

TANGCHENRUI reserves the right to make changes. The images in this sample booklet are only for sample display and cannot be considered as contract offers.

SUPPLIER OF OVERALL SOLUTION FOR MEDICAL STEEL DOORS



SHANGHAI TANGCHENRUI DOOR INDUSTRY CO.,

Factory Address: No. 369 Beicun Road, Fengxian District, Shanghai

Office Address: No. 240, Lane 193, Nanlu Road, Pudong New Area, Shanghai

Tel: 15102111918

Web: www.shtangchenrui.com

Product
Catalog

SHANGHAI TANGCHENRUI DOOR INDUSTRY CO., LTD

SUPPLIER OF OVERALL SOLUTION
FOR MEDICAL STEEL DOORS



SHANGHAI TANGCHENRUI DOOR INDUSTRY CO., LTD





TANG CHENRUI INTRODUCTION

Medical steel door series Tangchenrui door manufacturing

Shanghai Tangchenrui Door Industry Co., Ltd. was established in 2010. It is an industrial company integrating R&D, production, sales, consulting and engineering services. As a national high-tech enterprise, the company is committed to providing customers with safe and reliable, technologically innovative and customer-satisfying door system solutions.

The company's headquarters is located in the Zhelin Industrial Park of Fengxian District, Shanghai. The registered capital of the enterprise is 50 million RMB. The total production and office area reaches 20,000 square meters. The company has obtained international ISO9001, ISO14001 and ISO45001 three major system certifications, as well as AAA credit enterprise status. At the same time, it has also obtained several national fire protection special door certification reports and medical steel door reports. The company has multiple sheet metal production lines and advanced Savagnini flexible processing centers, focusing on creating systematic, environmentally friendly and intelligent door products. The company's business covers public construction markets such as medical, schools, commercial office complexes, rail transit, airports, industrial plants, etc. The products include: steel medical doors, automatic airtight doors, fire-resistant special doors (stainless steel, wood grain, painted finish), and wind-resistant interval connecting doors and other various door products.

Through high-quality manufacturing
Create an expert in industry solutions



Shanghai Tangchenrui Door Industry Co., Ltd. has introduced two sets of Italian Savagnini flexible processing center equipment, four German Traxon laser cutting machines, two sets of Traxon CNC turret punching machines, one fully automatic paint coating production line, one fully automatic PVC coating production line (the widest can be 1500mm), one fully automatic shearing machine, one CNC bending machine and one shearing machine, totaling 25 pieces.



Tongchengrui Medical Steel Door Technical Standards

The base material of the steel door is galvanized steel plate. The interior of the door panel is filled with environmentally friendly honeycomb material. The surface is coated with electrostatic powder spraying or imported PVC film.

Product parameters

The thickness of the door panels for medical steel interior doors is $\geq 40\text{mm}$, and the thickness of the door panel steel is $\geq 0.8\text{mm}$.
The thickness of the door frame steel is $\geq 1.5\text{mm}$. It uses high-quality hot-dip galvanized steel plates of Baosteel of automotive grade.
Sealing strips are provided on three sides of the door frame. The sealing strips must be in a physical embedding form and use multi-chambered sealing strips.
The sound insulation meets the technical requirements of national standard level 3 (32dB).
The insulation meets the technical requirements of national standard level 6 ($2.4\text{W}/(\text{m}^2\cdot\text{K})$).
The window glass of the ward door is selected from high-quality tempered glass that complies with specifications.
The thickness of the tempered glass for the window is $\geq 6\text{mm}$.

Focus on product research and design
Make continuous efforts to build

Coatings and Surface Treatment

- (1) The surface treatment is done with high-grade electrostatic powder coating. The color is provided from the RAL color chart and can be chosen by the client. The paint film thickness is $\geq 60\mu\text{m}$.
- (2) The surface adopts the imported PVC coating process. The color is chosen by the client; the effect is elegant and generous.

Production and installation processes

- (1) Production process: The door frame is made of three sides. The door frame is fabricated by bending a whole sheet. The 90-degree or 45-degree angles of the door frame are joined together without welding.
 - (2) Installation process: Installation is carried out using an external pre-embedded welding method. The door frame is grouted and there are no reserved welding installation holes on the door frame.
- To ensure the installation strength, the door frame is installed by welding.
- Window and door installation deviations: The width of the inner edge of the door frame is $\pm 1\text{mm}$; The verticality of the two upright frames is $\leq 2\text{mm}$; The diagonal difference of the door frame is $\leq 3\text{mm}$.

Hardware components

- Handles: Stainless steel or PVC handles.
- Lock mechanism and lock body: Lock mechanism with linkage and insertable stainless steel lock body. All locks must comply with the European standard DIN18250; each door is equipped with no less than 3 keys and a lock template is provided.
- Hinges: High-quality stainless steel 304 material.
- Door pull: High-quality stainless steel 304 material.
- Floor-to-ceiling latch: High-quality stainless steel material.

Colorful colors

You can choose

Colored spray finish

The advanced electrostatic powder coating technology ensures that the surface coating of the door is uniform, dense, smooth and shiny. Multiple color options are available, creating different atmospheres and enhancing the design's appeal.



TCR 001 Sky blue color	TCR 002 Emerald green	TCR 003 Greenish-gray
TCR 004 May Green	TCR 005 Sungreenish-blue	TCR 006 Traffic Green
TCR 007 Light green	TCR 008 Sun Blue Turquoise	TCR 009 Silver-gray
TCR 010 Light gray	TCR 011 Tawny gray	TCR 012 Traffic gray
TCR 013 Pastel yellow	TCR 014 Grayish white	TCR 015 Signal White
TCR 016 Pure white	TCR 017 Traffic White	TCR 018 Mint green
TCR 019 Light gray	TCR 020 Pale mauve color	TCR 021 Rose color
TCR 022 Heather purple	TCR 023 Lilac Blue	TCR 024 Purple and blue

Standard wood-grain finish

Steel door panels can be equipped with an imitation wood grain finish. They are made with imported imitation wood grain film, which is closely bonded to the steel plate through advanced heat pressing technology. These panels are used for door construction. They not only offer a realistic wood grain finish effect but also possess excellent UV resistance, being durable and resistant to fading.



Technology intelligent
manufacturing dual engine
acceleration
Products that pursue excellent
quality are compatible



Product Catalog

Medical steel doors - Mother-and-Child ward doors	12
Medical steel doors - Single-opening type	14
Steel doors for bathrooms	16
Double-acting steel door	18
Half-automatic manual sliding doors	20
Steel office doors	22
Sealed electric doors / Radiation-proof electric doors	24
Fireproof glass doors for passageways	26
Steel fireproof doors	28
Metal plates / Glass partitions	30
Metal wall panels / Decorative lines	32
Standard hardware system configuration	34
National hospital performance (partial)	42



Medical steel door

Mother-and-daughter ward door

The width of the door opening is generally 1200mm or 1300mm.

The door frame is made by one-piece bending of 1.5mm galvanized steel plate.

The surface is treated with PVC coating or electrostatic powder painting.

The door panel is made of 0.8mm galvanized steel plate.

The flexible bending and surrounding interlocking process.

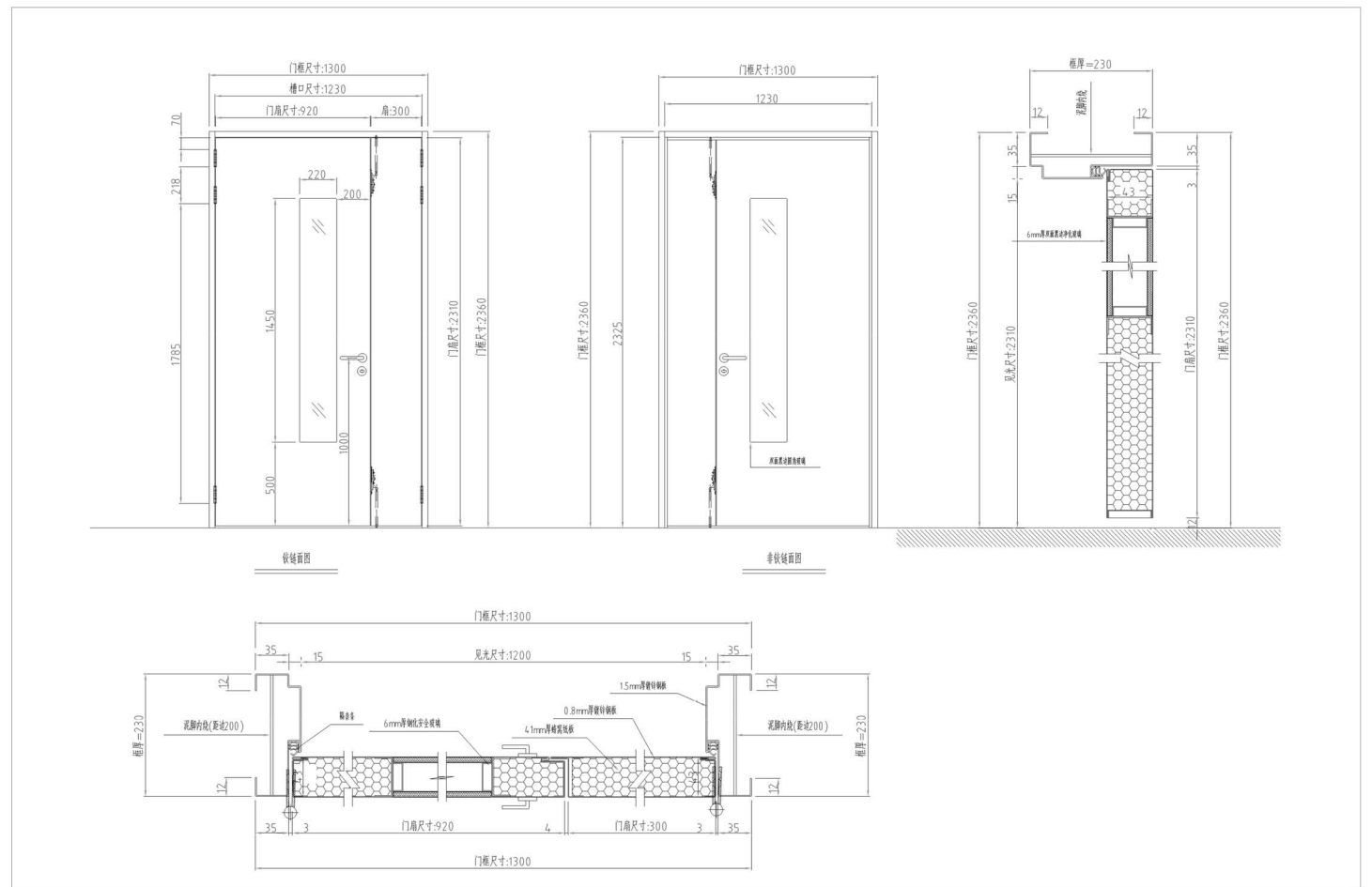
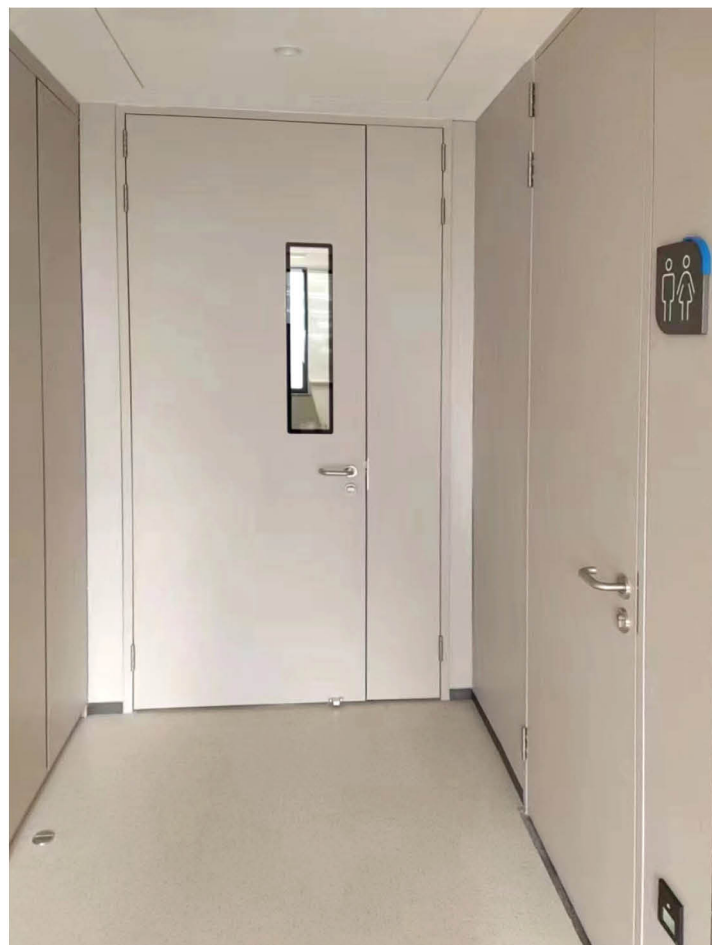
Surface PVC coating process / electrostatic powder painting.

The interior is filled with high-strength honeycomb.

The window adopts 6+6 double-sided purification window.

The glass is flush with the surface of the door panel.

The hardware is standard stainless steel, meeting European standards.





Medical steel door Single-opening type

The width of the door opening is generally 1200mm or 1300mm.
The door frame is made by one-piece bending of 1.5mm galvanized steel plate.

The surface is treated with PVC coating or electrostatic powder painting.

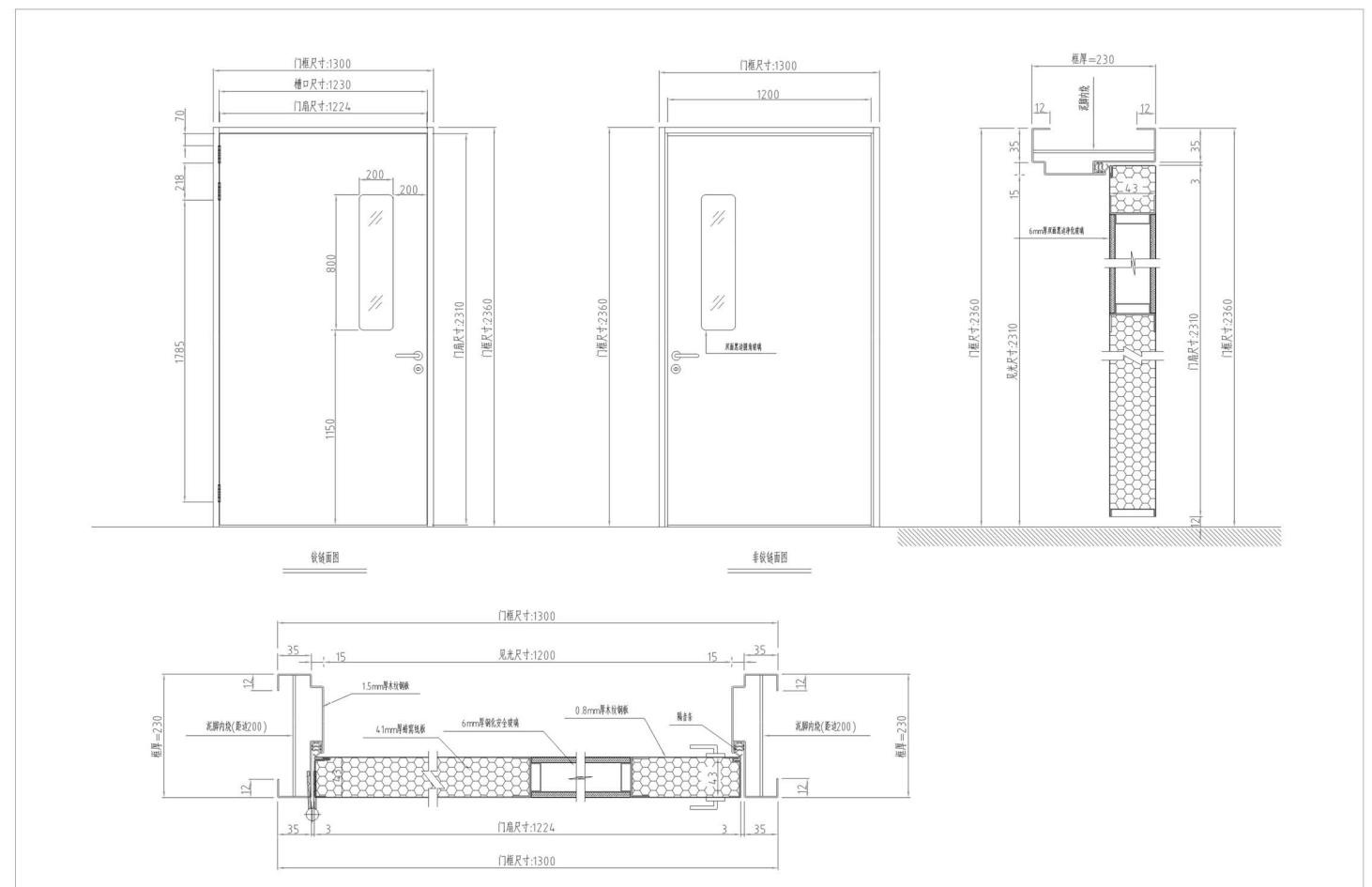
The door panels are made of 0.8mm galvanized steel plate, with a flexible bending process for the entire perimeter and a tight fit. The surface is coated with PVC film and then undergoes electrostatic powder painting.

Internal filling with high-strength honeycomb.

The window adopts 6+6 double-sided purified glass.

The glass is flush with the surface of the door panel.

The hardware is standardly made of stainless steel, meeting European standards.





Bathroom Steel door

The opening size is generally 800mm - 1000mm in width.

The door frame is made of 1.5mm galvanized steel plate and is formed as one piece.

The surface is coated with PVC film by bending process/electrostatic powder painting.

The door panel is made of 0.8mm galvanized steel plate.

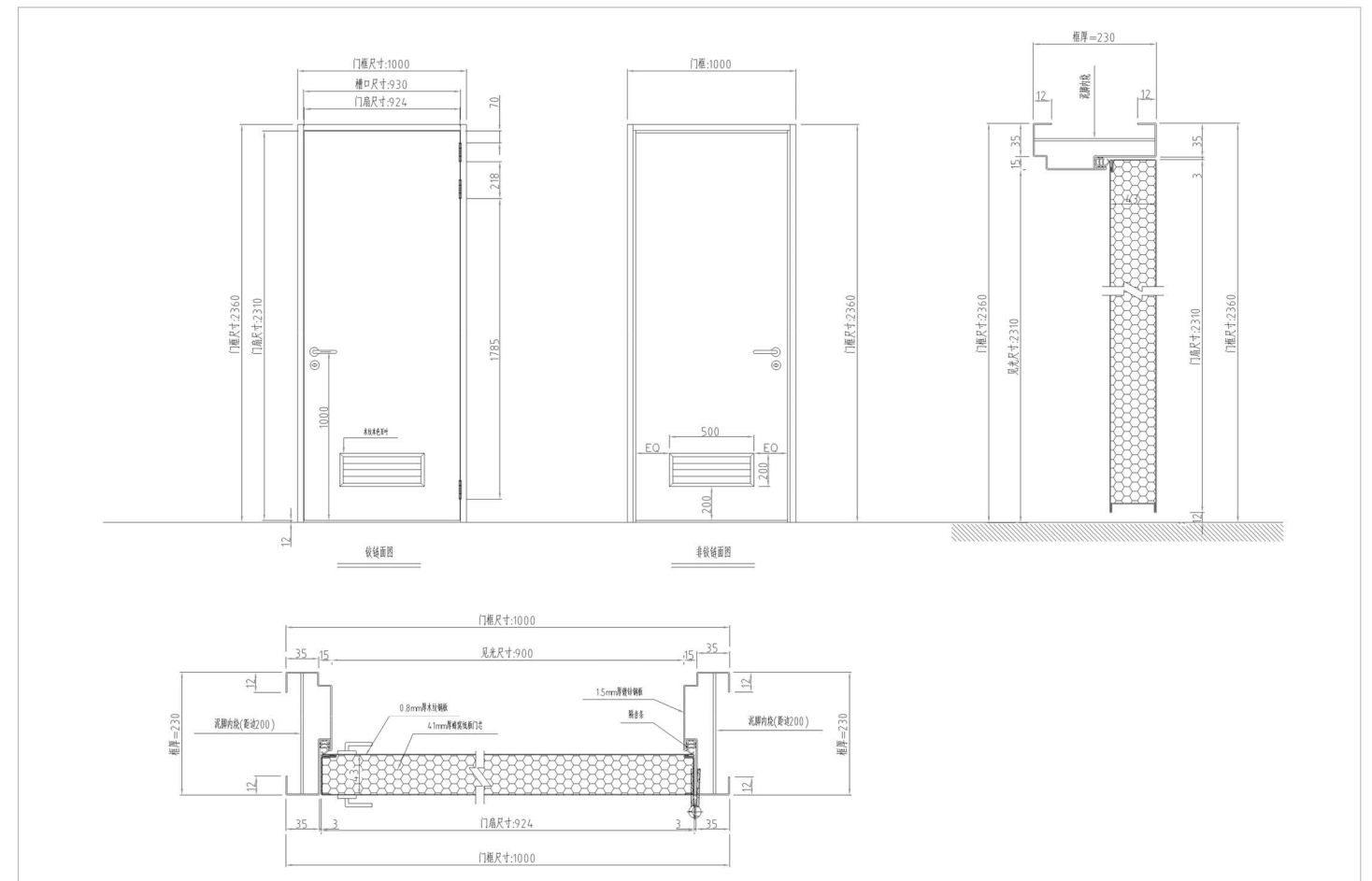
The flexible bending and surrounding interlocking process.

Surface PVC coating process/electrostatic powder painting.

Internally filled with high-strength honeycomb.

The bottom edge of the door panel is equipped with a steel ventilation louvre that matches the color of the door panel.

The hardware is standardly made of stainless steel, meeting European standards.





Double-acting Steel door

The opening size is generally 1000mm.

The door frame is made of 1.5mm galvanized steel plate and is formed as one piece.

The surface is coated with PVC film through bending process and then undergoes electrostatic powder painting.

The door panel is made of 0.8mm galvanized steel plate, with a flexible bending process for the entire perimeter and a tight fit.

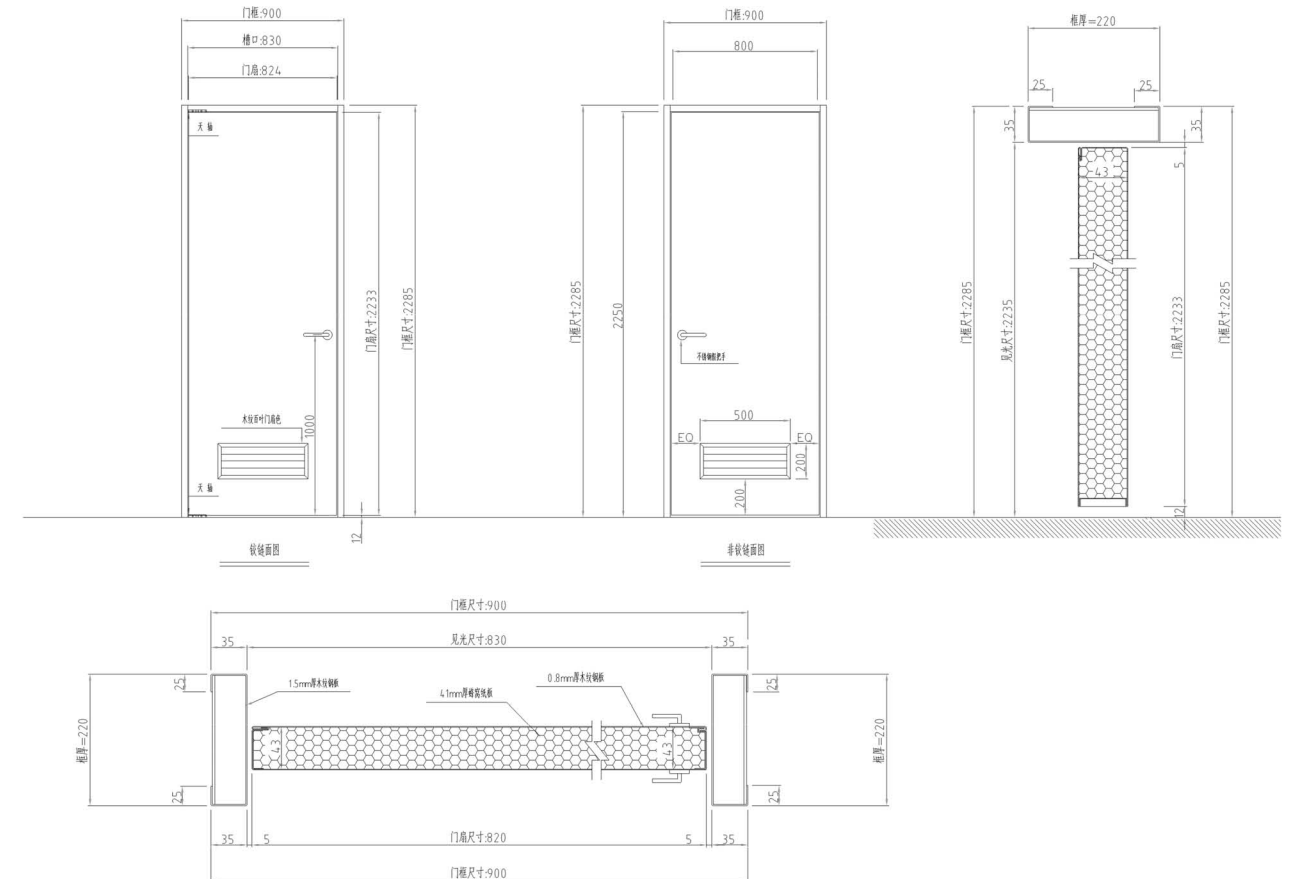
The surface is coated with PVC film and then undergoes electrostatic powder painting.

It is filled with high-strength honeycomb.

The lower edge of the door panel has a steel-made ventilation louvre that matches the color of the door panel.

The standard fittings include barrier-free handles and imported sliding door locks that can be opened in both directions.

It is suitable for barrier-free bathrooms and other such places.





Semi-automatic

Manual sliding door

The opening size is generally 1000mm wide.

The door frame is made of 1.5mm galvanized steel plate.

It is formed by one-piece bending and coated with PVC on the surface / painted with electrostatic powder.

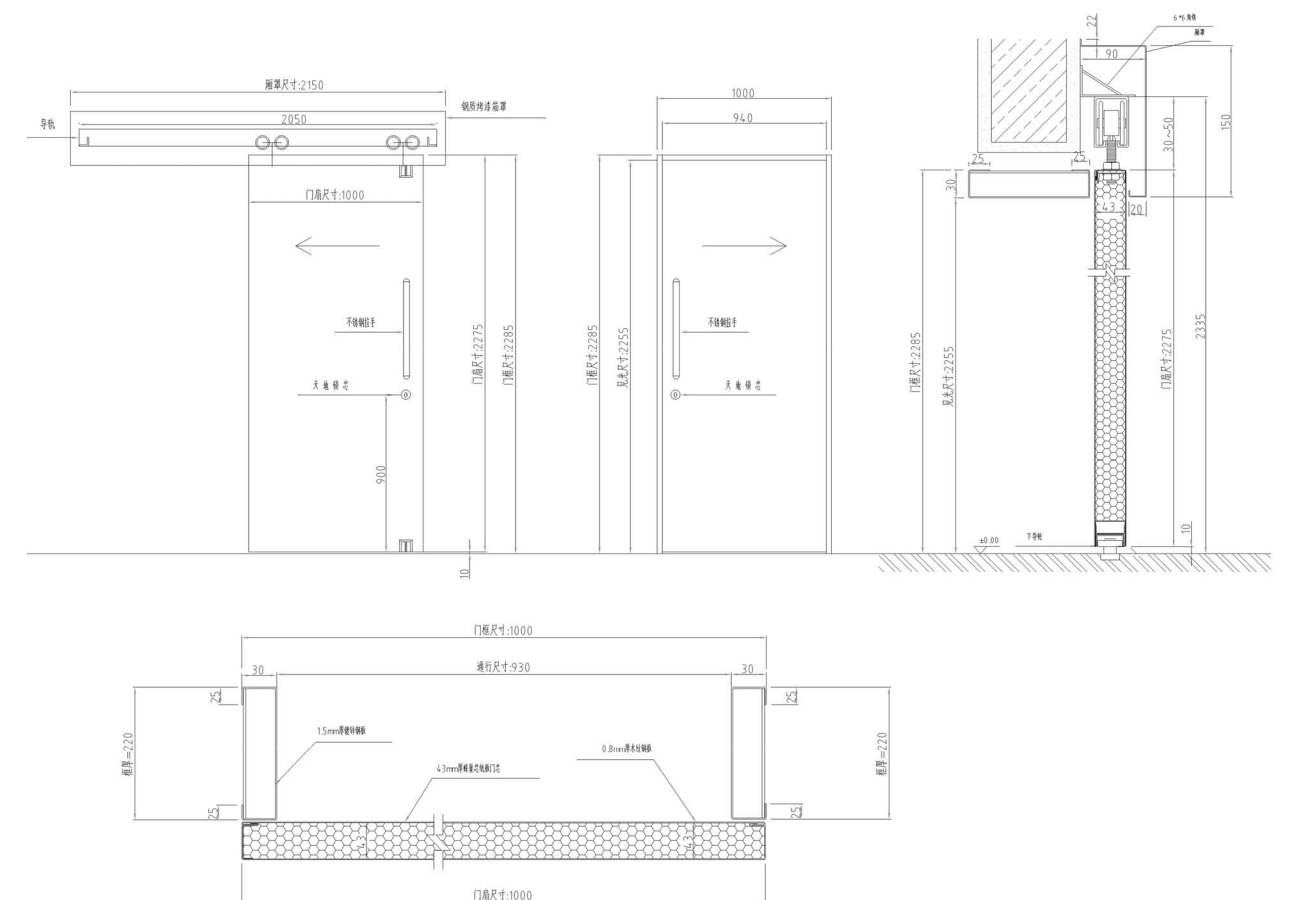
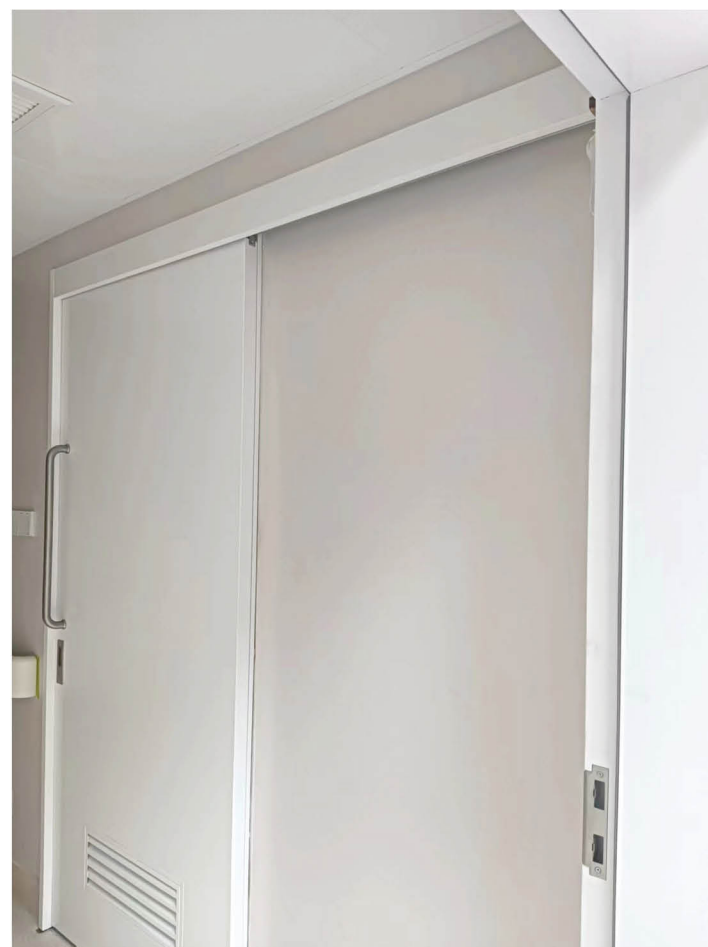
The door panels are made of 0.8mm galvanized steel plate, with a flexible bending process for the entire perimeter and a tight fit. The surface is coated with PVC film and then undergoes electrostatic powder painting.

Internal filling with high-strength honeycomb.

Standard hardware includes stainless steel handles, imported guide rails and sliding door locks.

Easy to open.

Suitable for accessible bathrooms and other such places.





Steel office door

The general opening size is 1000mm.

The door frame is made of 1.5mm galvanized steel plate.

It is formed by one-piece bending and undergoes surface electrostatic painting process / PVC coating process.

The door panels are made of 0.8mm galvanized steel plate, with a flexible bending process for the entire perimeter and a tight fit.

The surface is treated with electrostatic paint coating process / PVC film coating process.

Internal filling with high-strength honeycomb.

Can be equipped with 6mm tempered frosted glass from windows.

Hardware is standard stainless steel, meeting European standards.

Suitable for office environments.





Sealed electric door

Radiation-proof electric

The door panel is made of 0.8mm galvanized steel plate.
 The flexible bending and surrounding interlocking process.
 The surface is treated with electrostatic baking paint process.
 Door panel with stainless steel anti-collision plate
 The anti-collision plate is flush with the door panel
 The window uses 6+6 double-sided purification window
 The glass is flush with the surface of the door panel
 The motor is equipped with an imported high-end motor.
 It is suitable for use in operating rooms, CT examination rooms,
 and radiation-proof rooms, etc.





Channel fire prevention

Glass door

The door frame is made of 1.5mm galvanized steel plate.

It is formed by a single piece bending process and then undergoes surface electrostatic painting or PVC coating treatment.

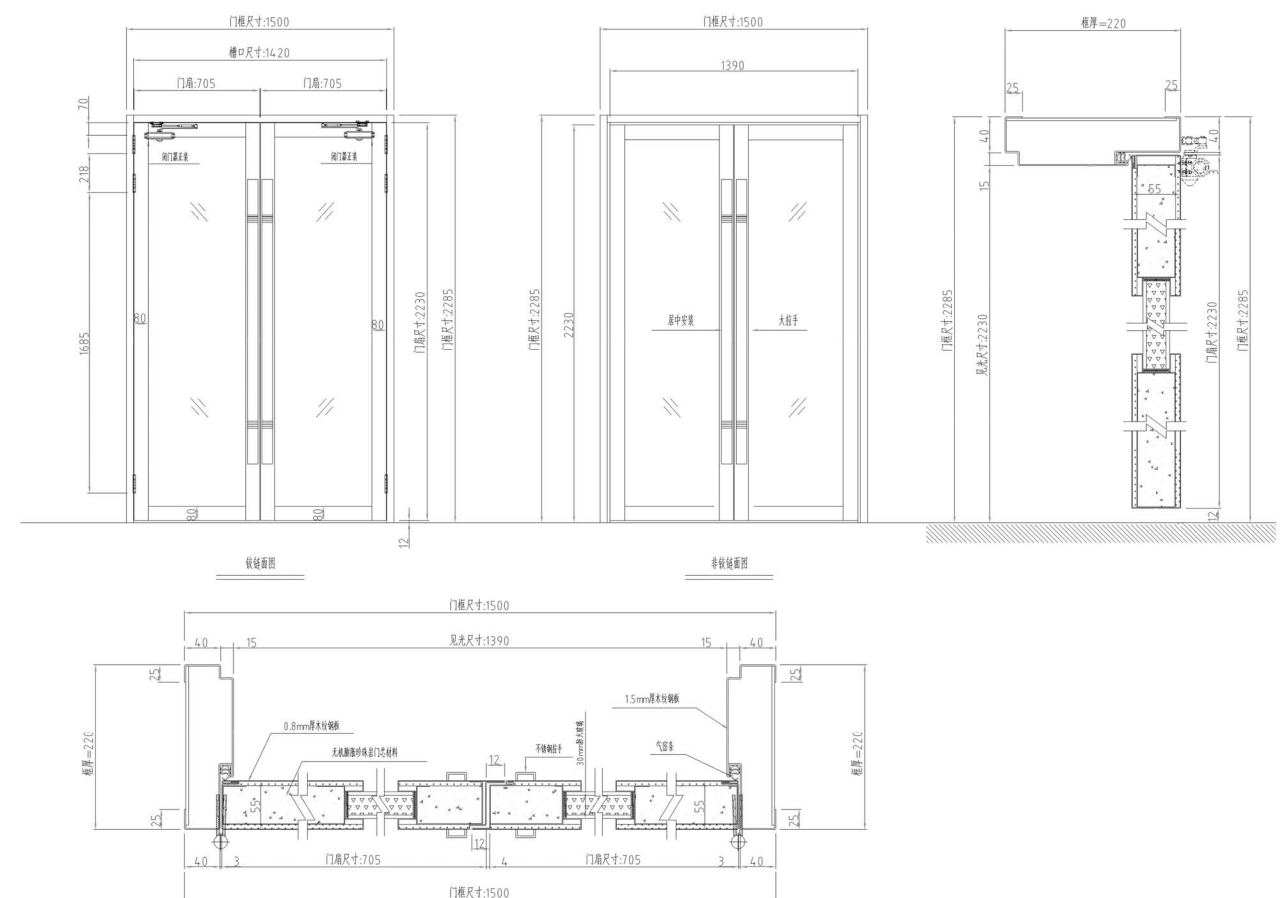
The glass is made of 30mm heat-insulating and fire-resistant glass.

The frame is treated with electrostatic paint coating/PVC film coating process.

Internal filling with high-strength honeycomb.

Hardware comes standard with stainless steel material, meeting European standards.

Suitable for corridors and other areas.





Steel-made Heat-insulating and fireproof door

The door frame is made of 1.5mm galvanized steel plate. It is formed by a single piece bending process and then undergoes surface electrostatic paint treatment / PVC coating process.

The door panel is made of 0.8mm galvanized steel plate.

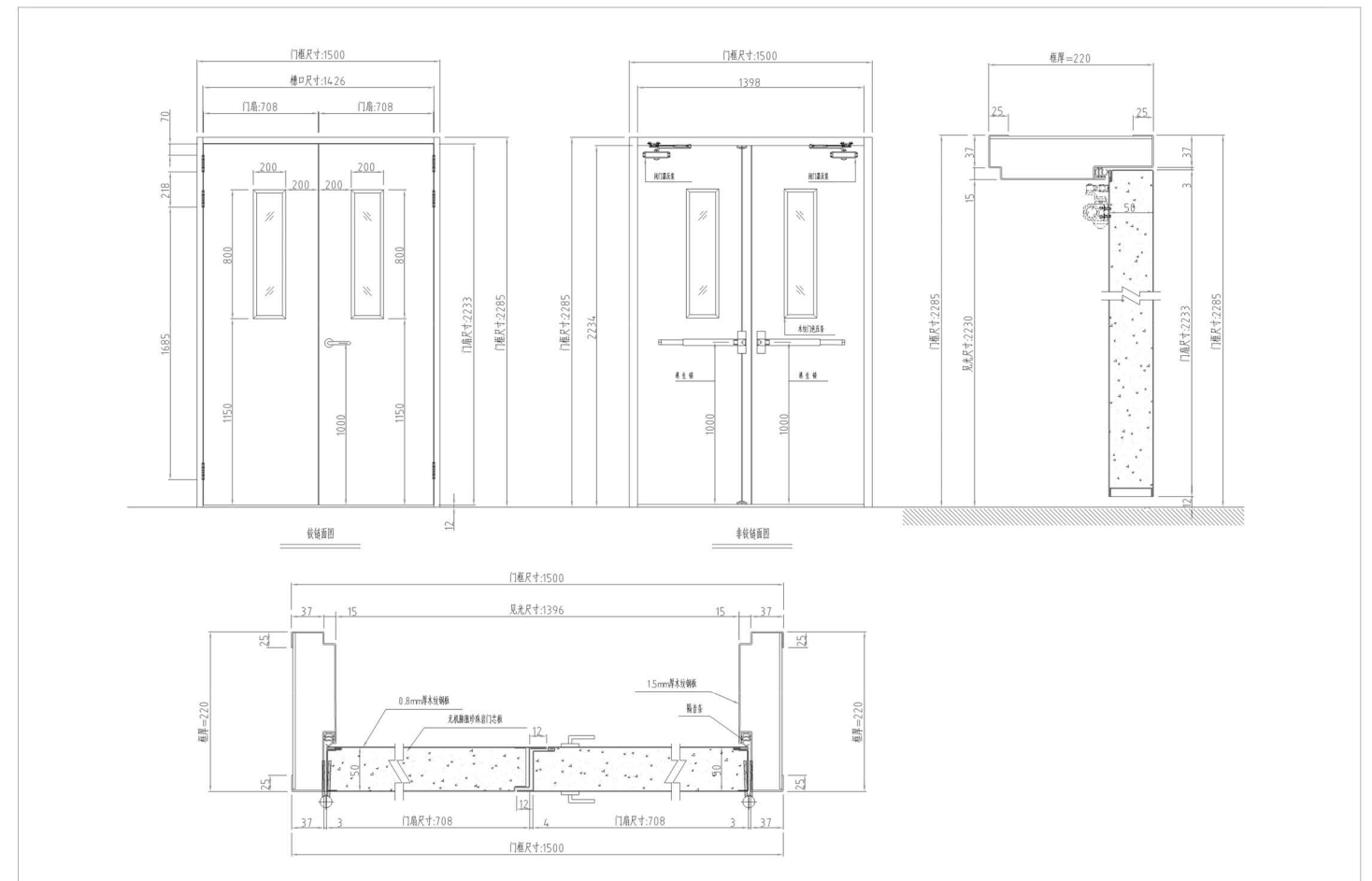
The flexible bending and surrounding bonding process.

Surface electrostatic baking paint process / PVC coating process.

Internal fireproof filling material.

The hardware is made of stainless steel, meeting European standards.

It is suitable for fire compartments, refuge areas, and power and weak current rooms, etc.





Metal sheet Glass partition

Fire-resistant and heat-insulating;
Prevent the spread of fire;
Isolate smoke and dust;
Prevent the diffusion of toxic gases;
Excellent sound insulation effect; Easy to install and dismantle;
Scope of application:
Mainly applicable to public buildings, commercial buildings,
residential buildings, etc. with fire protection requirements,
such as hospitals, libraries, museums, exhibition halls,
cinemas and theaters, airports, office buildings, high-rise
residences, computer rooms, etc.





Metal wall panels

Decorative lines

Fire-resistant and heat-insulating;
Prevent the spread of fire;
Isolate smoke and dust;
Prevent the diffusion of toxic gases;
Good sound insulation effect, easy to install and dismantle;
Scope of Application: It is mainly applicable to public buildings, commercial buildings, residential buildings, etc. that have fire protection requirements, such as hospitals, libraries, museums, exhibition halls, cinemas and theaters, airports, office buildings, high-rise residences, computer rooms, etc.



EN3 grade standard fireproof lock body: RK6072N



RK6072N

Optional triangular tongue



RK6072NS

Optional silent tongue piece



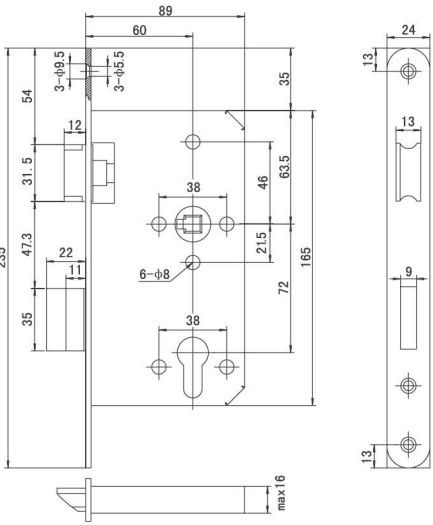
RK6072JY

Door edge distance: 60mm
Center distance: 72mm
Ratchet wheel square hole: 8mm/9mm

Panel type: Round head panel / Square head panel
Panel specification: 235x24(20)x3mm

Function Description:
Standard fireproof lock, adjustable left-right tongue design
CE certified: fire resistance for 240 minutes
Salt spray test for 240 hours; 200,000 cycle life test
China Grade A fireproof test for 90 minutes

Standard configuration:
Dual-sided movable fireproof handle and handwheel lock mechanism
Optional: External fixed handle, internal movable handle
Suitable for fireproof doors and smoke-proof doors



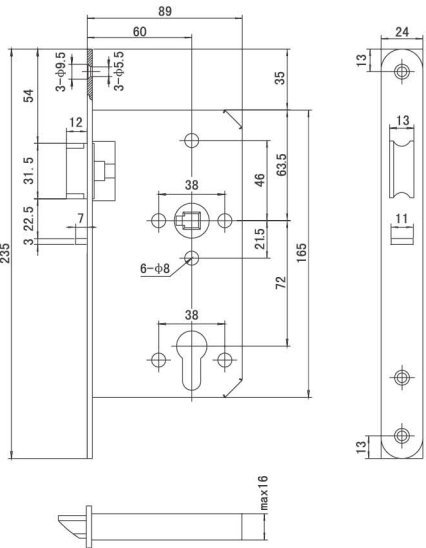
EN3 grade - Single-slip tongue automatic locking lock body (night lock): RK6072NF



Door edge distance: 60mm;
Center distance: 72mm;
Ratchet wheel square hole: 8mm/9mm;
Panel type: Round head panel/ Square head panel;
Panel specification: 235x24(20)x3mm;

Function Description:
Automatically locks the lock body, with adjustable left-right tongue;
CE certified: fire resistance for 240 minutes;
Salt spray test for 240 hours;
200,000 times opening and closing test.
EUN 3-level certification, Chinese Grade A fireproof inspection;

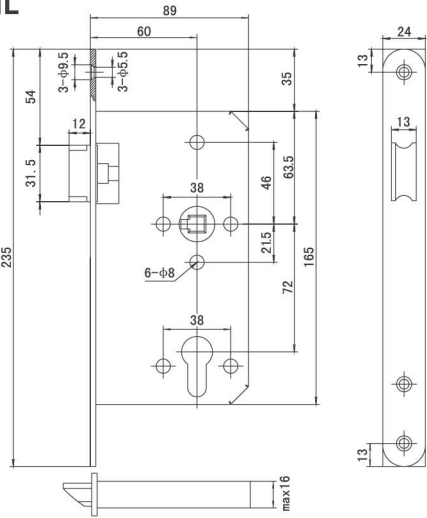
Anti-pull function: when closing, the compressed safety tongue locks the inclined tongue;
The outer side can be unlocked with a key, and the inner side handle can be depressed to unlock;
It can be used in conjunction with electric locks and push lever locks;
Suitable for fireproof doors in safety passages and smoke-proof doors.



EN3 grade - Single tongue channel lock body: RK6072NL



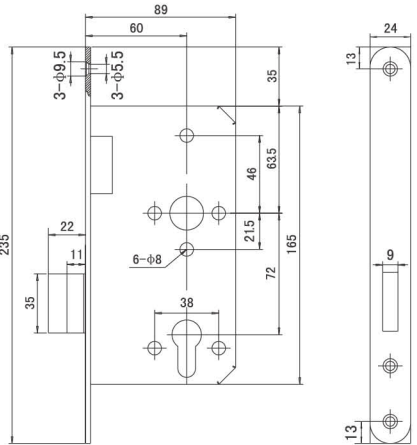
Door edge distance: 60mm
Center distance: 72mm
Ratchet wheel square hole: 8mm/9mm
Panel type: Round head panel/Face head panel
Panel specification: 235x24(20)x3mm



EN3 grade - Unilateral tongue pipe well lock body: RK6072ND



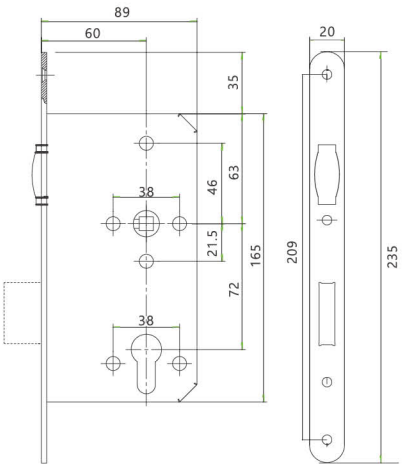
Door edge distance: 60mm
Panel type: Round head panel / Square head panel
Panel specification: 235x24(20)x3mm



EN3 grade - Ball lock body: RK6072PZ



Door edge distance: 60mm
Center distance: 72mm
Ratchet wheel square hole: 8mm
Panel type: Round head panel / Square head panel
Panel specification: 235x24(20)x3mm



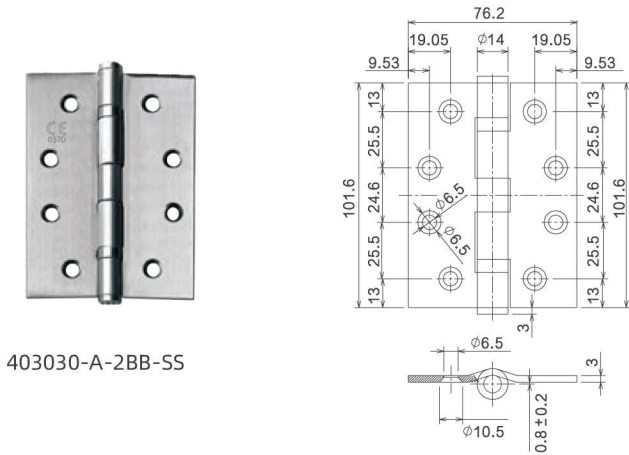
Fireproof hinge

The hinge is equipped with double ball bearings.
Precise processing ensures the strength of the hinge and the non-detachment of the cap.
It guarantees smooth rotation without any shaking gap.
It has obtained the EN1935-2002 certification and the CE fire

protection certification.
Material: SUS201 stainless steel / SUS304 stainless steel
Suitable for wooden and steel doors, fireproof doors
Passed 90-minute fire resistance test
Passed 300,000 tests

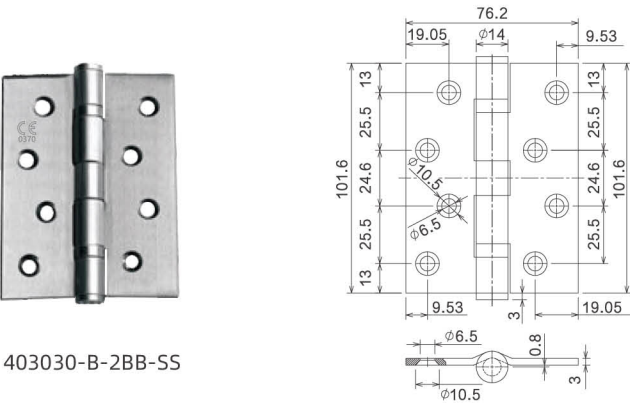
Door thickness (mm)	Door height (mm)	Recommended hinge size and quantity	
38-45	2040-2340	4''*3''	3pieces
	2340-3000	4''*4''	3pieces
45-55	2040-2340	4''*4''	3pieces
	2340-3000	4.5''*4''	3pieces
55-65	2040-2340	4.5''*4.5''	3pieces
	2340-3000	4.5''*4.5''	3pieces

CE



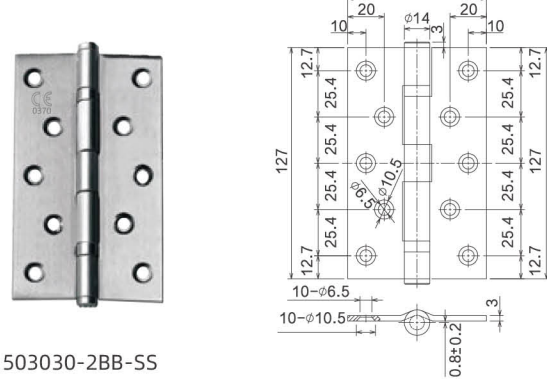
403030-A-2BB-SS

CE



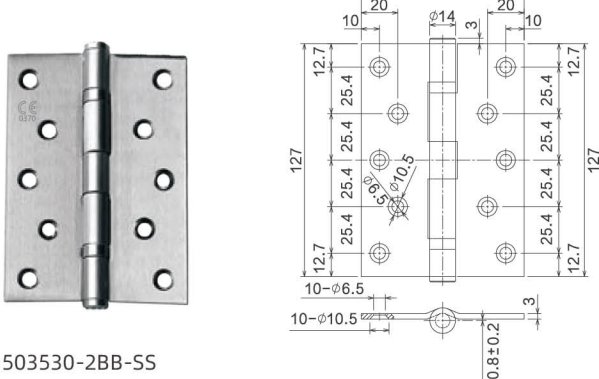
403030-B-2BB-SS

CE



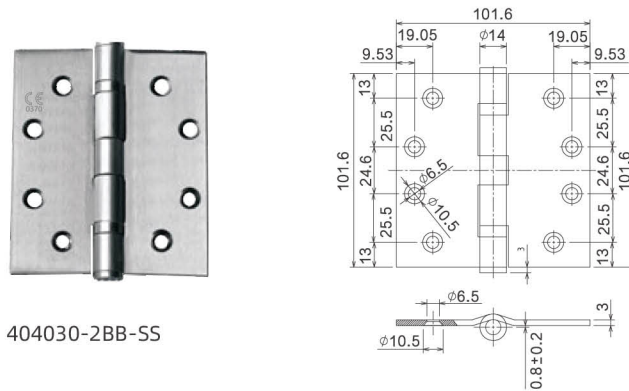
503030-2BB-SS

CE



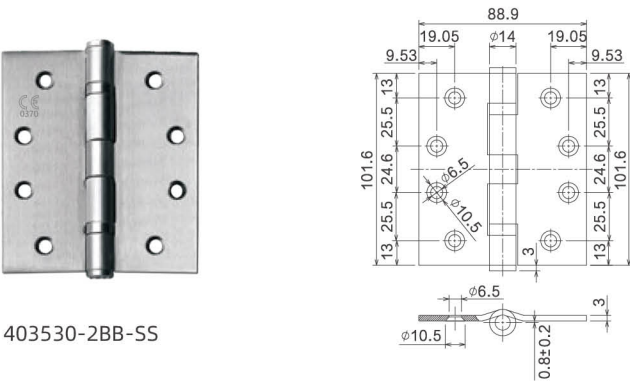
503530-2BB-SS

CE



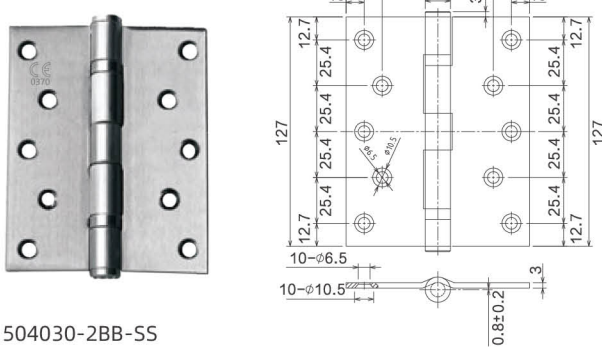
404030-2BB-SS

CE



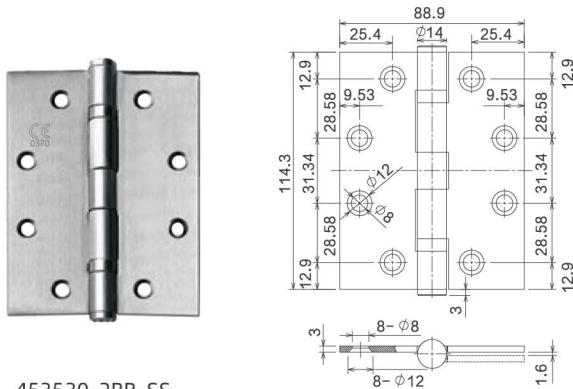
403530-2BB-SS

CE



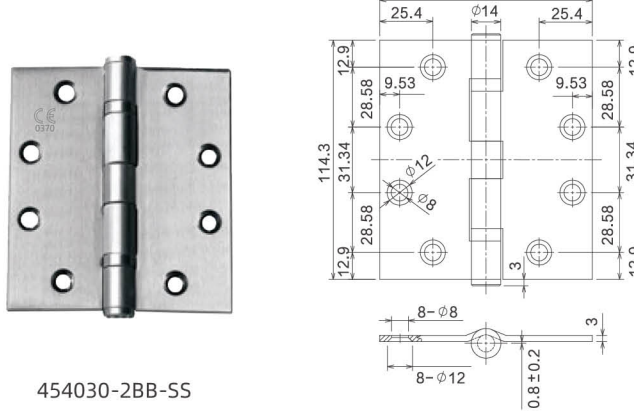
504030-2BB-SS

CE

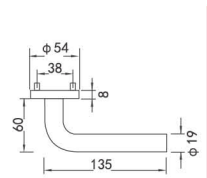


453530-2BB-SS

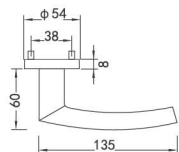
CE



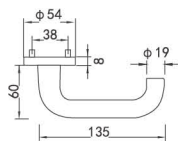
454030-2BB-SS



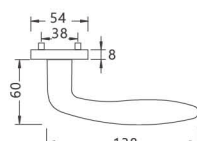
80001



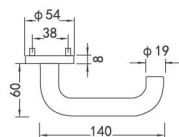
80002



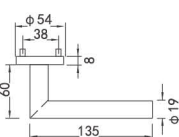
80030



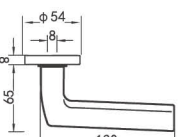
80044



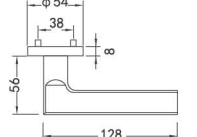
80003



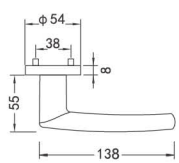
80004



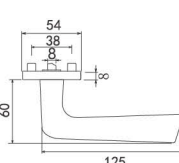
80053



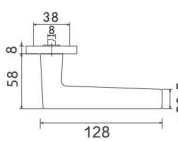
80054



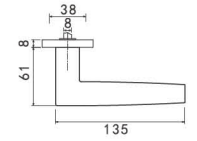
80016



80027



80056

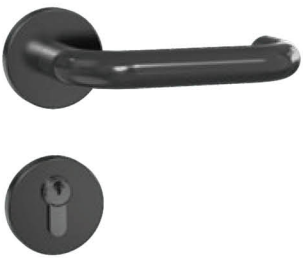


80057

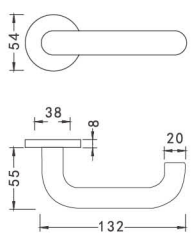
Nylon handle



70003 (灰色)



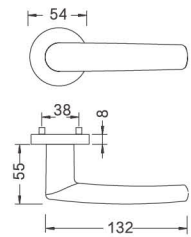
70003 (黑色)



70016 (灰色)



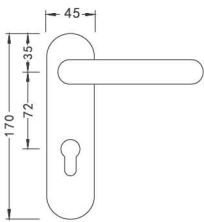
70016 (黑色)



70203 (灰色)



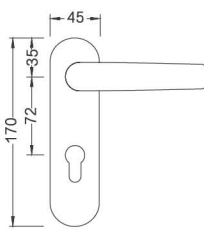
70203 (黑色)



70216 (灰色)



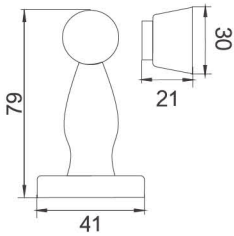
70216 (黑色)



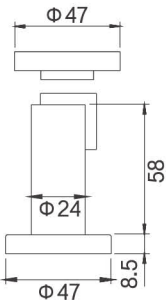
Door stop/Door catch



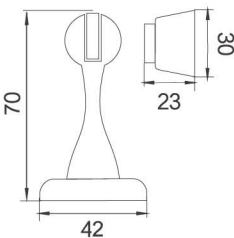
DH24



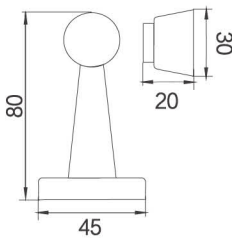
DH25



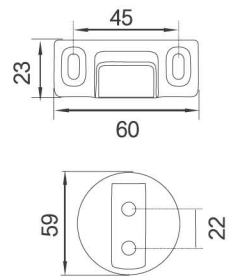
DH26



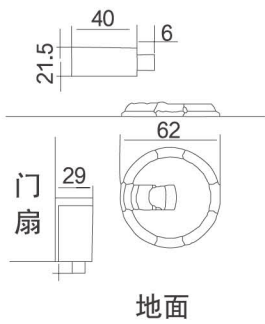
DH27



DH28-2



DH31



Reach out to more users
Experience the unique texture
of Tangchenrui Door Industry



Project Name	Project Name	Project Name
Fudan University Affiliated East China Hospital, Shanghai	Jiangbei International Medical Center of Gulou Hospital	Hunan Kangya Hospital
Tongji Hospital, Shanghai	Nanjing Liuzhong Central Hospital	Yueyang Maternal and Child Health Care Hospital
Shanghai First Maternity and Infant Health Care Hospital	Nanjing Gaochun People's Hospital	University of Chinese Academy of Sciences Shenzhen (Guangming) Hospital
Shanghai Xinhua Hospital	New Hospital of Shihua Huai'an	The First Affiliated Hospital of Sun Yat-sen University Nansha District
Shanghai Zhongshan Hospital	Affiliated Zhenjiang Hospital of Jiangsu University	Shenzhen Pui Eye Hospital
Shanghai Xuhui District Mental Health Center Hospital	Zhangjiagang First People's Hospital	Guangzhou Pui Eye Hospital
Shanghai Ruijin Hospital Main Campus	Changzhou Third People's Hospital	Jinhua Maternal and Child Health Care Hospital
Shanghai Public Health Center Jinshan Outpatient Center	Wuxi Jiangyin Xinzha Hospital	Jinhua Central Hospital
Wuhan Jiangxia District First People's Hospital	Wujiang Ruixing Hospital	Huzhou Central Hospital
Wuhan Changfu Sha Hospital	Zhouzhuang Hospital Qiujiang Hospital	Ningbo Zhoushan Hospital
Wuhan Yunjingshan Hospital	Gaoyou Hospital of Gaoyou City	Huzhou Shushan Hospital
Wuhan University of Science and Technology Affiliated Pu Ren Hospital	Nanjing Elderly Care Center	Wenzhou Central Hospital
Yueyang Maternal and Child Health Care Hospital	Bengbu Medical College First Affiliated Hospital	Changxing People's Hospital
Shiyan Zhengxi County People's Hospital	Bozhou People's Hospital	Luohe City Second People's Hospital
Wuhan Pu Rui Eye Hospital	Changfeng County Beicheng Hospital	Jiaozuo Baode County Baode People's Hospital
Wuhan Pu Ren Hospital	Suizhou Lingbi County People's Hospital	Hebei Provincial People's Hospital Longquan Campus
Xi'an Central Hospital	New District of the Second People's Hospital of Lincang City, Yunnan Province	Victory Oilfield Central Hospital Medical Building Project
Xi'an Red Cross Hospital	Lianghe County People's Hospital of Dehong	Jinan No.4 Hospital
Xi'an Public Health Center	Zunyi Medical College Affiliated Stomatological Hospital (Xinpu)	Dongying People's Hospital
Xi'an Eighth People's Hospital Gaoling Outpatient Center	Guizhou Moutai Hospital	Dezhou Elderly Demonstration City
Xi'an Jinghe Hospital	Guizhou Provincial People's Hospital Jin Zhu Hospital	Gaomi Xinji Hospital
Xi'an Lu Gang Hospital	Liangdu People's Hospital of Liangzhu, Lianghe City, Guizhou Province	Shandong Heze Municipal People's Hospital Phase I New Building
Shaanxi Hanzhong 3201 Hospital	Changgang Group General Hospital	Jiangxi Ganbei Hospital
Fufeng County Dazhong Hospital	Sichuan Province Xichang People's Hospital	Ganzhou People's Hospital
Yan'an University Affiliated Yan'an Hospital	Chengdu Seventh People's Hospital	Heilongjiang Agricultural and Forestry Development Administration General
Jiangsu Provincial People's Hospital	Deyang Maternal and Child Health Hospital	Heilongjiang Harbin Eye Hospital
Jiangsu People's Hospital Pukou Branch	Changsha Kaijing Hospital	Urumqi Pui Eye Hospital