**
SSS = Standard Stainless Steel **M = Magnelis©**	Max Width	mm	396	610	396	610	214	214
	Max Height	mm	1631	1854	1631	1854	1483	1483
	Max Area	m^2	0.35	0.8	0.35	0.8	0.32	0.32
Standard glazings available: Other configurations and sizes available – please contact the Sales Office.			8mm Firelite Safety*		8mm Firelite Safety*		8mm Firelite Safety*	

> LOUVRE PANELS

Construction:	Consists of an intumescent block grille only 14mm thick within the door leaf and an FDLS two-part steel louvre set which fixes to both sides of the door and sandwiches the FB intumescent block. 18g Galvanised steel frame louvre blades. (Stainless steel Grade 304 and Grade 316 available to order.)
Applications:	Designed to be used on fire rated doors fitted to rooms that require ventilation. A standard louvre will allow ventilation but will also allow the passage of flames and smoke, but a Fire Block Louvre System will maintain the integrity of fire doors and prevent the spread of flames. Examples are doors to plant rooms, stores, computer rooms, changing facilities and manufacturing areas. In fact, any area that requires ventilation but is protected by a fire rated door.

			INNA-DOR 60	**INNA-DOR 120**	**INNA-DOR 240**
Permitted panel sizes:	Max Width	mm	610	610	610
	Max Height	mm	610	610	610
	Max Area	m^2	0.4	0.4	0.35
Allowed panels by relevant British Standard:	457 x 457 mm lower		BS 476 BS EN1634	BS 476 BS EN1634	BS 476 BS EN1634
	457 x 457 mm upper		BS 476	BS 476	BS 476
	457 x 457 mm upper and lower		BS 476	BS 476	
	610 x 610 mm lower		BS 476 BS EN1634	BS 476 BS EN1634	BS EN1634
	610 x 610mm upper		BS 476	BS 476	



> SIDE AND OVER PANEL ARRANGEMENTS

Construction:	Panels can be solid, glazed or louvred.
Applications:	Hinged panels, flush or glazed. Other glazing arrangements can be fitted subject to satisfactory evidence of testing in a steel door. Please consult the Sales office with specific requirements

			INNA-DOR 60	INNA-DOR 120	INNA-DOR 240
Solid permitted overpanel sizes (fixed and hinged):	Max Height	mm	2000	2000	2000
	Removable Transom		Yes	Yes	Yes
Permitted sidepanel sizes:	Max Width	mm	1300	1300	1300
	Max Height	mm	2830	2830	2830
Permitted glazed overpanel and sidepanel sizes:					
6mm Vetroflam/6mm Spacer /6mm Vetroflam:	Max Height	mm	2000	2000	
	Max Area	m^2	4.08	3.53	
8mm Firelite Safety:	Max Height	mm	2060	2060	2060
	Max Area	m^2	2.88	2.88	2.88

FINISHES

> STANDARD COLOUR FINISHES

All Robust doors are supplied with a choice of polyester powder coatings from our Standard PPC Colour Range (see chart on page 55)

> OPTIONAL FINISHES

We also offer a range of optional finishes to fit your exterior or interior application.

Polyester Powder Coated from Non-Standard Colour Range

PVC Laminate from Standard Range

Stainless Steel Brushed, Polished or Patterned

Unfinished for site finishing

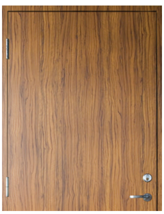
Woodgrain PVC Laminates

NORDIK OAK

ASH

MAHOGANY

MAGIC OAK



TEAK

CHERRY

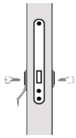
VIRGIN WHITE

GOLDEN OAK

LOCKS & HARDWARE

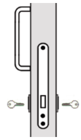
We stock a wide range of steel door parts, including: handles, locks, hinges, seals, panic hardware, closers & stays, cylinders, paint, thresholds, access control hardware, and plates.

> MORTICE LOCKS AND LATCHES



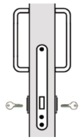
DEADLOCK ALT 1

DeadLock fitted with external cylinder pull, double cylinder and internal escutcheon. Standard for plant rooms.



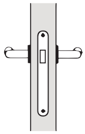
DEADLOCK ALT 2

Deadlock fitted with 19mm bolt through handle, and push plate to opposite side. Double cylinder with escutcheons as standard.



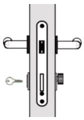
DEADLOCK ALT 3

Deadlock fitted with double 19mm bolt through handle. Double cylinder with escutcheons as standard.



LATCH

The standard latch fitting is with a pair of 19mm stainless steel levers, suitable for non-secure doors to provide privacy.

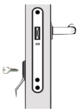


SASHLOCK

The standard fitting for sashlocks is with pair of 19mm stainless levers and a double cylinder deadbolt. Illustrated is optional thumbscrew on non-secure side.

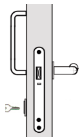
TOILET LOCK

As the sash lock but the deadbolt is fitted with a privacy/indicator set instead of a cylinder.



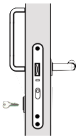
NIGHTLATCH ALT 1

Suitable for automatic locking entrance doors, used manually or in conjunction with an electric strike. Illustrated optional cylinder pull.



NIGHTLATCH ALT 2

As Alt 1 but fitted with a pull handle. Doors fitted electric strikes provide key access for authorised persons as a manual override, whilst the internal handle gives escape at all times.



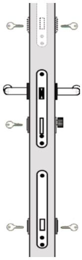
NIGHTLATCH WITH SNIB

The snib allows the locking latch to be secured within the lockcase giving free access. Doors with night latches are normally fitted with closers.

> MORTICE MULTI-POINT LOCKING

3-POINT SASHLOCK

This lock has a sashlock fitted centrally with top & bottom deadbolts. The cylinder operates all locks from the central point. Either a double or euro cylinder & turn can be fitted. An escape version is also available. Note this lock is only available on custom built doors.

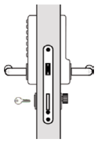


DEADLOCK ALT 2

Additional locks, usually deadlocks, can be fitted to standard doors to aid security. In the illustration are additional deadlocks & a sashlock, which can be fitted in either the upper or lower quarter, or both. The standard option is two locks, one fitted centrally and one in the lower quarter (it is more difficult to apply leverage to the upper half of a door when attacking it).

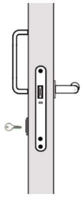
Additional locks can be fitted with panic bolts and latches to provide night time security, subject to Fire Regulations.
Typically locks are Hooply Sashlock or Deadlock with Securefast Escutcheons.

> LOCKING: ACCESS CONTROL



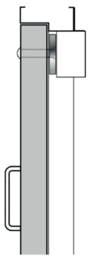
MECHANICAL KEYPAD

As standard this is provided with a latchbolt complete with a pair of stainless steel levers and a deadbolt for security, operated by a double cylinder. Illustrated is optional thumbscrew on non-secure side.



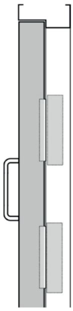
ELECTRIC STRIKE

As standard the door blade is fitted with a nightlatch complete with an external pull handle and internal half-lever. The lever allows manual egress from the inside (this can be replaced by a push button or a secure access system).
A half-cylinder can be fitted to allow fail-safe override. The strike can be activated by the full range of secure access systems, eg. keypad, swipe card, etc.
Available in 12 or 24vDC and with Fail Open (power to hold strike) or Fail Closed (power to open).



ELECTRO-MAGNET LOCK, SURFACE MOUNTED

Available in 12 or 24vDC the magnet can be activated by the range of security access systems, eg. keypad, swipe card, etc. It is fitted to the frame with a bolt through armature plate on the door blade. The magnet is locked when power is applied and automatically Fails Open when it is removed. The lock can be fitted to single or double doors.



ELECTRO-MAGNET LOCK, CONCEALED MOUNTING

The door is fitted with two mag-locks flush mounted into a special frame section, whilst the armature plates are recessed into the door blade. This arrangement is ideal for high traffic entrance doors to offices and flats, as it provides an esthetically pleasing door offering high secuirty and resistance to attack or abuse. The lock can be fitted to single or double doors (on double doors only active leaf operation is allowed).

Notes

> STANDARD PPC COLOUR CHART

RAL 1021 RAPE YELLOW	RAL 3000 FLAME RED	RAL 3020 TRAFFIC RED	RAL 5002 ULTRAMARINE BLUE	RAL 5003 SAPPHIRE BLUE
RAL 5005 SIGNAL BLUE	RAL 5010 GENTIAN BLUE	RAL 5011 STEEL BLUE	RAL 5012 LIGHT BLUE	RAL 5015 SKY BLUE
RAL 5024 PASTEL BLUE	RAL 6002 LEAF GREEN	RAL 6003 OLIVE GREEN	RAL 6005 MOSS GREEN	RAL 7000 SQUIRREL GREY
RAL 7004 SIGNAL GREY	RAL 7005 MOUSE GREY	RAL 7011 IRON GREY	RAL 7012 BASALT GREY	RAL 7015 SLATE GREY
RAL 7016 ANTHRACITE GREY	RAL 7021 BLACK GREY	RAL 7022 UMBRA GREY	RAL 7024 GRAPHITE GREY	RAL 7030 STONE GREY
RAL 7035 LIGHT GREY	RAL 7037 DUSTY GREY	RAL 7038 AGATE GREY	RAL 7039 QUARTZ GREY	RAL 7040 WINDOW GREY
RAL 7042 TRAFFIC GREY A	RAL 7043 TRAFFIC GREY	RAL 8004 COPPER BROWN	RAL 8019 GREY BROWN	RAL 9002 GREY WHITE
RAL 9003 SIGNAL WHITE	RAL 9004 SIGNAL BLACK	RAL 9005 JET BLACK	RAL 9006 SILVER	RAL 9007 GREY ALUMINIUM
RAL 9010 WHITE	RAL 9016 TRAFFIC WHITE	BS 04 E 53 POPPY RED	BS 08 B 29 VAN DYKE BROWN	BS 10 A 05 GOOSE WING GREY
BS 12 B 21 MOORLAND GREEN	BS 12 B 29 JUNIPER GREEN	BS 18 B 17 HERON	BS 18 B 25 MERLIN GREY	BS 18 E 53 COBALT BLUE

You always get more with Pearson Industrial Doors

10 YEAR ANTI-CORROSION WARRANTY

MADE-TO-MEASURE

10-DAY TURNAROUND
On standard specifications

HARDWARE FITTED IN FACTORY

HIGH QUALITY LOCKS AS STANDARD

FULL FITTING KITS SUPPLIED WITH EVERY DOOR

QUICK , HASSLE-FREE FITTING

SOME LITTLE EXTRAS

DELIVERY TO SITES ACROSS THE UK

INSTALLATION TRAINING AND SUPPORT

PEARSON
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All doors manufactured by
ROBUST UK

ROBUST
Steel Door Solutions
Scandinavian design. Manufactured in Britain

Individual specifications may vary as Robust UK conduct a policy of continuous product development.