

Product
Catalogue

DOOR SERIES

**METAL DOOR
WINDOW FRAME**

CASMENT WINDOW

FIRE RESISTANT DOORSET

ACOUSTIC

STEEL DOOR

TIMBER FLUSH DOOR



THI METAL DOOR & WINDOW FRAMES



THI Metal Door and Windows Frames are fully researched, designed and manufactured by Thung Hing's ISO 9001:2015 Quality Management System certified plant. This includes metal door accessories such as hinges, lock pocket/striker plate, lockset and many more.

Thung Hing emphasises producing high quality building material as the products form crucial parts of a building and the safety of the building occupants is utmost importance. Therefore, Thung Hing uses top quality metal material in producing its metal door and window frames. All THI™ Metal Doors and Window Frames are made from Zinalume® or Galvanneal coated metal. These materials have passed through the stringent local and international industrial quality standards as well as international client demands.

Thung Hing also ensures all products are made to last long and to withstand the forces of nature. All THI™ Metal Door and Window Frames are galvanization as well to protect if from rusting.

The sophisticated new laser cut technology used in the fabrication process also further enhances the frames durability and strength against impact.

The products has been utilised successfully nationwide in residential and government buildings. Many more upcoming projects will also be fitted with Thung Hing's large selection of designs. There are many project fitted with our THI Door Frame.



With sophisticated new laser cut technology, we have the capabilities of producing precision and quality frames.

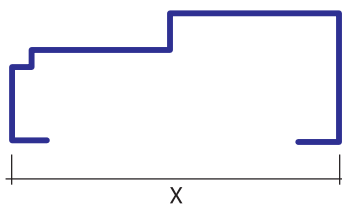
PRODUCT PROFILE OVERVIEW



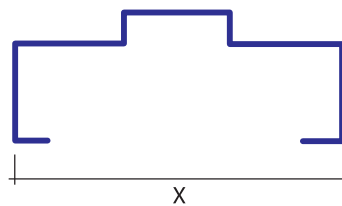
Continuously improving,
adapting and refining our skill sets



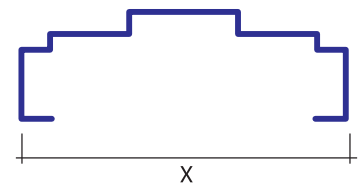
PRODUCT PROFILE THI™



100WA~200WA+



130WA~200WA+



130WA~200WA+

SPECIFICATIONS

Material

Hot-Dipped Galvanized, Electro Galvanized Steel,
Zincalume®, Galvanneal & Aluzinc

Profile THI™

100WA, 105WA, 120WA, 130WA, 130KING,
140WA, 150WA, 160WA, 170WA, up to 200WA

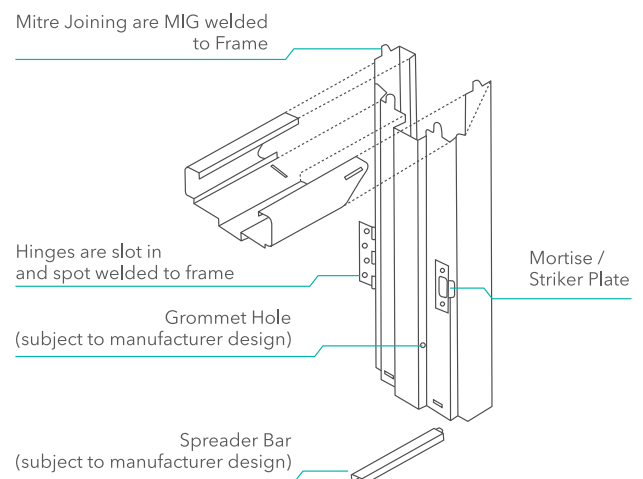
Corners

Tagged, mitre, welded & treated

Accessories

- Hinges: Plated, 100mm loose pin slotted and welded into verticals, 3pcs per frame
- Striker Plate
- Fish tail / Adaptor Bar : 6pcs per frame

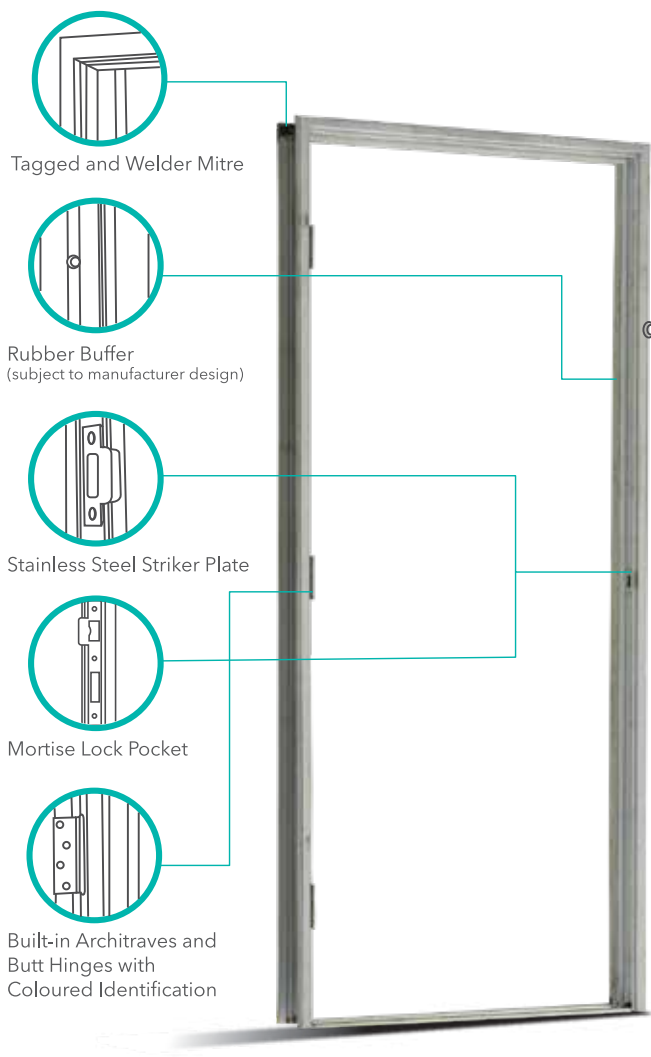
TECHNICAL DETAIL THI™ DOOR FRAME



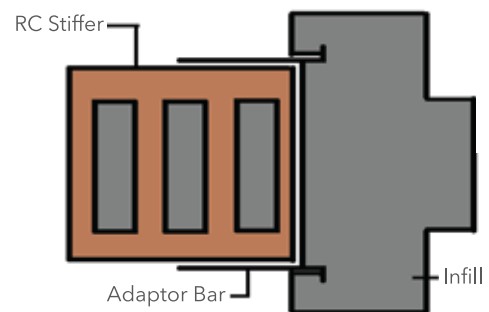
LOCATION OF HINGES / STRIKER PLATE & STRAP



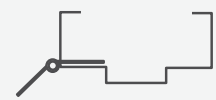
Production processes with the goal of minimizing cost and maximizing value



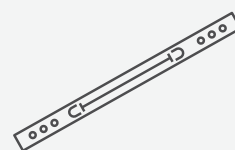
Details of typical cross section showing steel strap installation



Screw Mounted Hinge
System



Spot Welded Hinge
System



Adaptor Bar



Accessories Steel Fish Tail
* To ensure a tight
permanent fit, easy to
install steel strap

INSTALLATION PROCEDURE



Superior Product
Performance with Design Flexibility



1

Mark out the area where the brickwork and the door is going to be



2

Use two lengths of timber to prop up door to standing position



3

Use a spirit to plumb the frame. When it's plumbed, secure the timber stays with a couple of bricks



4

You can now proceed to lay the bricks into the rebate at the back of the frame



5

It is important to place mortar into the gap between the brick and the frame. This is to ensure that the frame when filled with cement, will be extremely rigid and strong. Furthermore, the wall will be constructed with uniform thickness

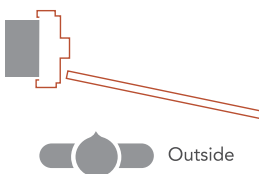


6

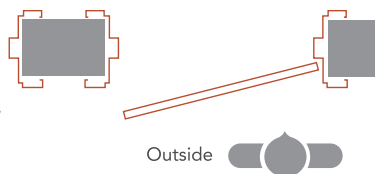
Each metal door frame is supplied with a number of wire brick ties. Use them to tie brickwork every fourth of fifth brick course

ORDERING PROCEDURES

Left Hand Opening



Right Hand Opening



Always stand with the door opening toward you.
The side with the hinges determines the door opening
(left hand or right hand)

When ordering, please specify:

1. Door frame size (External/Internal)
2. Door frame profile
3. Material type, width and thickness
4. Striker plate type
(ie: for mortise lock set or cylindrical lockset)
5. Left or right hand opening
6. Type of the Hinges
(a) SUS 304 Hinges (b) SUS 202 Hinges (c) GI Hinges

Tolerance : Thickness
for material : $\pm 0.05\text{mm}$

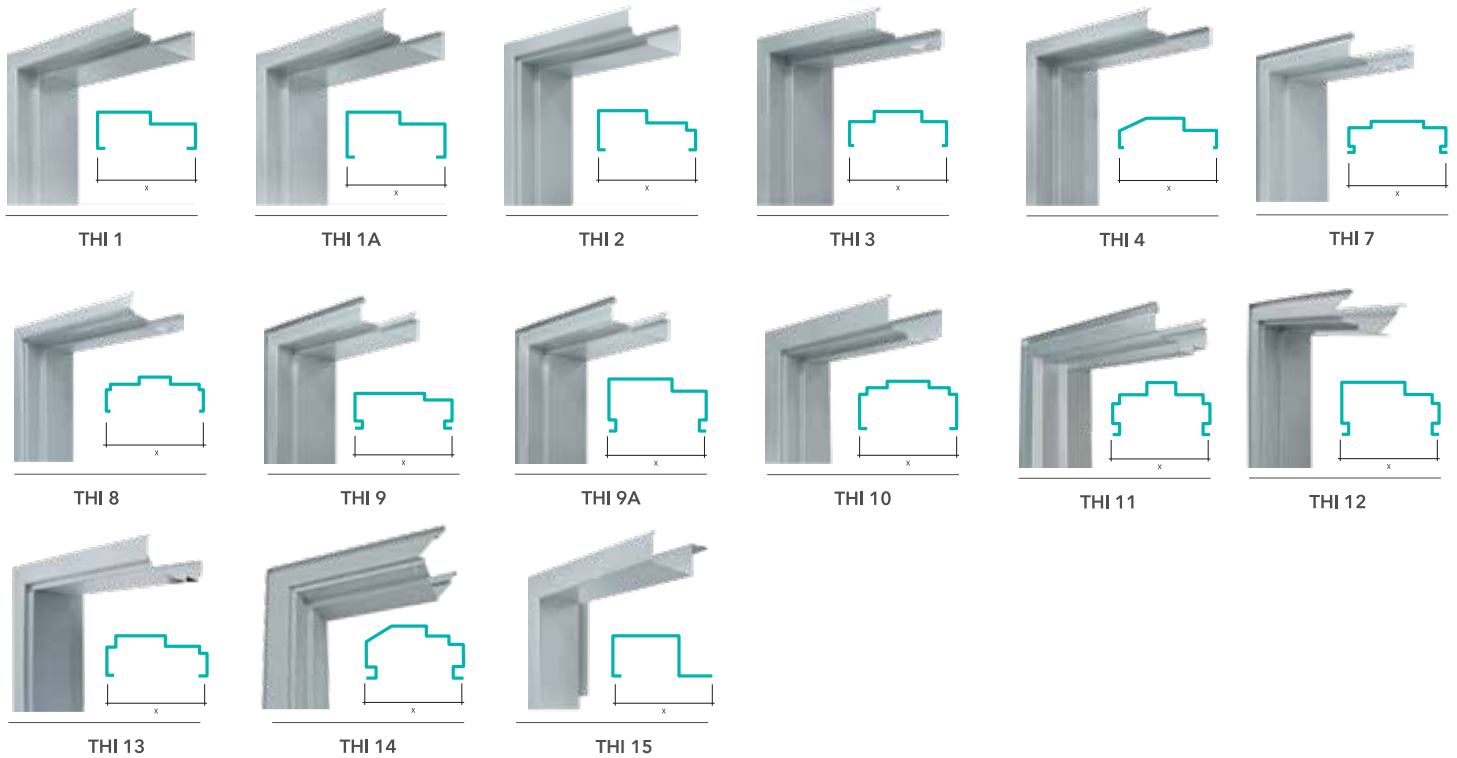
Overall Profile Cross:
Section Width : $\pm 3\text{mm}$

MATERIAL COLOUR



Changing construction needs and evolving industry practices

THI™ FRAME PROFILES



MATERIAL

Material thickness*

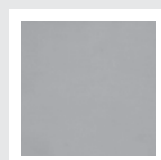
- A. 0.8 mm
- B. 1.0 mm
- C. 1.1 mm
- D. 1.2 mm
- E. 1.5 mm



Zinalume®



Aluzinc



Electro Glavanized
(E.G.)



G. I.

*subject to tolerance & availability

CASEMENT WINDOW

- Modern design
- Faster & easy to install
- Save cost & times



METAL CASEMENT WINDOW



4'(H) x 2'(W)



4'(H) x 4'(W)



4'(H) x 6'(W)

METAL SLIDING WINDOW



4'(H) x 4'(W)



4'(H) x 6'(W)

METAL TOP HUNG WINDOW



a) 18'(H) x 2'(W) b) 2'(H) x 2'(W)

STEEL DOOR



TH STEEL DOORS

The steel door is constructed from high-quality galvanised steel sheets with internal reinforcement for added strength and durability. The door frame is fabricated from mild steel sections and securely anchored to the wall. The surface is finished with an anti-rust primer to ensure long-term corrosion resistance. The door is equipped with heavy-duty hinges, a locking system, and the necessary hardware.

It is designed to provide enhanced security and is suitable for commercial and industrial applications.



SINGLE LEAF / DOUBLE LEAVES STEEL DOOR



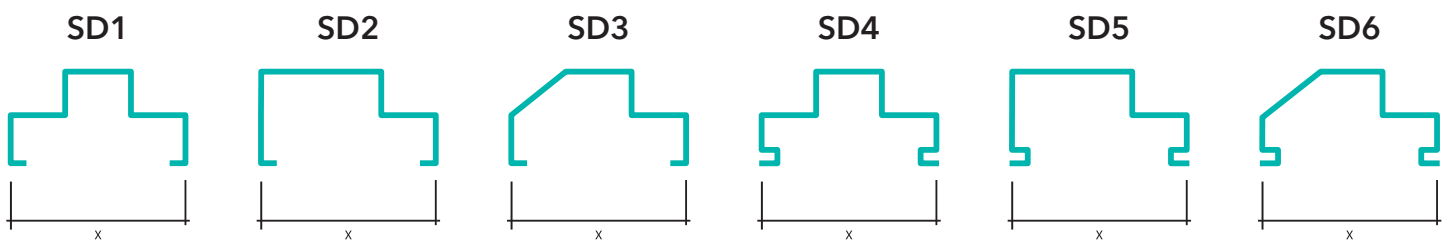
DOUBLE LEAVES



SINGLE LEAF

VARIES TYPE/SIZE OF PROFILE TO CUSTOMISE (NON-FIRE RATED)

- Door skin: 1.0mm/1.2mm/1.5mm
- Door core: hollow/rockwool/honeycomb/thick steel
- Door thickness: 38mm/42mm
- Ironmongery (harmoni series or others)
- Min width: 400mm
- Min height: 600mm
- Finishes: undercoat primer/powder coating/stainless steel/3d grains



FIRE RESISTANT DOORSETS



Serai Harmoni Sdn Bhd manufactures Fire Resistant Doorsets based on ISO 9001:200 standards. With its sophisticated advanced technology, the company has the capabilities of producing precision quality products. **Serai Harmoni Sdn. Bhd.** Fire Resistant Doorsets & other accessories meet all domestic and international standards.

Serai Harmoni Sdn Bhd manufactures a full range of standard products that will suit any environment including residential, commercial industrial and JKR buildings.

Approved by:



Certified by:



DOUBLE LEAVES

SINGLE LEAF



**SERAI HARMONI
SDN. BHD.**
(1053281-W)

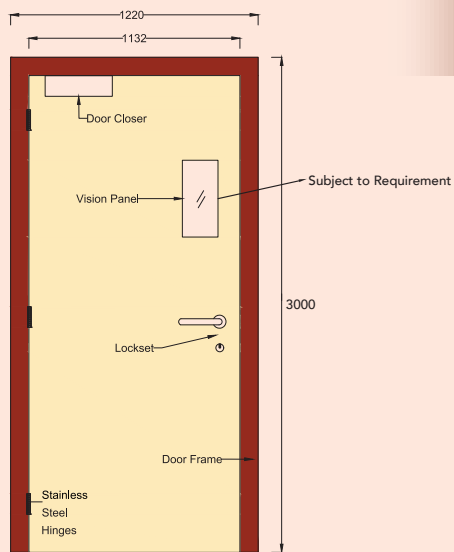
+603-6099 9999
+603-6099 9822

enquiries@harmonidoor.com
www.harmonidoor.com

Fire Resistant Door is resisting up to 75 minutes

SINGLE LEAF

HARMONIDOOR Fire Door Set meets the requirements of the ms 1073 Part 3 1996 (Amd 1:2003) after the completion of 100,000 cycles.

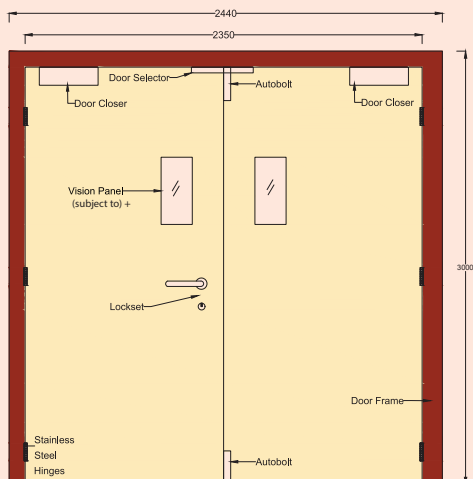


Door Frame Size - One Hour Single Leaf
(maximum size 1220mm x 3000mm)

DOUBLE LEAVES

HARMONIDOOR Fire Door Set meets the requirements of the MS 1073: Part 3: 1996 (Amd. 1:2003) after the completion of 50,000 cycles:

- The Door Set was capable of closing properly, maintaining all clearance between leaf to frame and floor.
- No visible signs of undue wear or damage on any part of the assembly or other defects that could impair its reliability of functioning.



Door Frame Size - One Hour Double Leaves
(maximum size 2440mm x 3000mm)

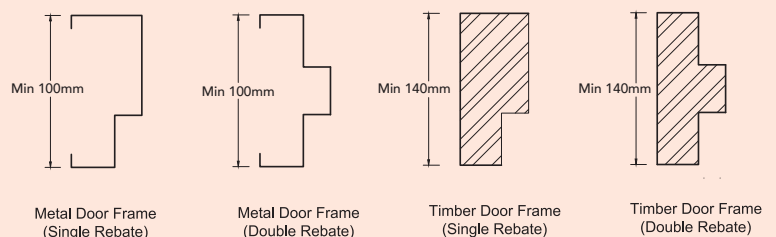
Up To
75
Minutes
Resistant

Up To
Temperature
1000°C

SIRIM TEST



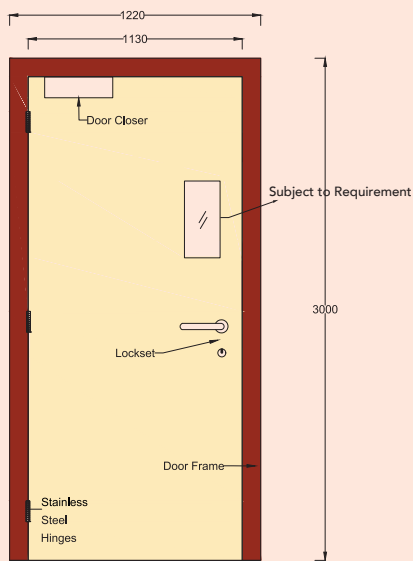
DETAILS OF DOOR FRAME 1 HOUR SINGLE LEAF & 1 HOUR DOUBLE LEAVES



Fire Resistant Door is resisting up to **135** minutes

SINGLE LEAF

HARMONIDOOR Fire Door Set meets the requirements of the ms 1073 Part 3 1996 (Amd 1:2003) after the completion of 100,000 cycles.

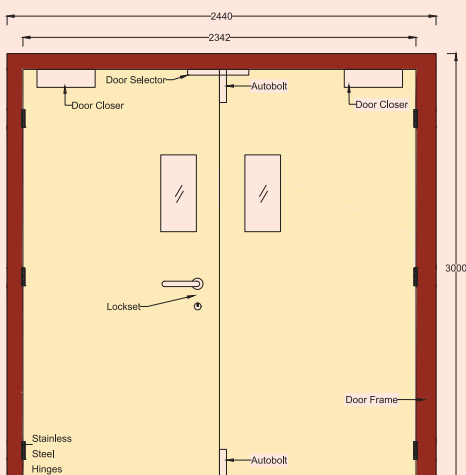


Door Frame Size - Two Hour Single Leaf (maximum size 1220mm x 3000mm)

DOUBLE LEAVES

HARMONIDOOR Fire Door Set meets the requirements of the MS 1073: Part 3: 1996 (Amd. 1:2003) after the completion of 50,000 cycles:

- The Door Set was capable of closing properly, maintaining all clearance between leaf to frame and floor.
- No visible signs of undue wear or damage on any part of the assembly or other defects that could impair its reliability of functioning.

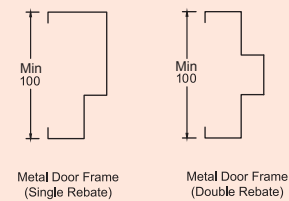


Door Frame Size - Two Hour Double Leaves (maximum size 2440mm x 3000mm)

135
Minutes
Resistant

Up To
Temperature
1000°C

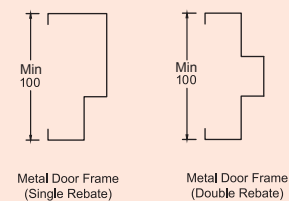
DETAILS OF DOOR FRAME



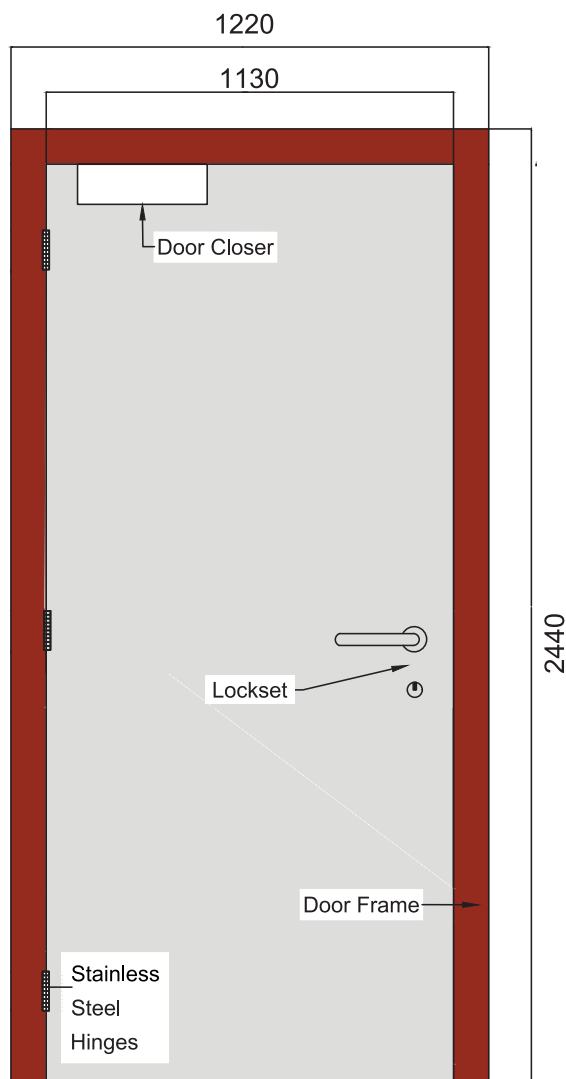
SIRIM TEST



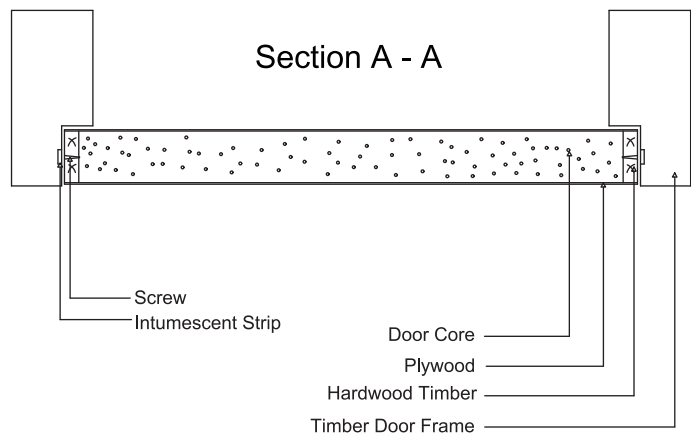
DETAILS OF DOOR FRAME



ACOUSTIC FIRE RATED DOOR

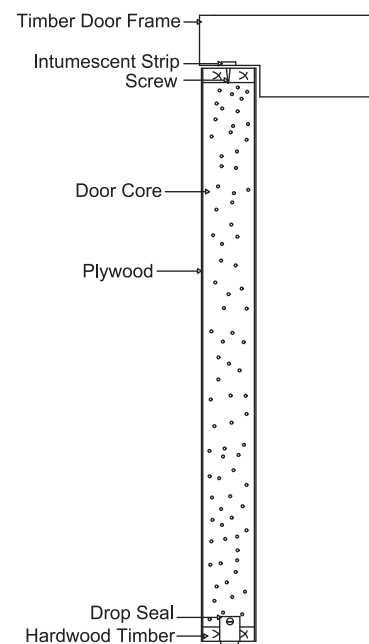


Door Frame Size - One Hour Single Leaf
(Maximum size 1220mm x 2440mm)



HORIZONTAL SECTION OF THE DOORSET

Section B - B



VERTICAL SECTION OF THE DOORSET

TH TIMBER FLUSH DOOR

SH TIMBER FLUSH DOORS

Timber Flush Doors are available in few range options with thickness ranging to suit various applications. Designed for durability, comfort and style. The door feature a sleek flush finish and can be customized with a range of surface finishes. Ideal for residential and commercial interiors. These doors offer a perfect balance of strength, functioning and modern aesthetics.



SINGLE LEAF / DOUBLE LEAVES TIMBER FLUSH DOOR



DOUBLE LEAVES

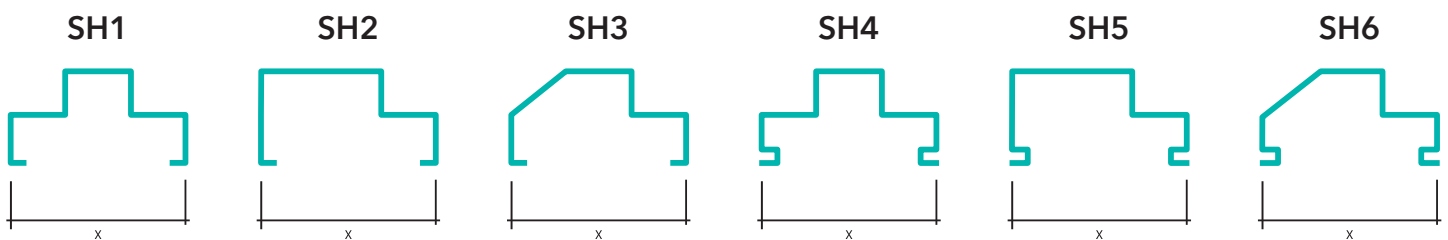


SINGLE LEAF

VARIES TYPE/SIZE OF PROFILE TO CUSTOMISE (NON-FIRE RATED)

- Door skin: Plywood/HDF/MDF/HMR/Nyatoh
- Door core: Hollow/Honeycomb/Solid
- Door thickness: 38mm-60mm
- Ironmongery (Harmoni Series or Others)
- Max width: min 400mm
- Max height: min 600mm
- Finishes: Bare/Undercoat/Stainless Steel/Laminate/Veneer/Paint

DOOR FRAME PROFILES FOR TIMBER FLUSH DOOR



ADVANTAGES & ACCESSORIES

RESIDENTIAL

iSMARTLQ
8800-R4
Digital
Door Lock



Dormakaba
Digital Lock
M5



Adel 1800
Digital
Door lock



Be-Tech
biometric
lock g536fk



ST GUCHI
SGDL809L



YALE YMF30 Front Back



HOTEL & COMMERCIAL

Orbita
E3041
RFID Lock



Vingard Signature RFID1



Jenberg H1



IDL100-101



Adel 1800
RFID card

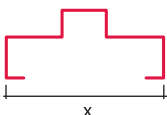


ADVANTAGES

- Highest screw holding capacity amongst fire doors
- Excellent sound insulation and acoustic properties
- Constructed of superior quality wood base materials
- Treated with fire repellent with product finishes of exceptional quality

DOOR FRAME PROFILES FOR FIRE DOOR

SH1



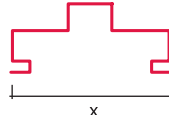
SH2



SH3



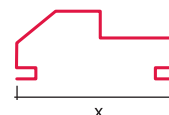
SH4



SH5

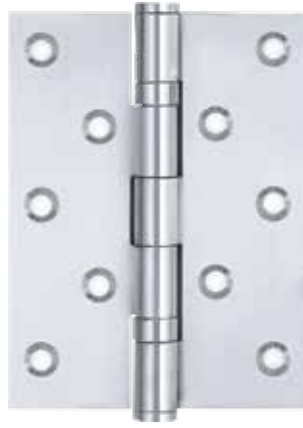


SH6

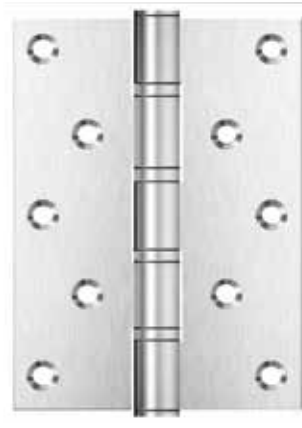


LOCKSET ACCESSORIES

SH HARMONIDOOR STAINLESS STEEL 304 HINGES



Optional: 2BB



Optional: 4BB



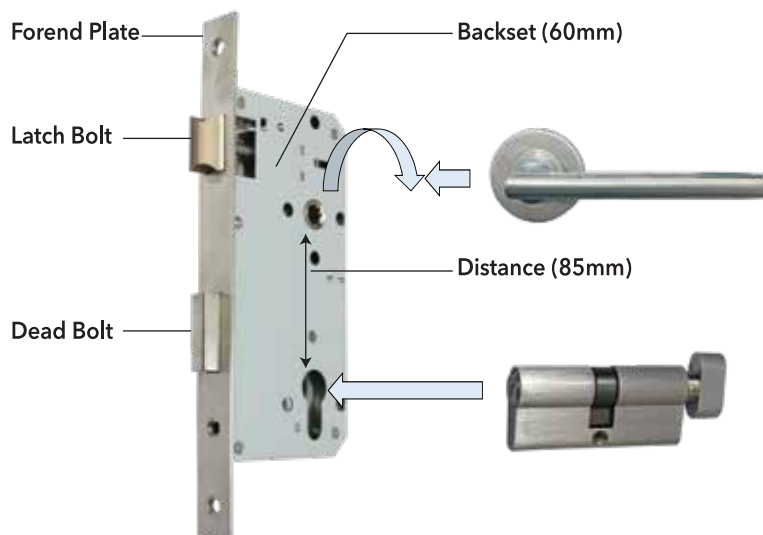
Concealed Hinge

5 Inch Hinge (127mm(H) x 89mm(W) x 2.5mm(T))

SPECIFICATIONS:

- Usually applied to doors that are of medium-lightweight to medium-heavy weight doors & medium to heavy usage.
- Recommended 3 to 4 nos per door/leaf depending on the door height, usually 3 nos for 2100mm standard height, anything more than that requires 4 nos per door/leaf or more.

SH HARMONIDOOR MORTISE LOCKSET



CERTIFICATES & APPROVALS

- STANDARD BS EN 12209:2003
- PASSED in SIRIM QAS INTERNATIONAL Lab.
- Material Brass

SPECIFICATION FOR MORTISE LOCK

Model : SH-ML85600

- Function Entrance, Passage, Anti-Panic, Classroom

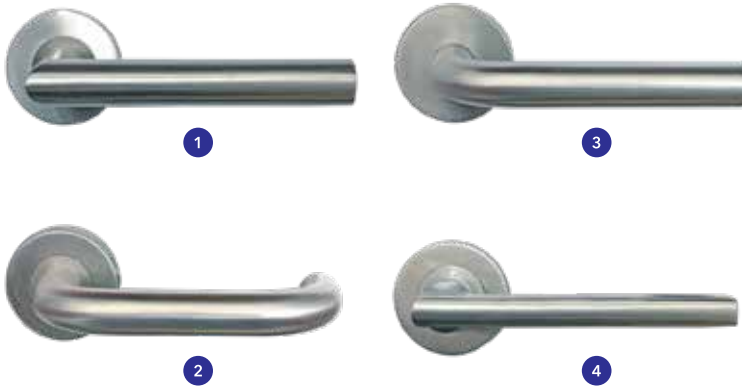
SPECIFICATION FOR HARMONIDOOR EURO PROFILE CYLINDER

Model : SH-EP35/35

- Function Double Key @ Single Key & Thumbturn
@ Half Cylinder with Thumbturn @ Half Cylinder with Key
- Function Single Key Thumbturn, Double Key
Half Cylinder with Key, Half Cylinder with Thumbturn

LOCKSET ACCESSORIES

SH HARMONIDOOR STAINLESS STEEL LEVER HANDLE



Model: SH-LHR2104-1

Model: SH-LHR2104-2

Model: SH-LHR2104-3

Model: SH-LHR2104-4

SPECIFICATIONS:

- Stainless Steel SUS304 Lever Handle & Rose.
- Suitable for to the 85mm Centre to Centre Installation Distance.
- Applied To The Left or Right Open Door.

CERTIFICATES & APPROVALS

- STANDARD BS EN 12209:2003
- PASSED in SIRIM QAS INTERNATIONAL Lab.

SH HARMONIDOOR DOOR CLOSER



Standard Arm Closer



Slide Arm Closer



Concealed Closer

CERTIFICATES & APPROVALS

- STANDARD BS EN 1154 :1997
- PASSED 200,000 Cycle in SIRIM QAS INTERNATIONAL Lab.
- Optional of slide arm or concealed closer (picture as given)

LOCKSET ACCESSORIES

SH HARMONIDOOR HUEE STAINLESS STEEL DOOR SELECTOR



SPECIFICATION

- Stainless Steel SUS304

CERTIFICATES & APPROVALS

- STANDARD BS EN 1158 :1997
- PASSED in SIRIM QAS INTERNATIONAL Lab.

SH HARMONIDOOR STAINLESS STEEL AUTO BOLT



SPECIFICATION

- Stainless Steel SUS304

SH HARMONIDOOR REBATED PART (Applicable for 1 Hour Only)



SH HARMONIDOOR PANIC EXIT DEVICE

1 F5000 V (1720)

2 F5000 (1710)

3 Push bar lever handle



SPECIFICATION

- Steel or Stainless Steel

CERTIFICATES & APPROVALS

- CE mark, fire rated
- EN1125, EN 1634, UL 10C
- None handed
- Master Key System available

CENTRAL REGION

SELANGOR DARUL EHSAN :

No 7, Jalan Platinum 3, Presint 2, Bandar Industri Bernilai Tinggi Serendah, 48200 Serendah, Selangor.

Tel : +603-6128 2837/ 2873

Serai Harmoni Sdn Bhd (1053281-W)

No 9, Jalan Platinum 3, Presint 2, Bandar Industri Bernilai Tinggi Serendah, 48200 Serendah, Selangor.

Tel : +60-6128 2834 / 2843

NORTHERN REGION

KEDAH DARUL AMAN :

No. E2, Jalan Cendana 4/5, Kaw. Perindustrian Cendana, 08000 Sungai Petani, Kedah Darul Aman, Malaysia.

Tel : +604-430 0321(HL) +604-430 4335 / 4568 Fax : +604-430 4393 / 4348 / 4849 H/P : +6012-381 9218

PERAK DARUL RIDZUAN :

Lot 111940, Jalan Lahat, 31450 Menglembu, Perak Darul Ridzuan, Malaysia.

Tel : +605-282 1844 Fax : +605-2820 844 H/P : +6017-360 1218

170, Hala Perusahaan Menglembu 1, Kawasan Prindustrian Menglembu, 31450 Ipoh Perak Darul Ridzuan, Malaysia.

Tel : +605-282 1844 Fax : +605-2820 844 H/P : +6017-360 1218

EAST COAST EAST MALAYSIA

KELANTAN DARUL NAIM :

Lot 1493, Kaw. Perindustrian Pengkalan Chepa II, Seksyen 44, Mukim Panchor, Daerah Kemumin, 16100 Kota Bharu, Kelantan Darul Naim, Malaysia.

Tel : +609-774 1127 / 1128 Fax : +609-774 1130 / 1131 H/P : +012-200 6335

TERENGGANU DARUL IMAN :

17446, Kawasan Perindustrian Wakaf Tapai, 21040 Marang, Terengganu Darul Iman, Malaysia.

Tel : +609-638 1216 Fax : +609-638 1219

SOUTHERN REGION

JOHOR DARUL TAKZIM :

Lot 4452, Pt. Kampung Abdul Rahman, 82200 Benut, Pontian, Johor Darul Takzim, Malaysia.

Tel : +607-690 9926 / 9929 Fax : +607-690 9928 H/P : +019-278 8788

EAST MALAYSIA

SABAH :

Lot No 19, Jalan 3 KKIP Timur, Industrial Zone 12, KKIP Telipok, 88460 Kota Kinabalu, Sabah, Malaysia.

Tel : +608 840 8919 H/P : +6019-280 6218

SARAWAK :

Lot 1259, Jalan Jentera, Bintawa Industrial Estate, 93450 Kuching, Sarawak, Malaysia.

Tel : +6082 552171

WARRANTY & CERTIFICATE



Certificates

THI™ Metal Doors and Window Frames are fully researched, designed and manufactured by Thung Hing's ISO 9001:2015 Quality Management System certified plant.



THUNG HING GROUP

W : www.thunghing.com.my **E** : enquiries@thunghing.com **f** : [Thung Hing group](https://www.facebook.com/ThungHingGroup) **@** : [thunghing.group](https://www.instagram.com/thunghing.group) **d** : [thunghing.group](https://www.youtube.com/channel/UC...)

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