CMD Fabricators

FIRE DOOR MANUFACTURER

DOORS FOR LIFE

"OUR SUCCESS LIES IN OUR CORE VALUE"

ABOUT US

CMD Fabricators specializes in fabricating steel doors for exterior and interior usage. CMD Fabricators with a strong backing of its present company envisions a successful trail for itself. Incepted in the year 2023, we " CMD Fabricators" are leading firm that is instrumental in Manufacturing and Supplying hollow metal pressed Steel doors, doors frames, Fire rated doors & Safety doors etc. The offered fire rated doors are widely demanded in commercial as well as residential places. Provided doors & door frames are manufactured as per the norms of IS 3614 Part II from quality assured raw material and the latest technology. These fire rated doors are appreciated by the clients due to their sturdy design, excellent strength, attractive look, well polishing, corrosion resistance and durable finish at most reasonable rates situated in Palghar, Maharashtra.

OUR TEAM

We have recruited a team of capable and hard-working professionals who are the core strength of our firm and work in synchronize manner with one another and with clients in order to fulfill their diverse requirements by providing qualitative doors. They are appointed by our management team on the basis of their talent, experience and market understanding. Besides, we conduct multiple seminars, workshops and training sessions in order to sharpen the skills and knowledge of our workforce.

WHY US

We are a quality-focused company and always put our 100% efforts to provide our clients with premium quality hollow metal pressed Steel doors & doors frames, Fire rated doors in several specifications within predefined time frame at most genuine rates.

Some of the reasons that have given us lead in this domain are as follows:

- Well-equipped warehouse
- Timely delivery
- Market leading prices

FIRE DOOR DEFINATION

Fire Doors are doors with fire-resistance rating and play an important role in fire protection and loss prevention. They are used as part of a passive fire protection system to reduce the spread of fire or smoke between compartments. Fire Doors enable safe escape from a building or structure during events like fire, earthquake, etc. Since Fire Doors have a distinct purpose, they have additional special characteristics than those of ordinary doors.

Ease of Access

Since fire doors are meant to be the safest exit points in cases of fire, they are usually painted with bright red color to be visible during emergency, and are often attached with push bars for ease of opening during fire panicking.

Visibility

In interior application to separate compartment zones, Fire Doors are most of the times required to be fitted with vision panels so that flames or smoke may be seen and collisions avoided.

Fire Rating

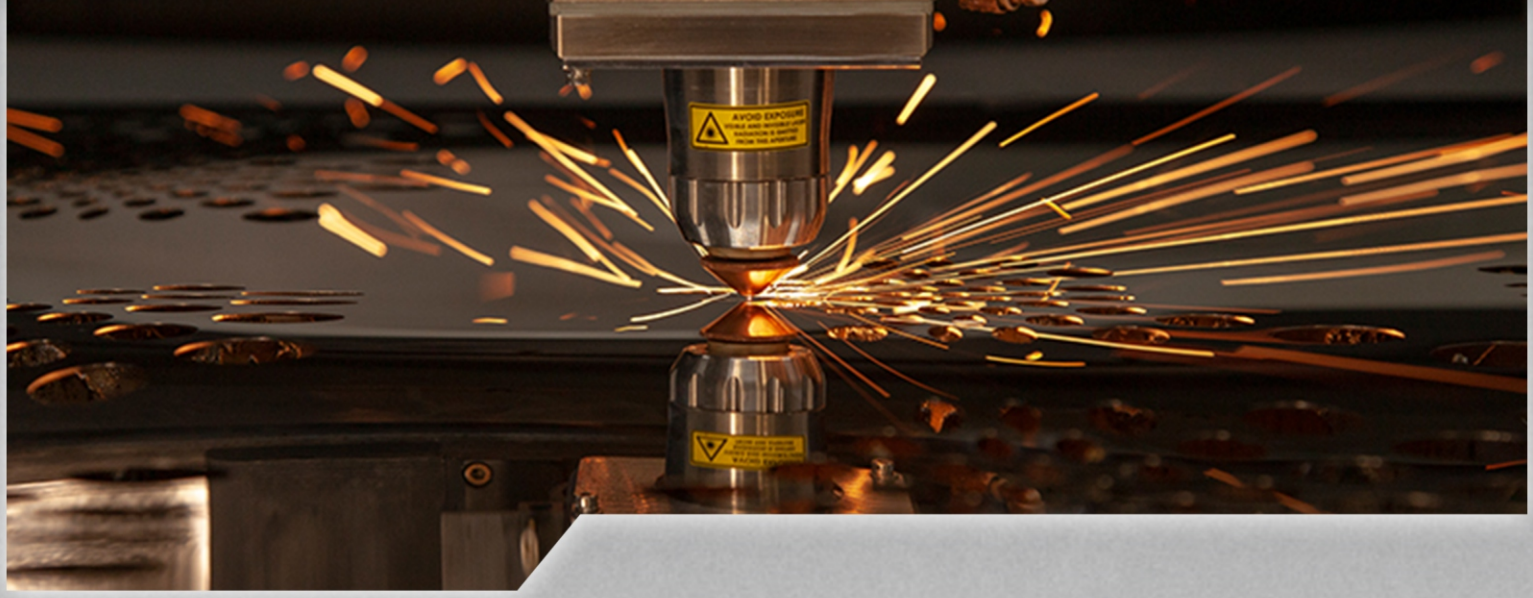
The most important attribute of Fire Doors is its fire rating. Fire rating is the door's capability to withstand fire and remain intact for the duration. Fire rating is measured in minutes (sometimes hours) the fire door was able to maintain integrity while subjected to fire.

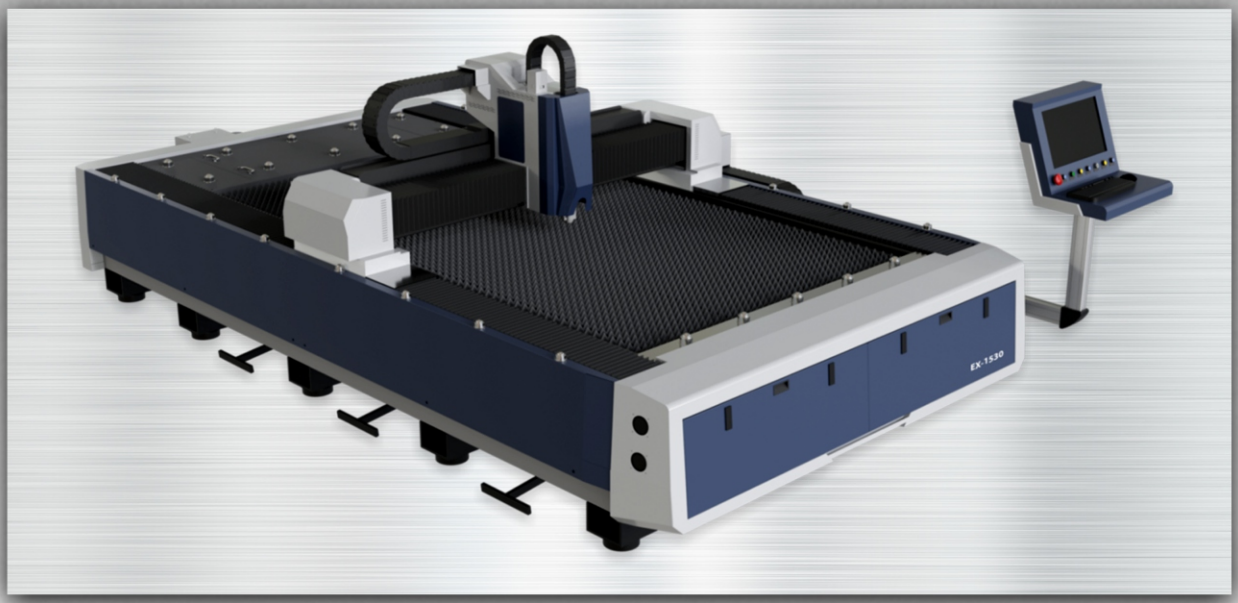
Air Tightness

Fire Doors serve as the access between the safe egress and a burning compartment, it is therefore important that fire doors do not permit smoke to the safe side. Fire doors are fitted with smoke seals to address this factor.

Acoustics

Although not as important as the other attributes, fire doors that reduce sound levels are sometimes requested. Acoustic fire doors are usually installed in schools, theaters, studios, etc.
CMD Fabricator., recognizing the vital role of fire doors in providing safety and loss-prevention, utilizes its extensive experience in fire engineering and introduces a product line of quality fire doors with great emphasis to the above attributes.





MANUFACTURING TECHNOLOGY

We have well equipped state of art manufacturing facilities in our plant to handle the requirements of client. The Manufacturing unit is equipped with latest machines like CNC Laser cutting, CNC Shearing machine, CNC Press Brake, NC Press Brake, Cold Press machine, Power Press machine & MIG welding machine for producing high quality doors with superior finishing.

Metal
Fire Doors

Features

Material option

-Galvanised

Fire Rating

- 60 & 120 Minutes as per IS 3614 Part II
- Powder Coated Colour Options
- Variety of Hardware options
- Fully Flush Finish

Technical Specifications

Door Frame

- Single or Double Rebate
- Sheet Thickness-1.20/1.60mm

Shutter - 46mm

- Sheet Thickness - 0.80/1.2mm
- Infill Materials - Mineral Wool
  Honeycomb
  Rockwool
- Stiffners as per Requirement
- Top and Bottam Stile Edges
- Fire Retardent Gaskets & Intumescent strip to resist smoke and fire
- Vision Panels with Fire Glass

120 Min
Fire Rating

Key Element
of Preventing
the Spread of
Fire

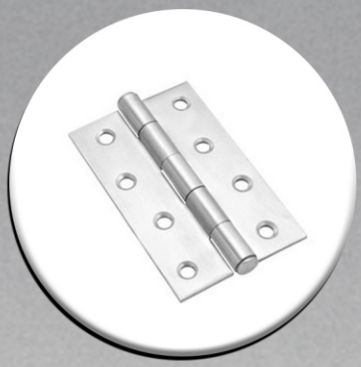
Saves Lives by
allowing rescue
services
more time

Certified by
The Top
agencies

DOOR HARDWARE SELECTION

D-HANDLE

PANIC BAR



HINGES

DOOR CLOSER

MORTISE DEAD LOCK

MORTISE SASH LOCK

CONCEALED
TOWER BOLT

FLUSH HANDLE

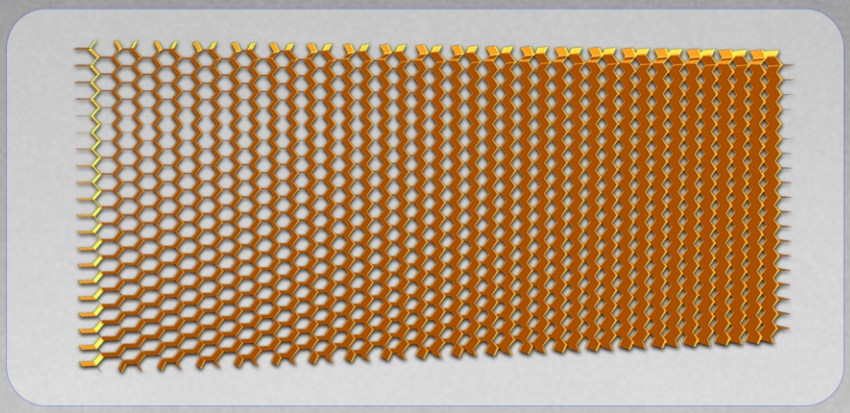
LEVER HANDLE

SHAFT LOCK

INFILL MATERIAL

HONEYCOMB DOOR INFILL

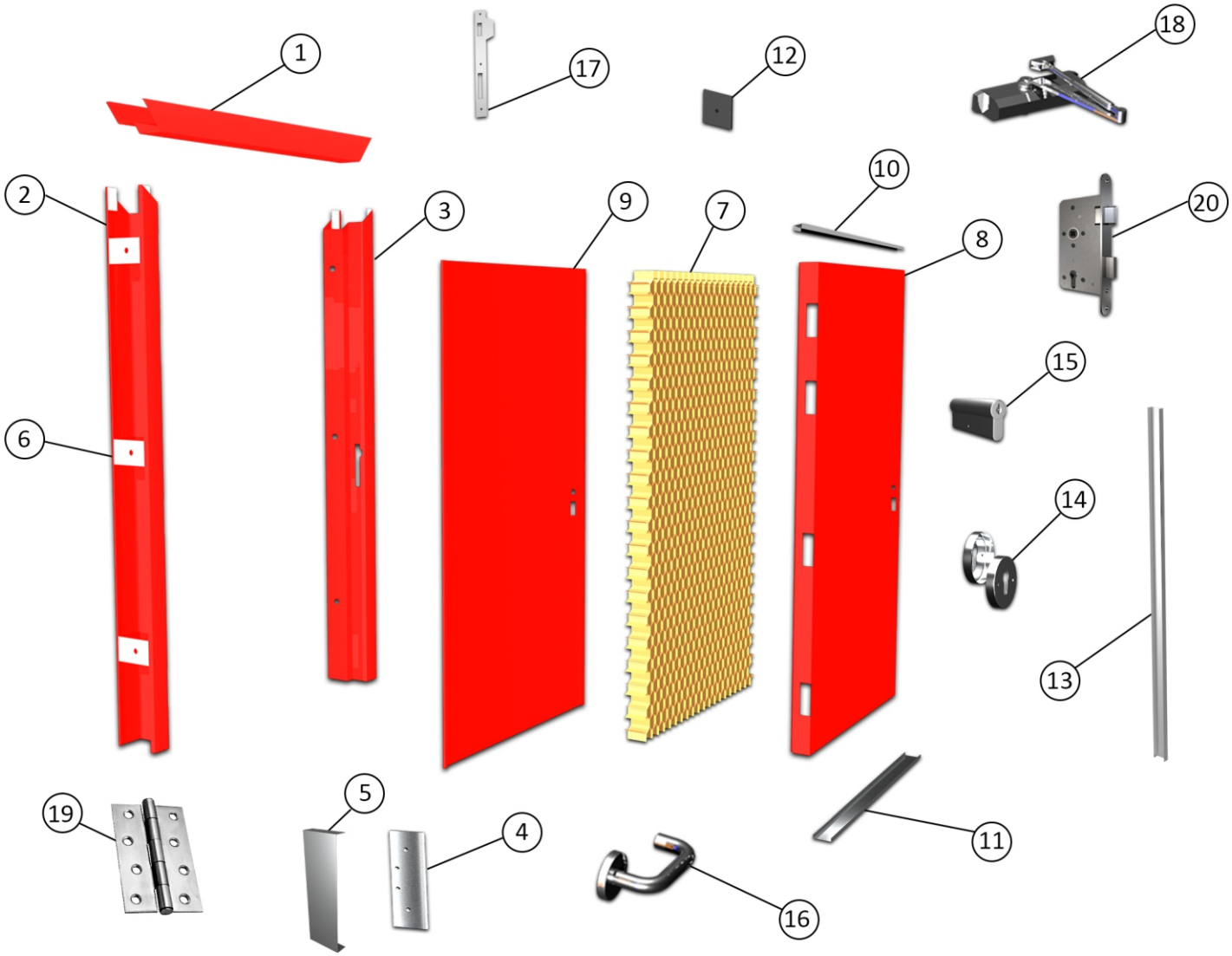
Honeycomb was originally developed as a structural core for military aircraft wings during World War II but was later used in standard metal doors in 1957. Among its advantages are a high strength- to-weight ratio, uniform crushing strength, high shear strength, and excellent impact resistance. It is durable, can be treated to resist decay and insects, and also provides sound deadening and insulating properties.
As door infill, the rigid honeycomb structure is integrated with the door to form hundreds of small I- beams with the door, with a uniform thickness and flat surface that makes it easy to add lites, louvers or other features. It reinforces the full width and height of the door. Honeycomb Core Doors may be used in exterior or interior applications.



ROCKWOOL DOOR INFILL

Rockwool as the name implies is made by melting diabase rock mixed with coke and limestone and converting them into fibers. The raw material diabase (basalt rock) is a pure volcanic material which is millions of years old. Rockwool is classified as an inorganic material and has an excellent resistance to high temperatures and possess superior acoustic properties.
As door core, Rockwool is used to fill in cavities of steel-stiffened doors. Steel Stiffened doors are used mainly for exterior doors, where rigidity is important. They are available in varying degrees of strength and quality. While the thickness of the stiffeners can vary, the majority are made of 20 gauge steel. Heavier gauges sometimes are used, particularly on security doors. Spacing between stiffeners may vary from 2” to 4”. They are usually welded to each other at the top and bottom, and to the inside door skins on 4” to 5” centers. The Rockwool Core CMD Fabricators uses for its fire doors has service temperature of 780oC when tested in accordance to DIN 52271 for 80mm thickness and 100kg/m3 density. Additionally, the core is water repellent, non-hygroscopic, and non-capillary. Other important properties are as follow:
- Water Absorption tested according to BS2972: Section 12 and ASTM C-209
- Thermal Conductivity in accordance with BS 874,equivalent ASTM C-177/C 518
- Sound Absorption in accordance with BS 3638 & ISO 354, equivalent ASTM C 423
- Non-combustible in accordance with BS 476: Part 4 1970 and ASTM E-136, Class A to ASTM E-84

EXPLODED VIEW OF DOOR

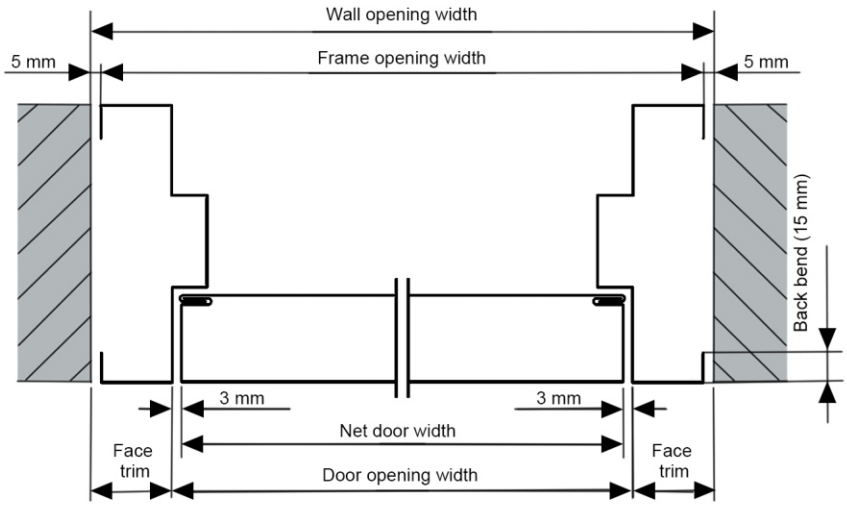


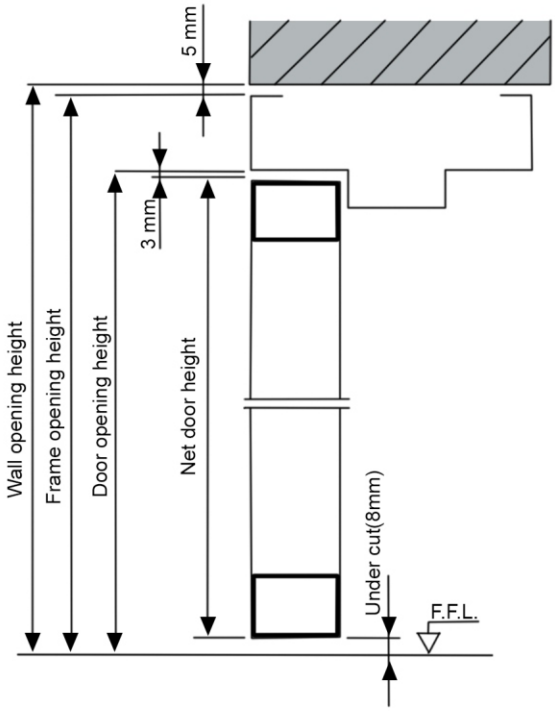
DOOR COMPONENTS

Part No.	Part Name	Part No.	Part Name
1	Frame Header	11	C-Type Bottom
2	Frame Hinge Jamb	12	Lock Fixing Plate
3	Frame Strike Jamb	13	Door Stiffner
4	Hinge Plate	14	Key Escutcheon
5	Hinge Cover	15	Key Cylinder
6	Anchor Bolt Fixing Plate	16	Lever Handle
7	Honeycomb	17	Strike Plate
8	Leaf Base	18	Door Closer
9	Leaf Cover	19	Ball Bearing Hinge
10	C-Type Top	20	Sash Lock Body

FIRE DOOR PROFILE

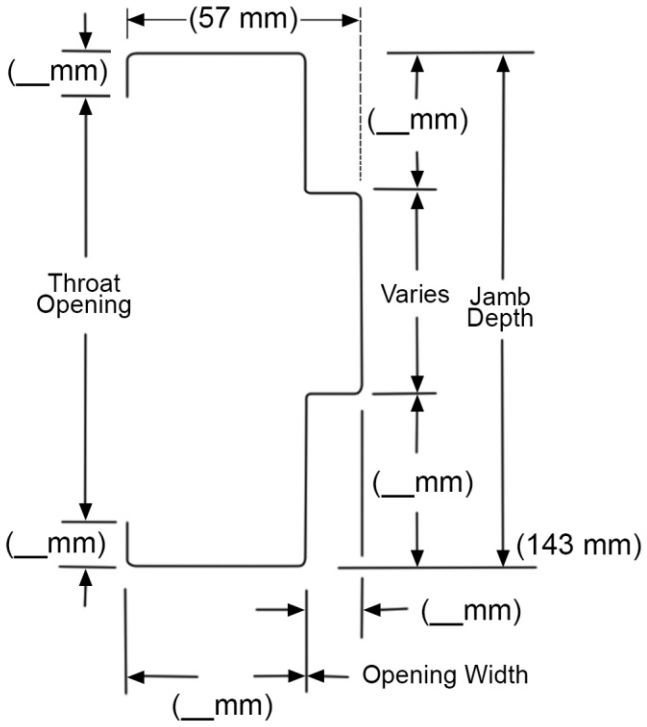
Illustrative door opening (W x H)





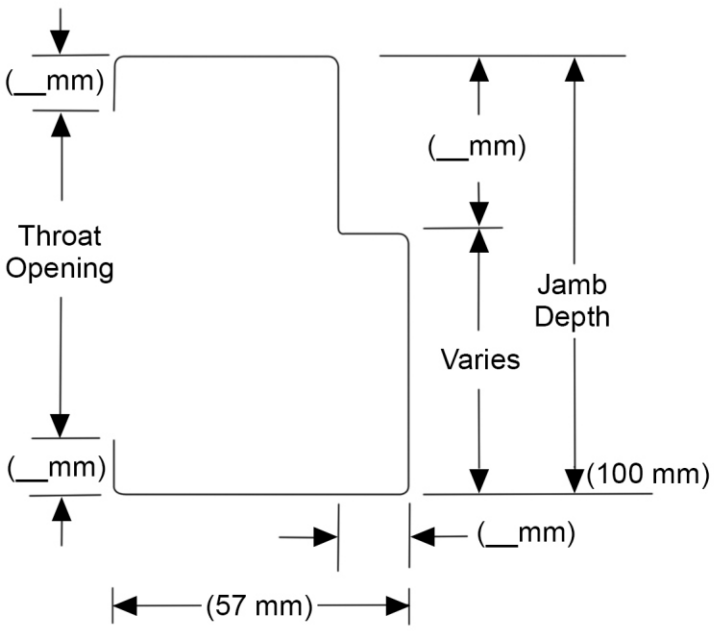
Standard Double Rabbet Frame

Profile- 143 x 57mm

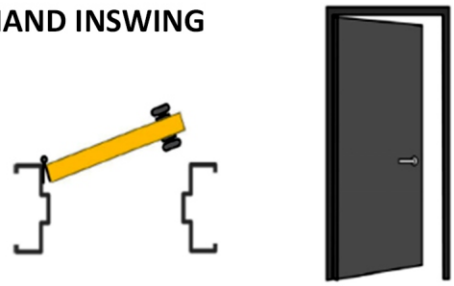
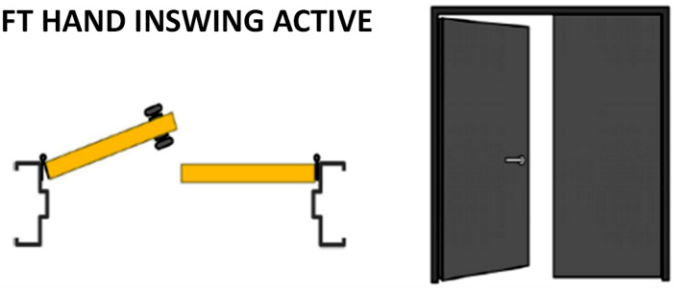
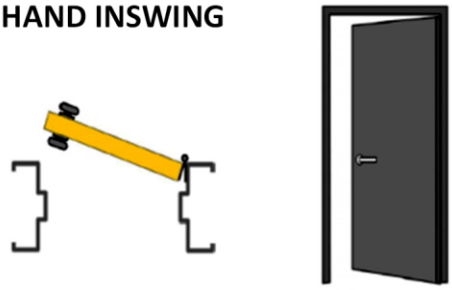
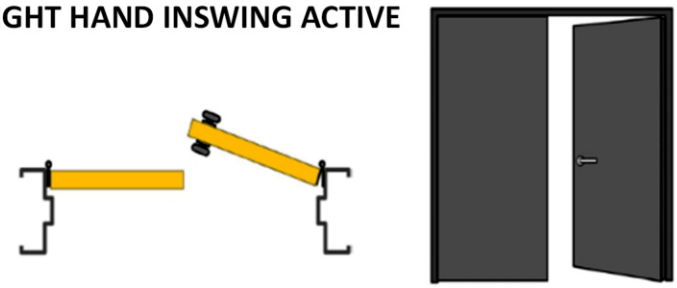
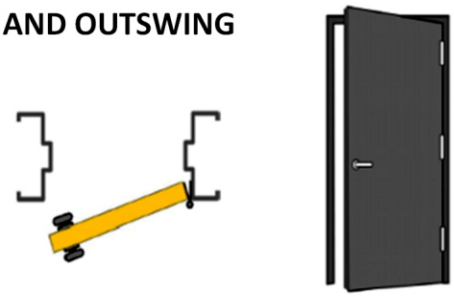
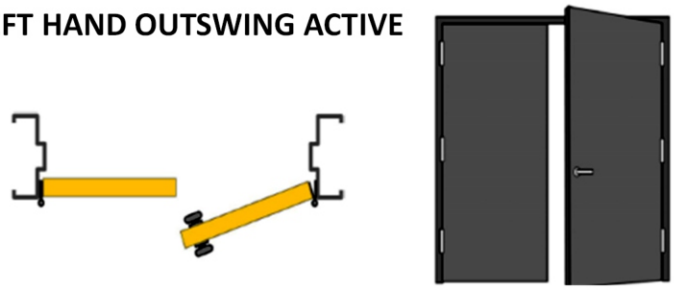
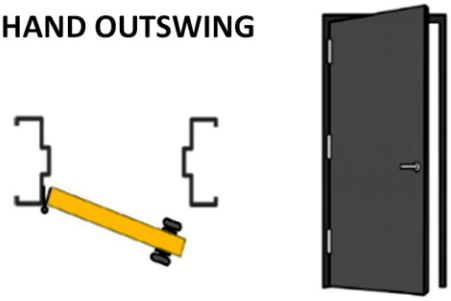
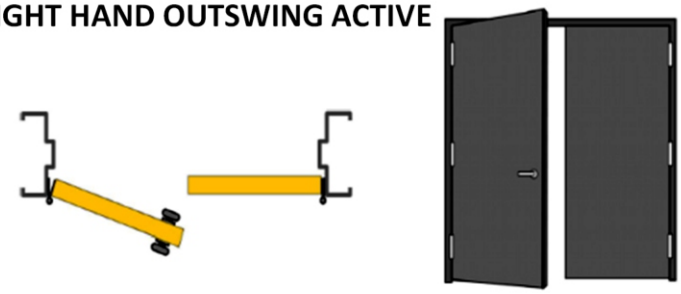


Standard Single Rabbet Frame

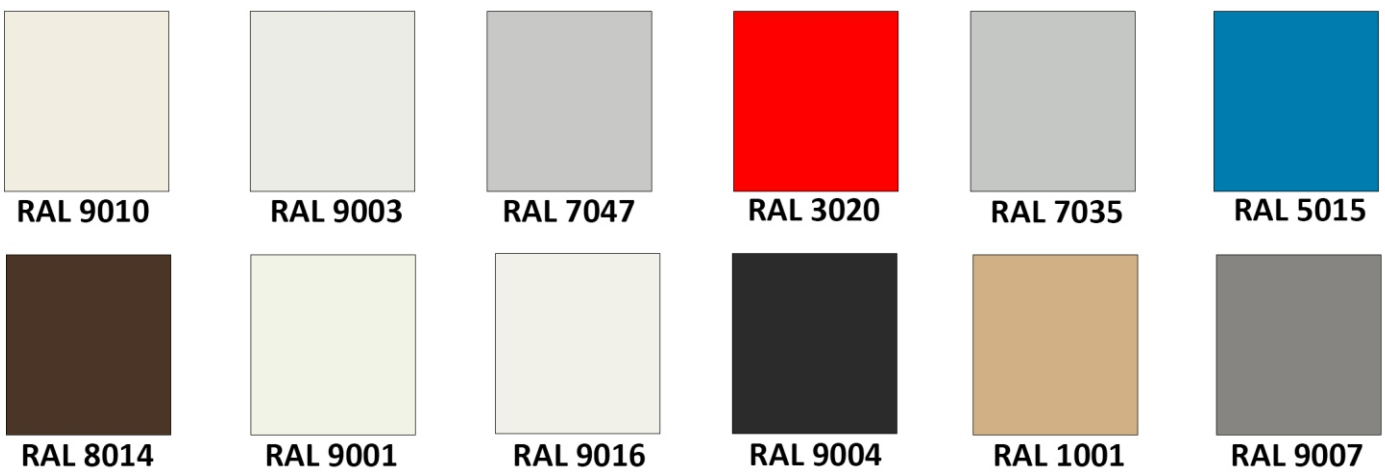
Profile- 100 x 57mm



DOOR HANDLING CHART

SINGLE DOOR	DOUBLE DOOR
LEFT HAND INSWING 	LEFT HAND INSWING ACTIVE 
RIGHT HAND INSWING 	RIGHT HAND INSWING ACTIVE 
LEFT HAND OUTSWING 	LEFT HAND OUTSWING ACTIVE 
RIGHT HAND OUTSWING 	RIGHT HAND OUTSWING ACTIVE 

DOOR COLOUR SELECTION



STANDARDS & CERTIFICATIONS

Doors are tested at:

- CBRI–Central Building Research Institute
- Spectro SSA Labs Pvt. Ltd.

Fire doors are tested as per **IS 3614 Part II**

CMD Fabricators

FIRE DOOR MANUFACTURER

Mumbai Sales office-

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+91 74000 43794

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Fire doors remain one of the important passive fire protection components of your building. They serve four main purposes:

- Suppress the spread of fire
- Reduce smoke hazards by containing smoke
- Provide ready egress from fire
- Serve as regular doors with access control in some cases

OUR SPECIALIZED PRODUCTS

- Fire Doors
- HMPS (Hollow Metal Pressed) Door
- Clean Room Door
- Floor Spring Door
- S.S. Flush Door
- Office Door
- Shaft Door (Fire, Plumbing & Electrical Duct)
- Industrial Door
- Residential Door
- Bathroom Metal Door

CERTIFIED ISO 9001:2015 COMPANY

PROUDLY MADE IN INDIA ★ PREMIUM QUALITY ★