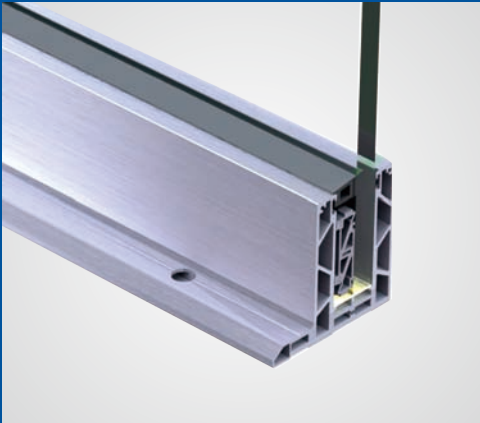


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Post Railing Systems Typical Product Catalogue



Post Railing Systems Typical
Product Catalogue



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Content



Balustrade Pillar Series 06

Single-plate Pillar 07

Double-plate Pillar 15

Circular Tube Pillar 25

Square Tube Pillar 29

Rectangular Tube Pillar 31

Flagpole Pillar 37

Light lamp Pillar..... 39

Installation Instructions 41



Pillar Fitting Series 43

Front Fixing Balustrade Bracket 45

Side Fixing Balustrade Bracket 49

Glass Clamp 54



Glass Support Series 60

Glass Partition Support Fitting 61

Aluminum Alloy U Channel 64

Glass Connector 69



Handrail Fitting Series 70

Handrail Supporting (Glass) 71

Handrail Supporting (Wall) 74

Bump Rail Accessories 75

End Cap 76

Connector 77

Elbow 78

Base Plate 80

Cover Plate 82

Luminous handrail 93



Micro Cable / Midrail 84

Metro Products..... 89

Products for Airport 93

Commonly Used Handrail Sections 94

Commonly Used Fasteners 95

Typical Project Cases..... 96

Introduction for Product Material

I .Product material description

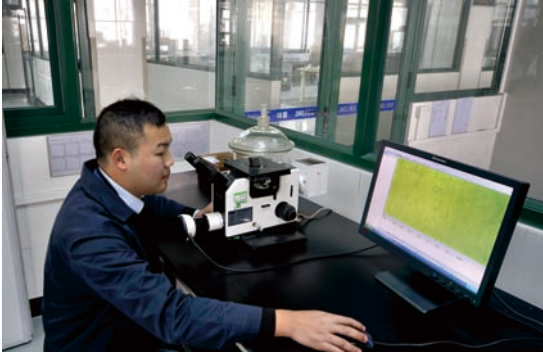
Commonly Used Raw Material

- Stainless steel plate:316L,304 (ASTM A666,ASTM A240/240M/);
- Stainless steel tube:316L,304 (ASTM A554,ASTM A269/A269M);
- Stainless steel rod:316,304 (ASTM A276/A276M)
- Stainless steel casting:CF8M,CF8,CF3M,CD3MN (ASTM A743/A743M,ASTM A890);
- Aluminum alloy profiles 6063-T6 (GB/T 3190,GB/T 5237 series);
- Non-standard materials: Other materials required by customers (refer to other materials similar to 304 and 316);

Note: please mark the material requirements when ordering:

II .The Chemical Composition of Stainless Steel

UNS	Chemical Composition %									
	C ≤	Mn ≤	P ≤	S ≤	Si ≤	Cr	Ni	Mo	N	Other Element
304	0.08	2.00	0.045	0.030	1.00	18.00~20.00	8.00~11.00	—	—	—
316	0.08	2.00	0.045	0.030	1.00	16.00~18.00	10.00~14.00	2.00~3.00	—	—
316L	0.03	2.00	0.045	0.030	1.00	16.00~18.00	10.00~14.00	2.00~3.00	—	—
CF 8	0.08	1.50	0.04	0.04	2.00	18.00~21.00	8.00~11.00	—	—	—
CF8M	0.08	1.50	0.04	0.04	2.00	18.00~21.00	9.00~12.00	2.00~3.00	—	—
CF3M	0.03	1.50	0.04	0.04	1.50	17.00~21.00	9.00~13.00	2.00~3.00	—	—
2205	0.03	2.00	0.030	0.020	1.00	22.0~23.0	4.5~6.5	3.0~3.5	0.14~0.20	—
CD3MN	0.03	1.50	0.04	0.020	1.00	21.00~23.50	4.5~6.5	2.5~3.5	0.10~0.30	—



STAINLESS STEEL MAINTENANCE GUIDANCE

I .Precautions for Storage and Installation

1.Precautions for Storage

- ① During transportation and unloading, collision or strong shaking shall be avoided to prevent parts from loosening and falling or products from scratching;
- ② When storing in a dry and ventilated environment, avoid the impact of sunlight, rain and other objects, and avoid the erosion of corrosive environment.

2. Precautions for Installation

- ① In order to ensure the service life of stainless steel, it should not be used in the environment with industrial pollution, chemical paint, acid rain and air corrosion
- ② Post Railing column should be fixed on the structural layer with expansion bolts or chemical anchor bolts, not directly fixed on the masonry or cushion; the anchoring reliability should be tested according to JG / T 473-2016 《Test method for anchorage of guardrail 》 before installation;
- ③ The perpendicularity and straightness of the pillar shall be ensured when installing the pillar. When welding the pillar and the embedded plate, the stainless steel welding rod shall be used for full welding reinforcement, and the protection shall be paid attention to, so as to prevent the welding slag from splashing on the stainless steel surface or other material surface and causing pollution. Antirust paint shall be applied at the welding position of pillar and embedded plate
- ④ Protective measures shall be taken during the installation of pillar to prevent cement mortar and dust in air on the surface of stainless steel guardrail and accessories. Please pack the product body and accessories with waterproof and dust-proof packaging materials. It is strictly prohibited to corrode stainless steel products with acid and alkaline liquid substances; if the products are rusted due to the adhesion of water mud mortar, acid and alkaline liquid residue, The relevant responsible unit shall be responsible for handling.
- ⑤ After the installation, the protective film on the surface of the column shall be removed in time, and the covering time of the protective film shall not exceed 1 months at most. If the adhesive residue is caused by not removing the protective film in time, the relevant responsible unit shall be responsible for handling.
- ⑥ There is no direct contact between glass and metal, so flexible gasket and cushion block should be lined. When installing glass, ensure that there is no missing installation of installation gasket and support gasket;
- ⑦ The screw installation torque should not be less than 60% of the screw breaking torque. In order to prevent the nut from loosening, it is recommended to coat the screw with thread locking glue in advance when installing the screw;
- ⑧ In order to avoid yellowing phenomenon of sealant and rubber gasket after use, it is suggested to select black sealant. Before gluing, the dyeing

II .Common pollution of stainless steel and cleaning methods

- 1.The causes and conditions of stainless steel pollution and rust are different, so the most suitable maintenance method should be adopted according to the actual situation.
- 2.Stainless steel surface with dust and easy to remove dirt, can use soapy water, weak detergent to clean.
- 3.Stainless steel surface trademark, film residue, you can use warm water, weak detergent to wash. Residual binder components can be scrubbed with alcohol or organic solvents (ether, benzene);

- 4.The grease, oil and lubricating oil on the surface of stainless steel can be cleaned with soft cloth, and then cleaned with neutral detergent or ammonia solution or special detergent.
- 5.When there is bleach and various acid attachments on the surface of stainless steel, it is necessary to wash with water immediately, then wash with ammonia solution or neutral soda water solution, and finally wash with neutral detergent or warm water.
- 6.There are rainbow lines on the surface of stainless steel, which are caused by excessive use of detergents or oil stains. Warm water or neutral washing can be used to remove them.
- 7.The cement or mortar splashed on the surface of stainless steel should be washed away with a lot of water before they set, otherwise it is difficult or even impossible to remove the solidified mortar from the surface of stainless steel without leaving traces.
- 8.The rust on the scaffold or the deposition of dust on the cutting wheel, the splashing of oxyacetylene combustion and the carbon steel pollution caused by long-time contact with carbon steel parts can be cleaned with special glue or 10% phosphoric acid solution, then rinsed with ammonia water, and then rinsed with cold water. Or moisten with oxalic acid solution for 15 minutes, then rinse with cold water and wipe dry.

III.Daily maintenance precautions

- 1.Wipe surface of stainless steel, especially mirror-finished stainless steel, with soft cloth to avoid damaging products. Wipe along the grain on the surface when it comes to draw bench-surface.
- 2.It should be avoided to use scrubbing solution with bleaching composition, steel-wire-ball or lapping tool to wash up stainless steel. Don't forget to clean up with water after washing up.
- 3.When cleaning solution is used to remove pollution and rust, please make local "trial rub" in advance to confirm the cleaning effect. If the test result is feasible, the comprehensive cleaning should be done according to this method. The cleaning should not only be done for the contaminated and rusty parts, but also for the surrounding parts as far as possible. Avoid uneven gloss on the surface of stainless steel, thus affecting the appearance.
- 4.After the use of cleaning liquid, must use clean water completely clean, pay attention to do not let liquid residual stainless steel surface, otherwise it will cause rust.
- 5.Health, safety and environmental requirements related to chemicals and cleaning measures shall be determined prior to use. It includes the discharge of waste water / acid, the treatment of plastic film, etc.

IV.Maintenance Period

Stainless steel products should be cleaned regularly at least once or twice a year. According to the different environment, we can apply different cleaning cycles appropriately:

Environment		Villages And Towns (Times per Year)	City (Times per Year)	Industrial District		Coastal District	
Location	Structure			General Environment (Times per Year)	Corrosion Environment (Times per Year)	General Environment (Times per Year)	Corrosion Environment (Times per Year)
In-Door	without Contaminants Accumulated	1 ~ 2	1 ~ 2	2 ~ 3	3 ~ 4	2 ~ 3	3 ~ 4
	with Contaminants Accumulated	2 ~ 3	3 ~ 4	3 ~ 4	4 ~ 5	3 ~ 4	4 ~ 5
Out-Door	without Contaminants Accumulated	1 ~ 2	2 ~ 3	3 ~ 4	4 ~ 5	3 ~ 4	4 ~ 5
	with Contaminants Accumulated	2 ~ 3	4 ~ 5	4 ~ 5	5 ~ 6	4 ~ 5	5 ~ 6

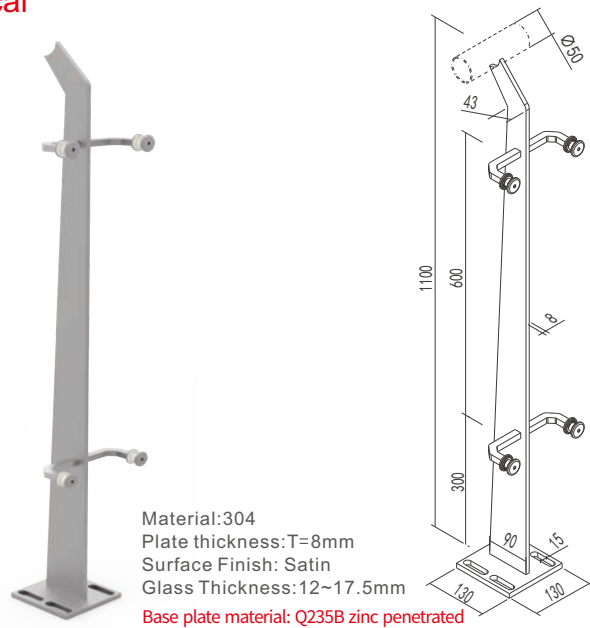


Product Features:

1. It adopts high-quality stainless steel raw materials with good mechanical properties and corrosion resistance.
2. Advanced mechanical polishing treatment with uniform surface texture, diverse color and easy for cleaning and maintenance.
3. It meets the requirements of JG / T342 《Glass and metal Guardrails for buildings》 and has high safety and good performance.
4. Simplified design, and elegant appearance with convenient installation.
5. There are various types of products, which are widely used in different kinds of civil buildings, public buildings and municipal gardens.
6. Respective solutions can be provided according to project requirements.

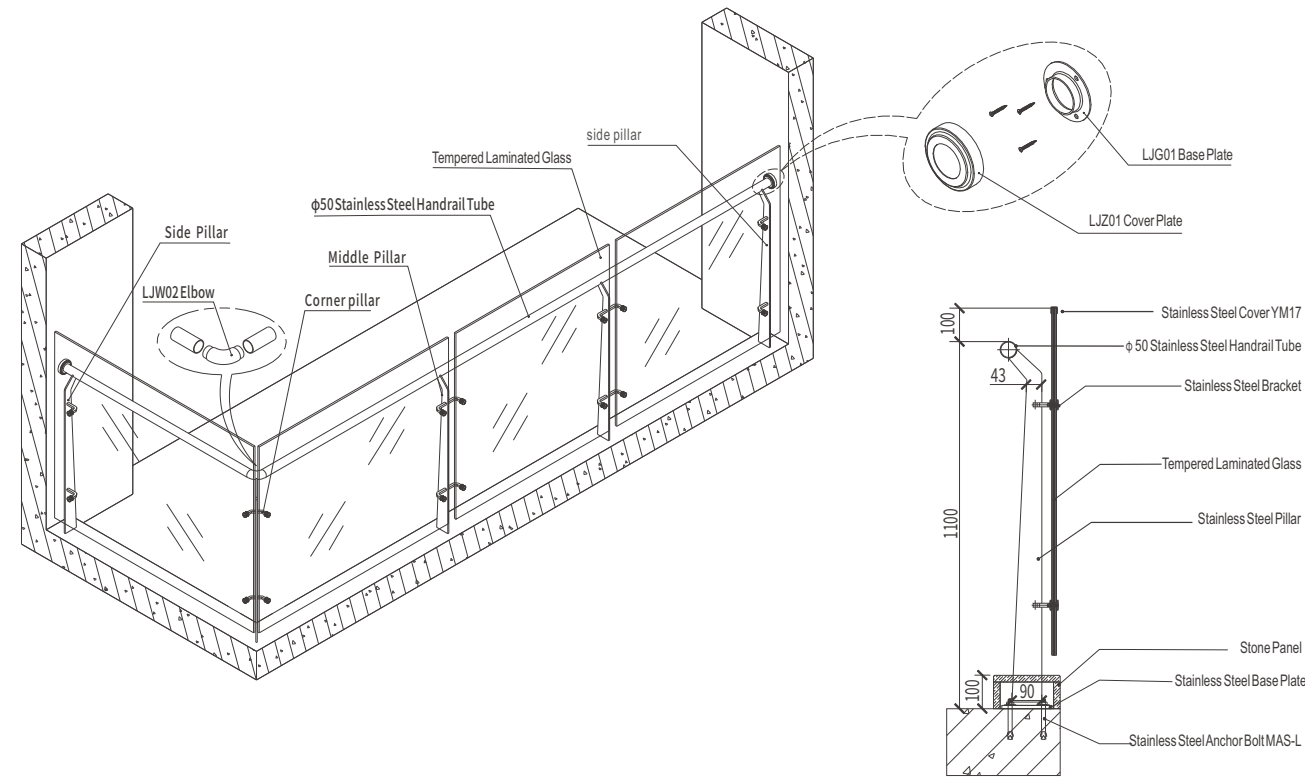
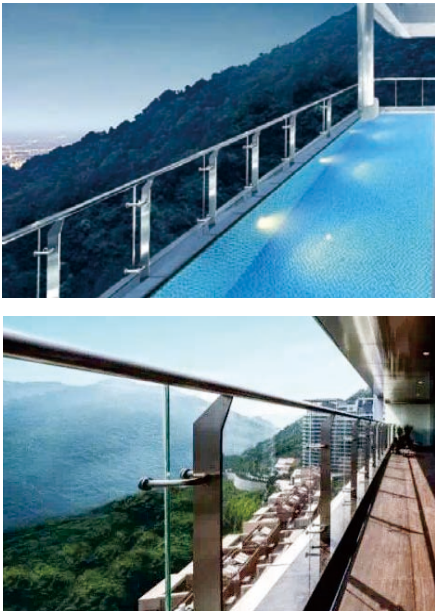
Single-plate Pillar: HLBD15

Economical

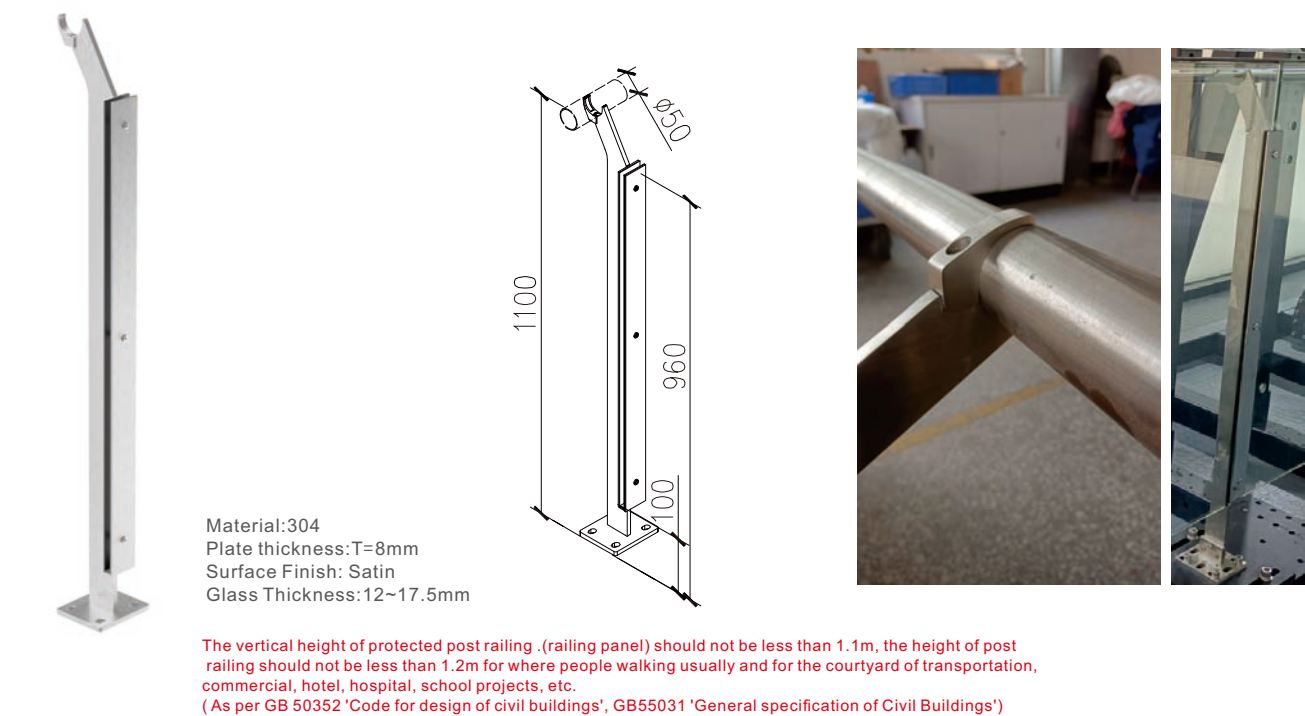


Material: 304
Plate thickness: T=8mm
Surface Finish: Satin
Glass Thickness: 12~17.5mm
Base plate material: Q235B zinc penetrated

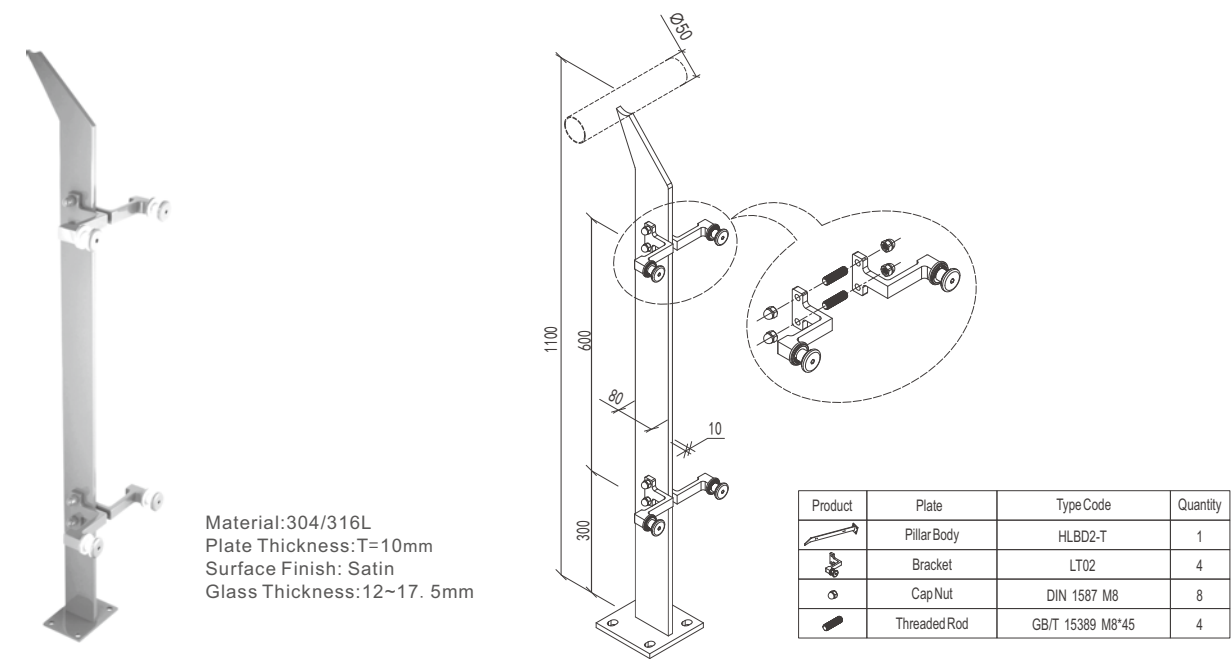
Middle Pillar: HLBD15-HJTL01M
Side Pillar: HLBD15-HJTL01
Corner pillar: HLBD15-HJTL01Z



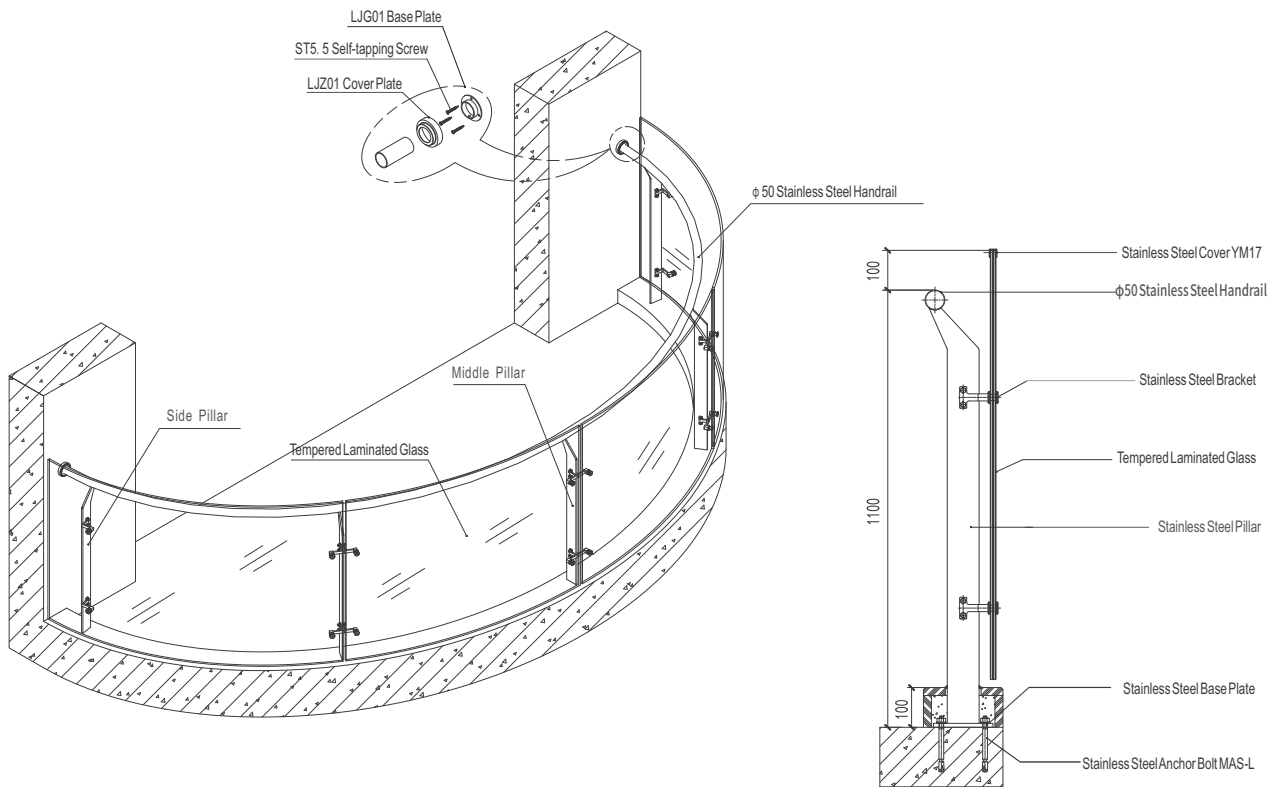
Single-plate Pillar: HLBD16



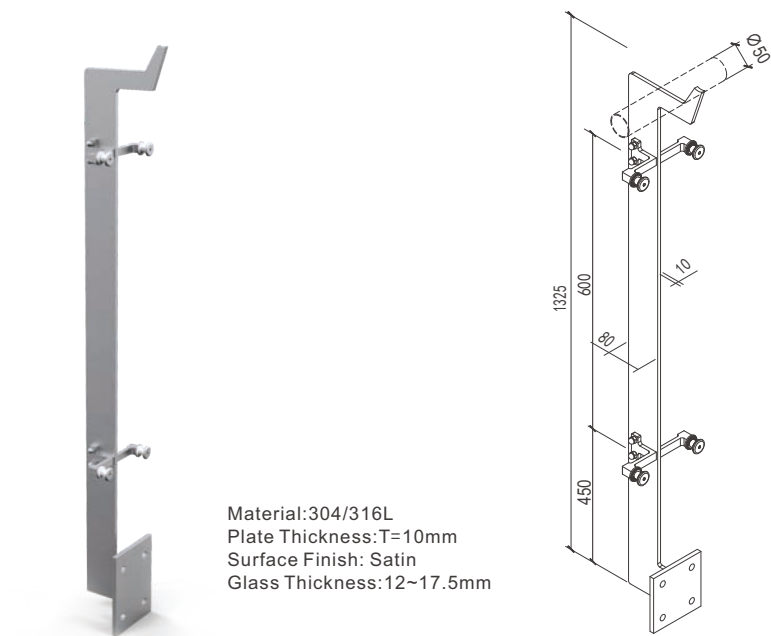
Single-plate Pillar:HLBD2



Middle Pillar: HLBD2-LT02M
Side Pillar: HLBD2-LT02



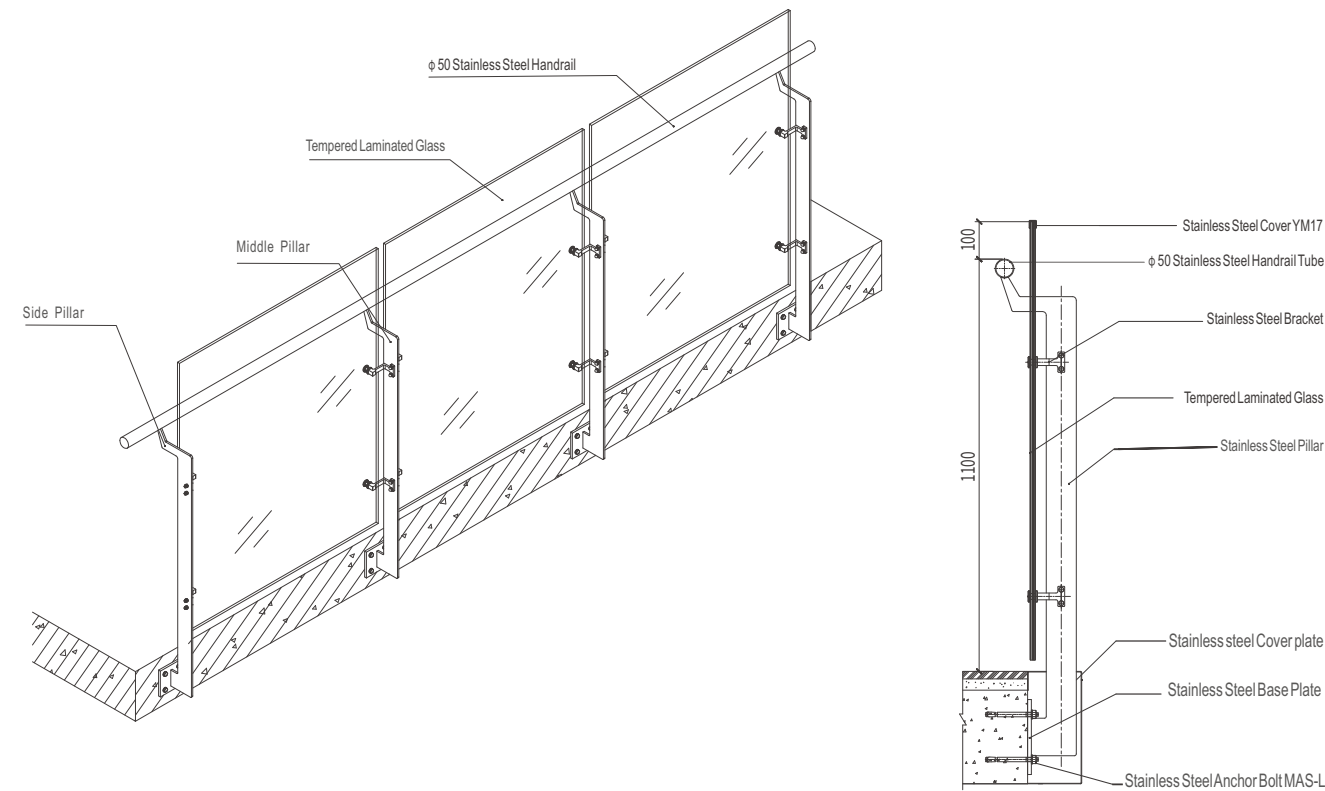
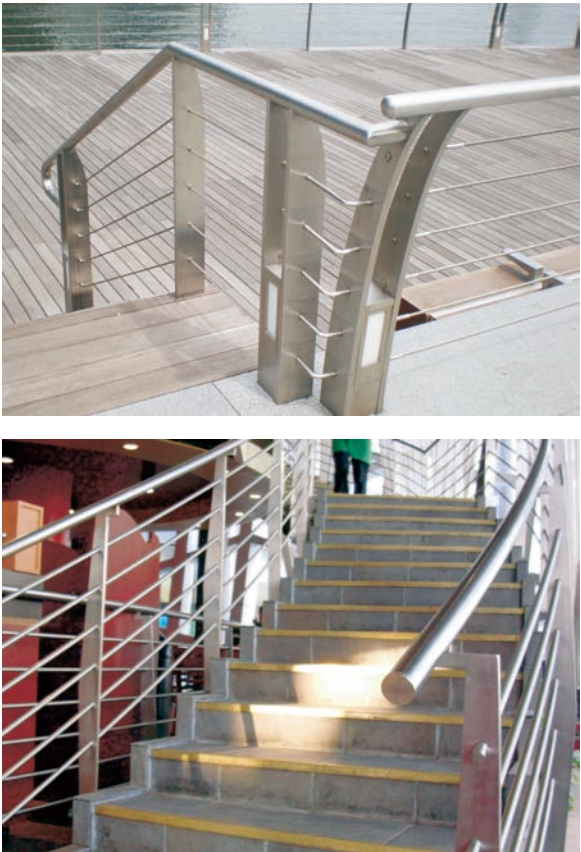
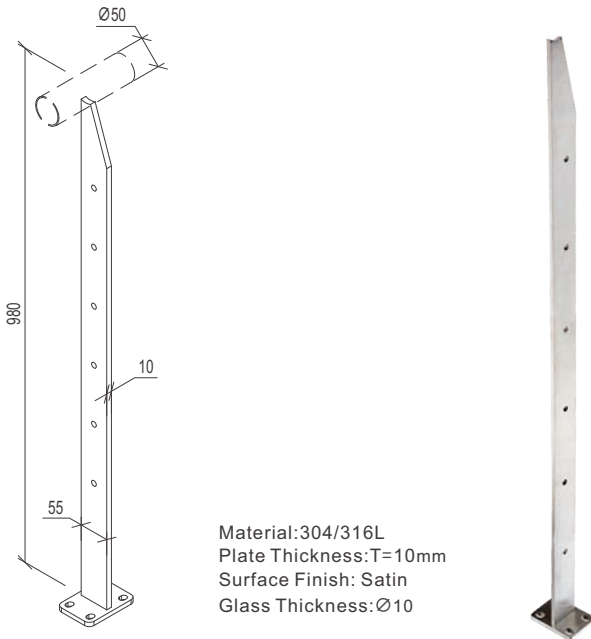
Single-plate Pillar:HLBD13



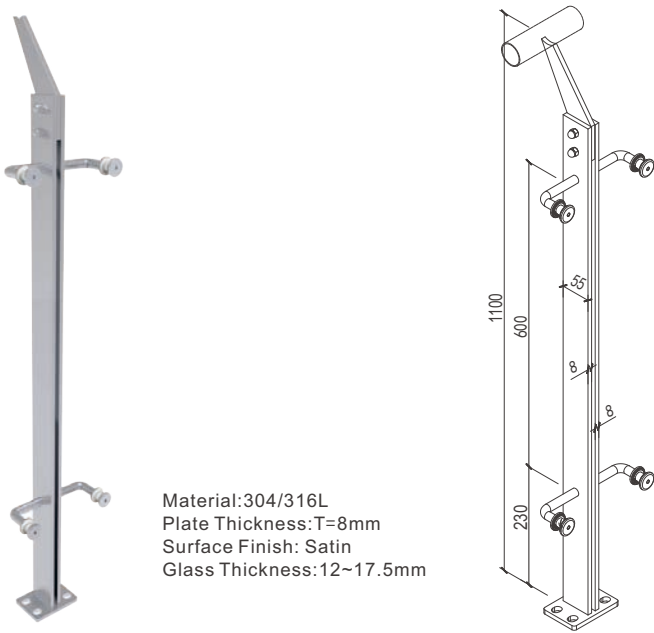
Bilateral Pillar: HLBD13-LT02M
Unilateral Pillar: HLBD13-LT02



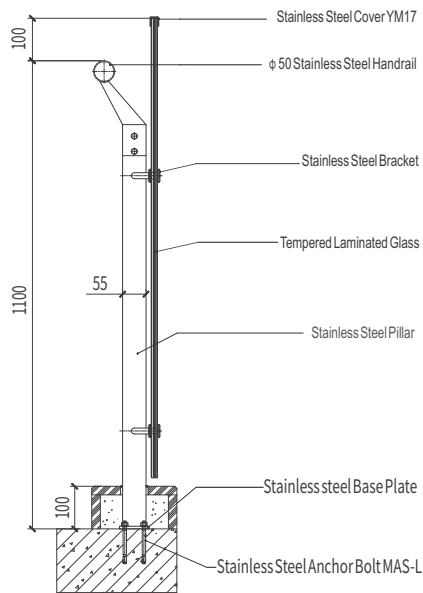
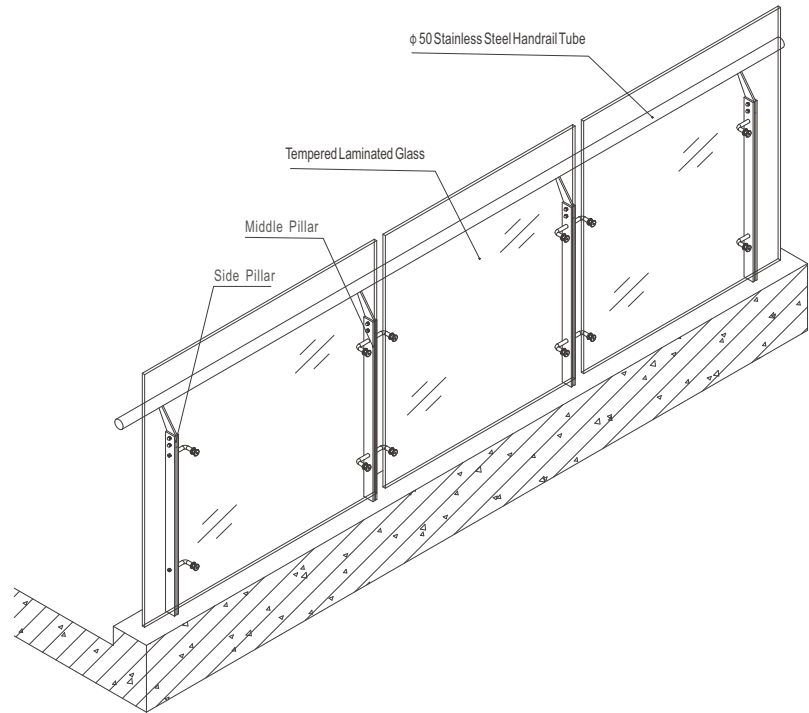
Single-plate Pillar:HLGD1



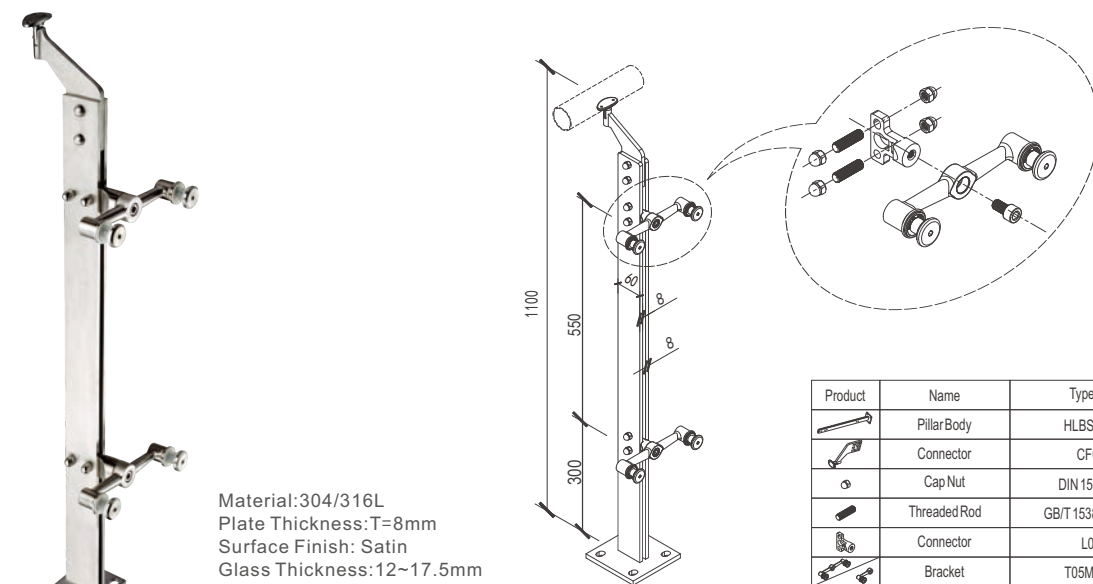
Double-plate Pillar:HLBS15



Middle Pillar: HLBS15-M
Side Pillar:HLBS15-L/HLBS15-R



Double-plate Pillar: HLBS16

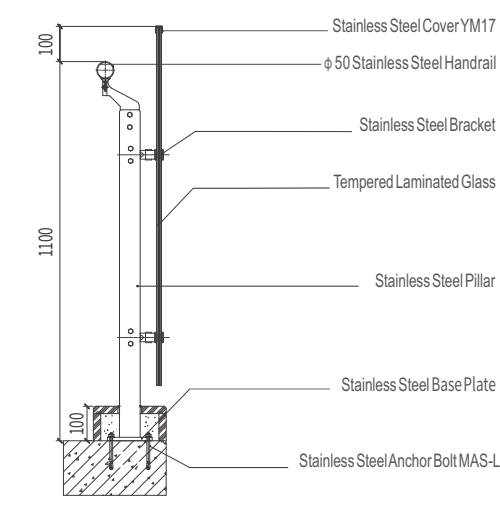
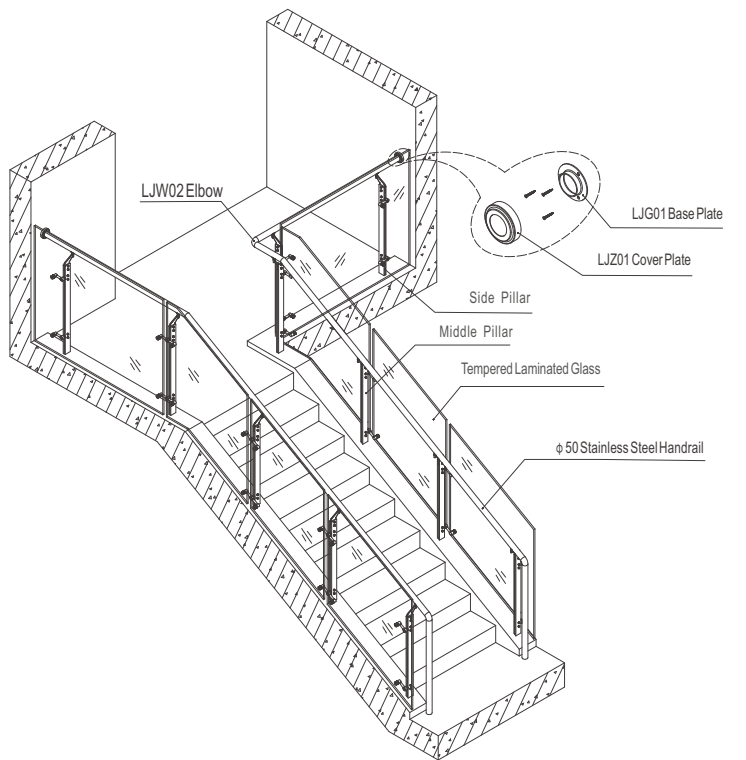


Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~17.5mm

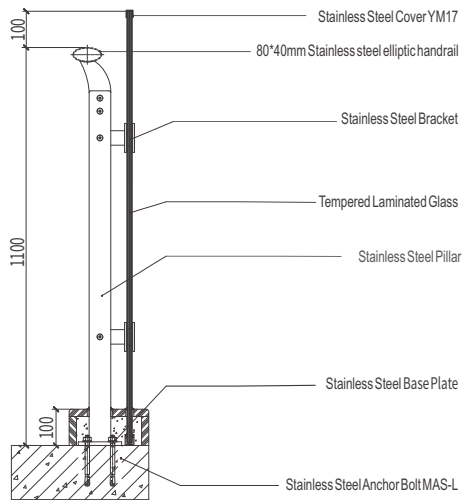
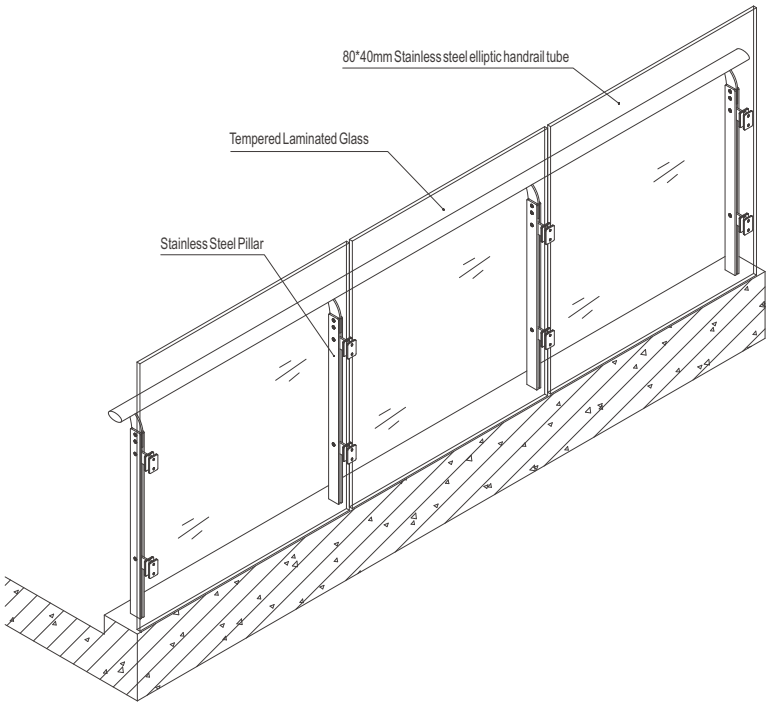
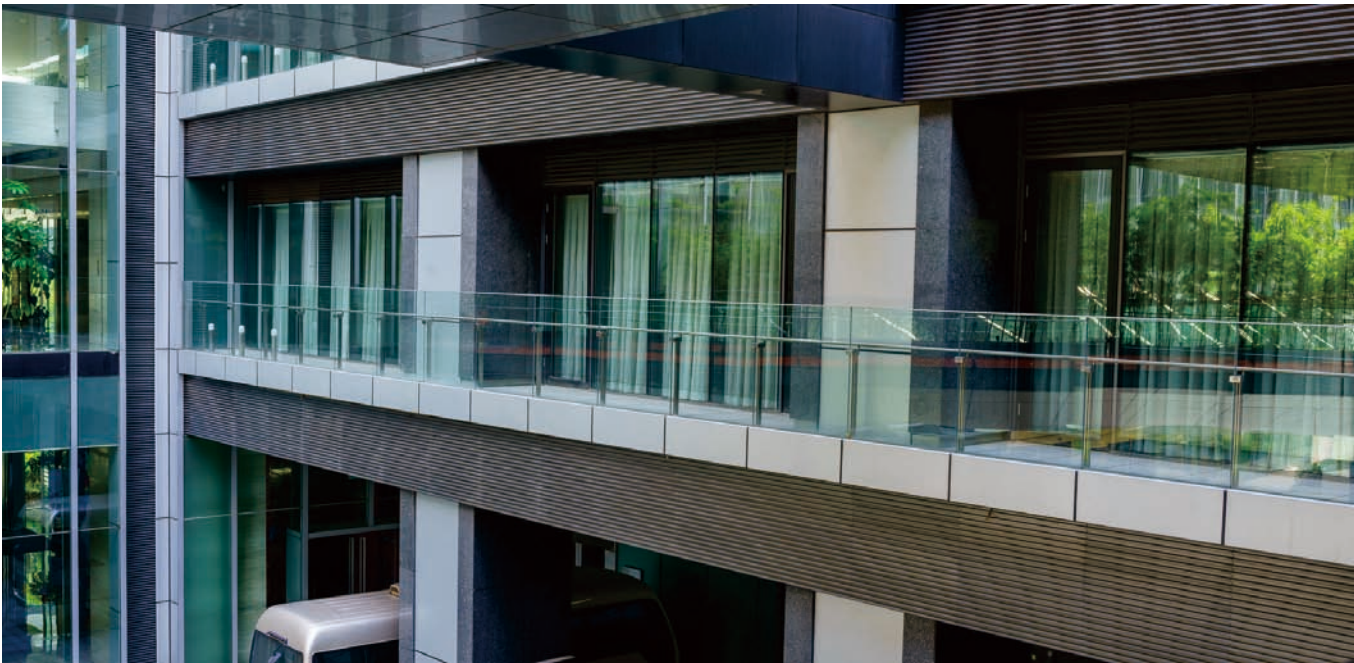
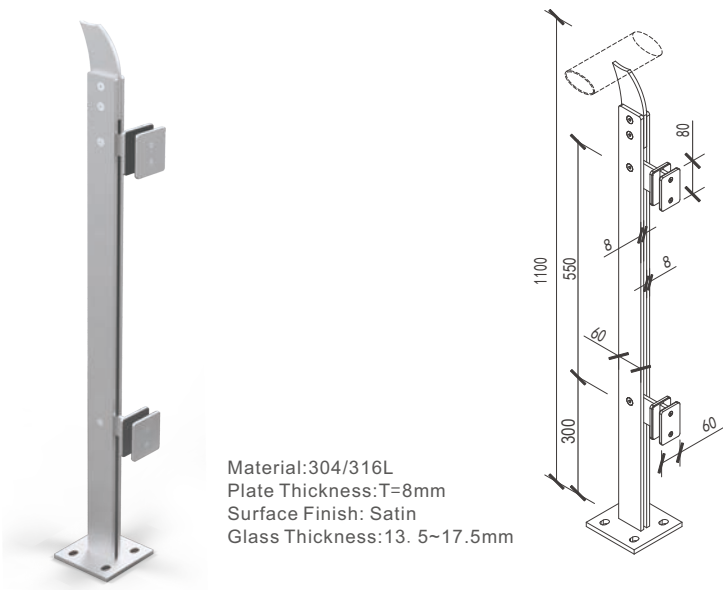
Product	Name	Type Code	Quantity
	Pillar Body	HLBS16-T	1
	Connector	CF04	1
	Cap Nut	DIN 1587 M8	12
	Threaded Rod	GB/T 15389 M8*45	6
	Connector	L03	2
	Bracket	T05M/T05	2
	Hexagon Socket Cap Screw	DIN912 M10*16	2

Middle Pillar:HLBS16-T05M
Side Pillar: HLBS16-T05





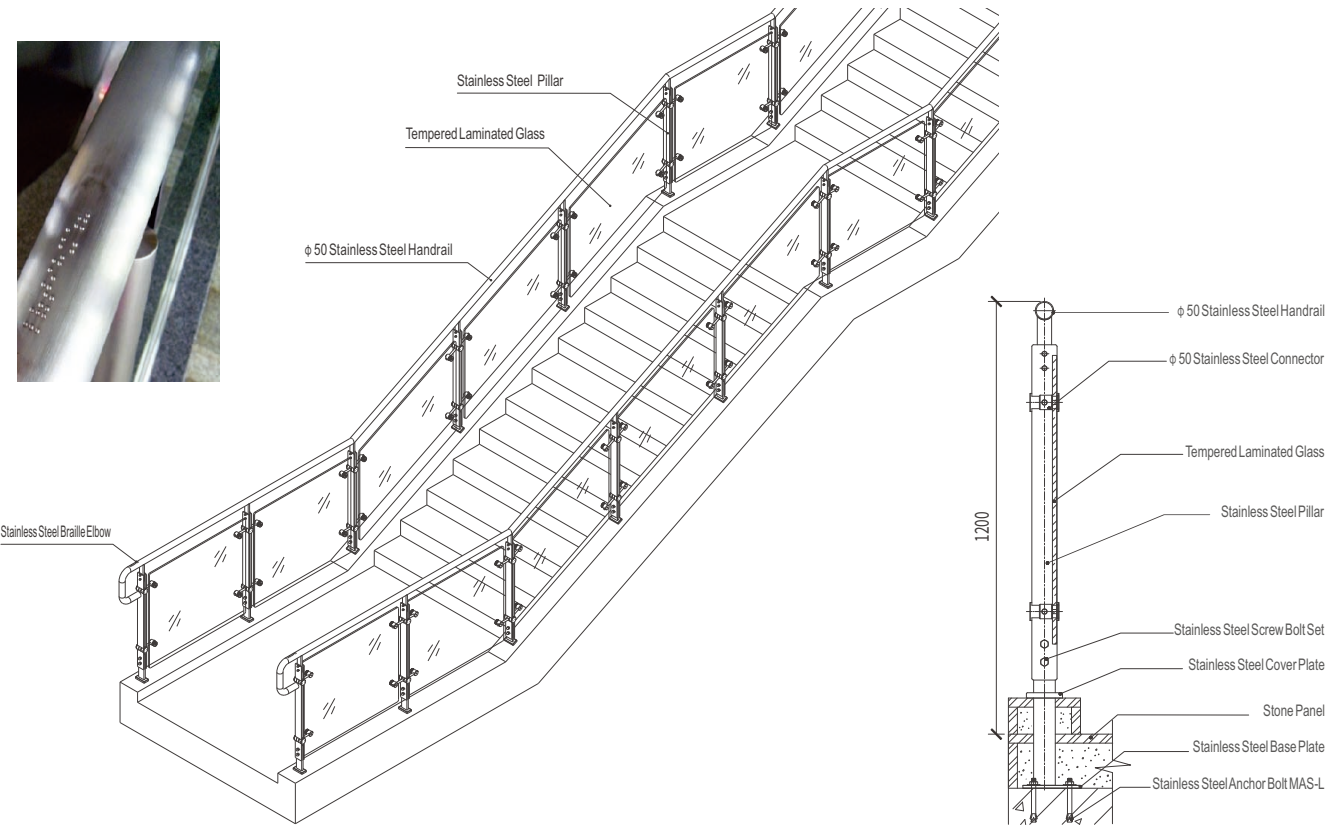
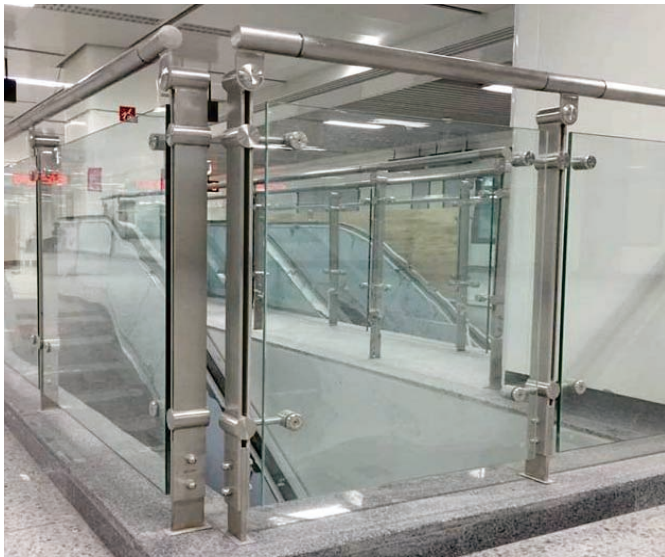
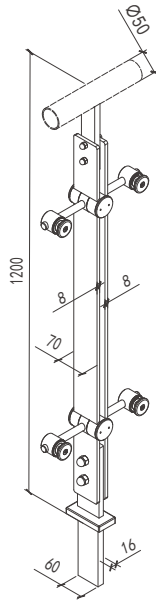
Double-plate Pillar: HLBS17



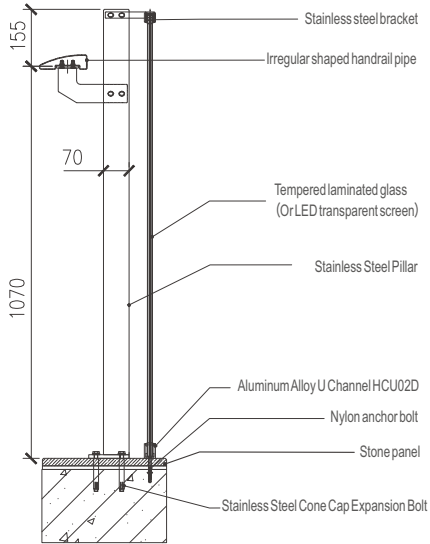
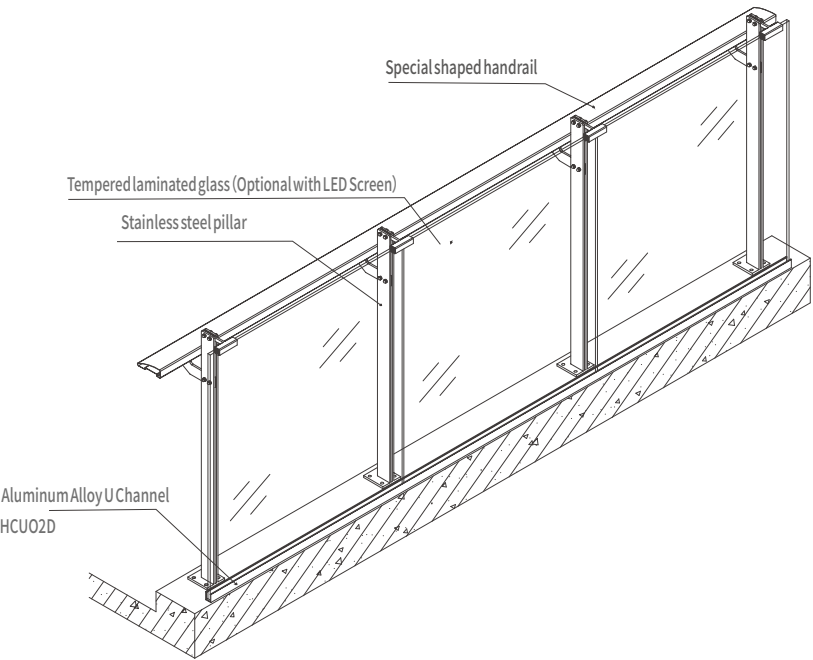
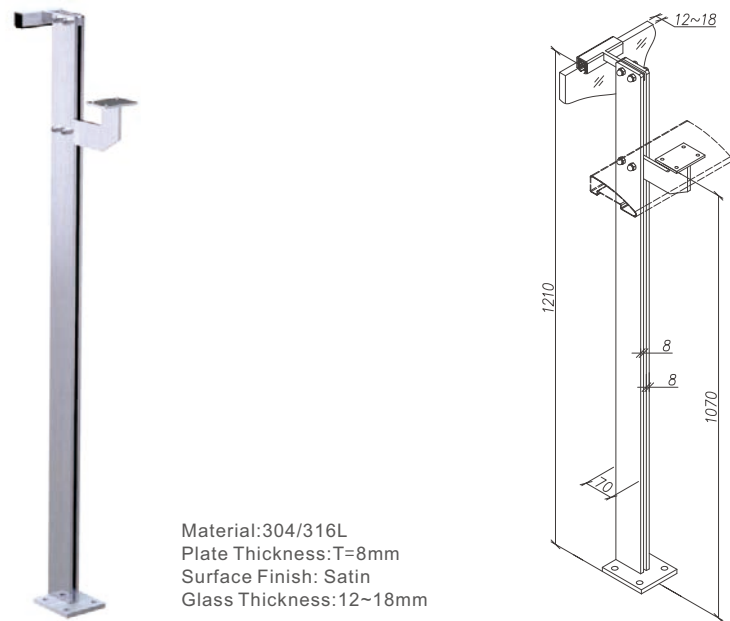
Double-plate Pillar: HLBS18




Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~17.5mm



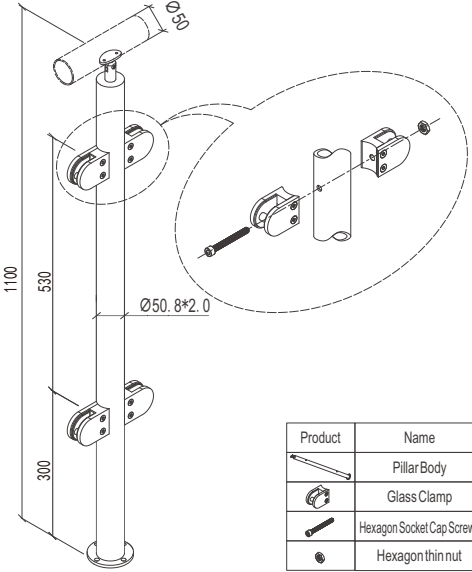
Double-plate Pillar: HLBS19



Circular Tube Pillar: HLBY1

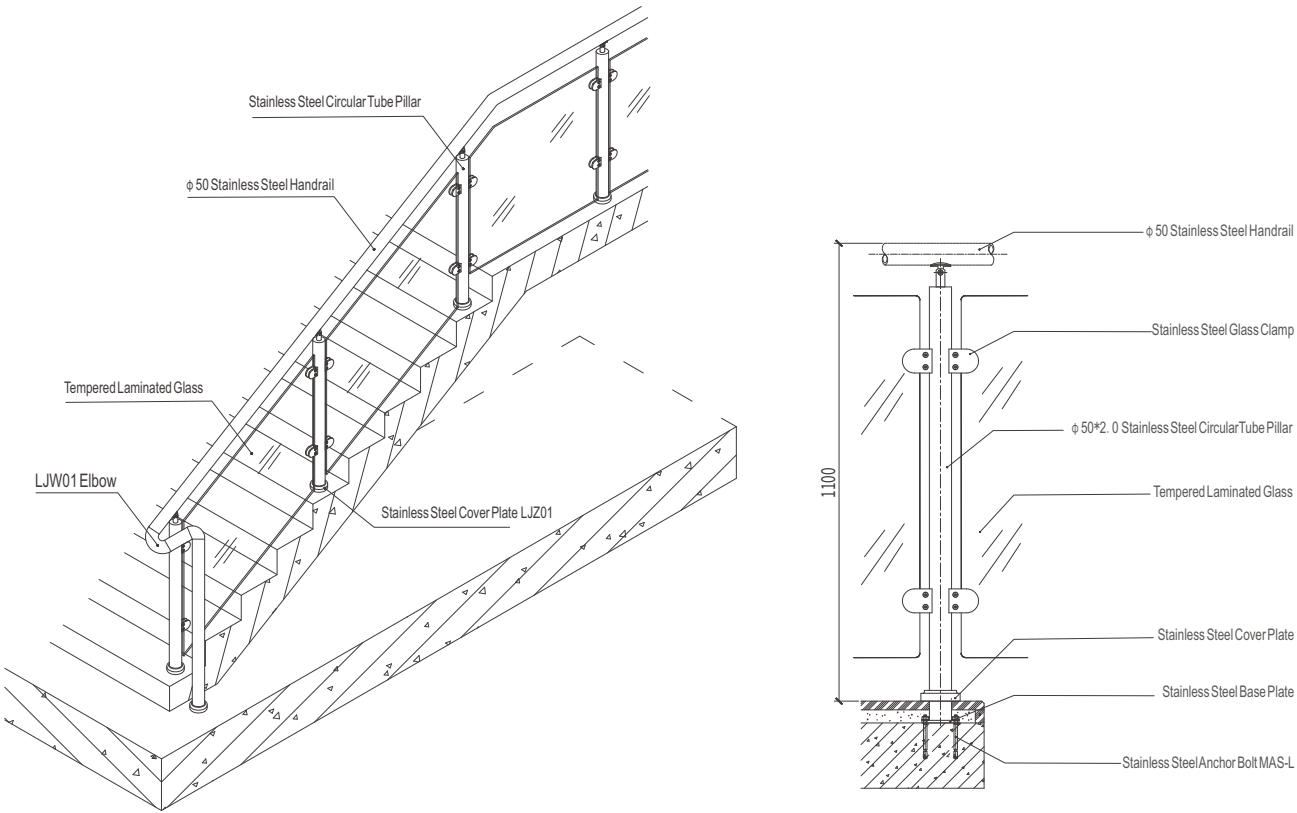


Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~17.5mm



Product	Name	Type Code	Quantity
	Pillar Body	HLBY1-B	1
	Glass Clamp	B04AF	4
	Hexagon Socket Cap Screws	DIN912 M8*L	2
	Hexagon thin nut	GB/T6172.1	2

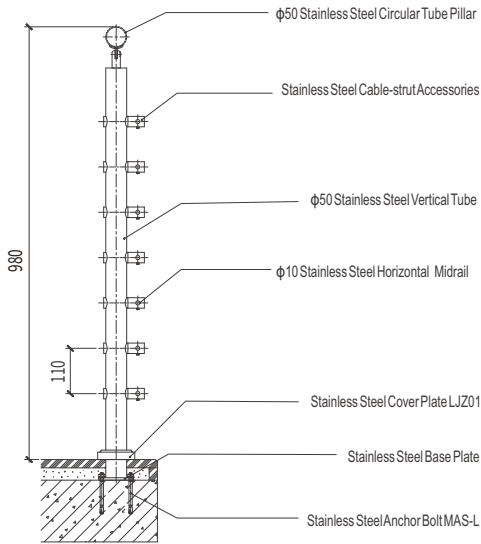
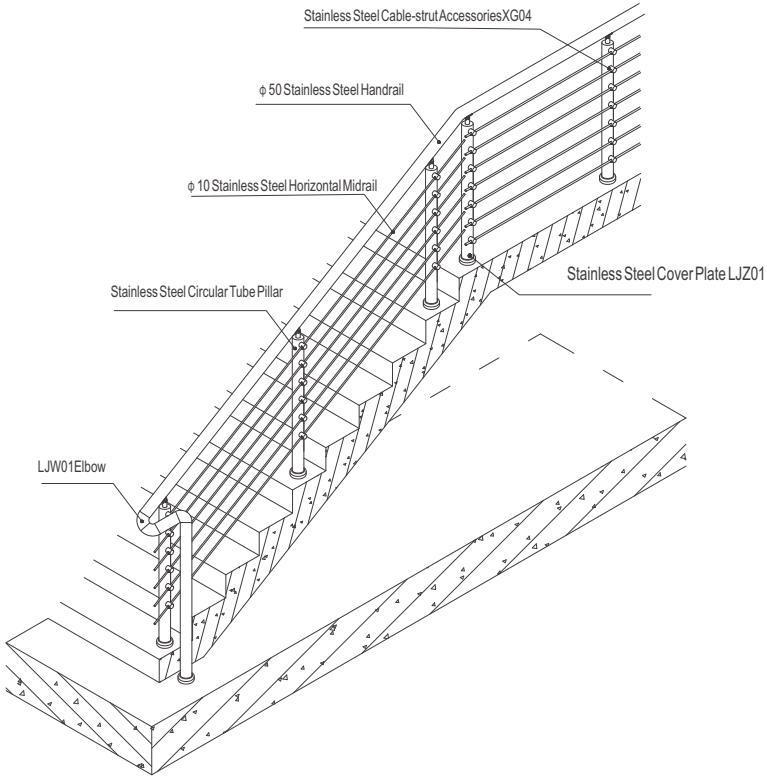
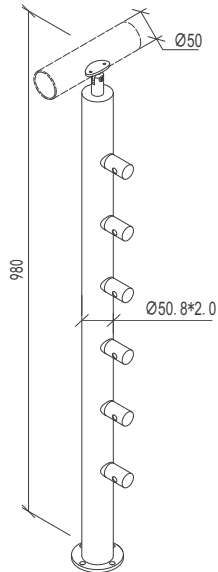
Middle Pillar:HLBY1-B04AFM
Side Pillar:HLBY1-B04AF



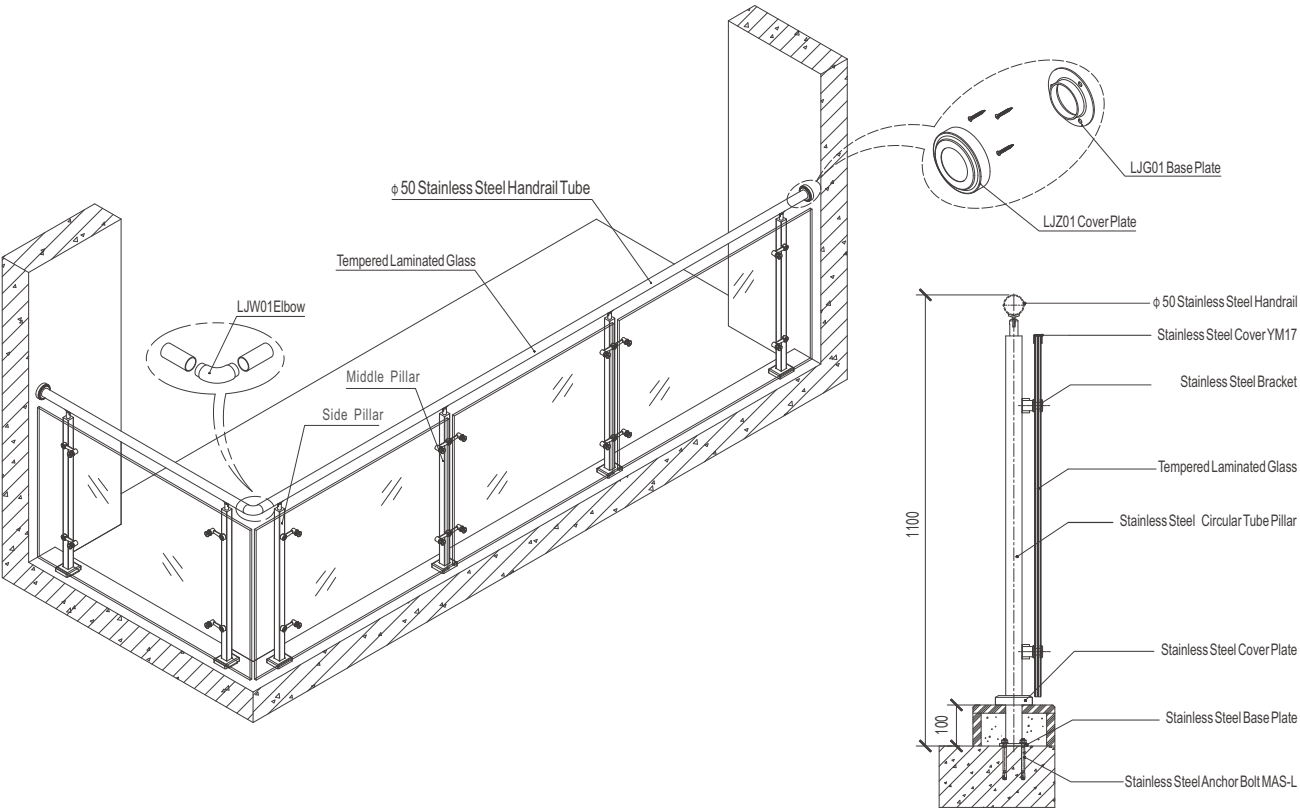
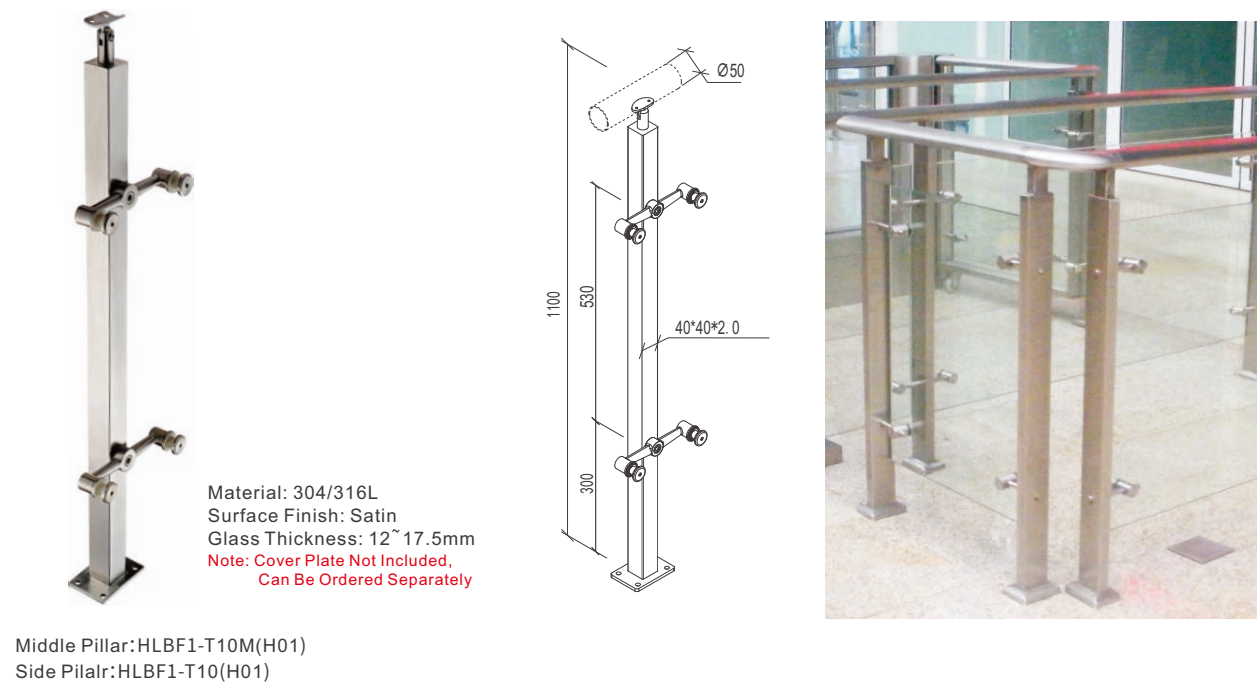
Circular Tube Pillar: HLG Y1



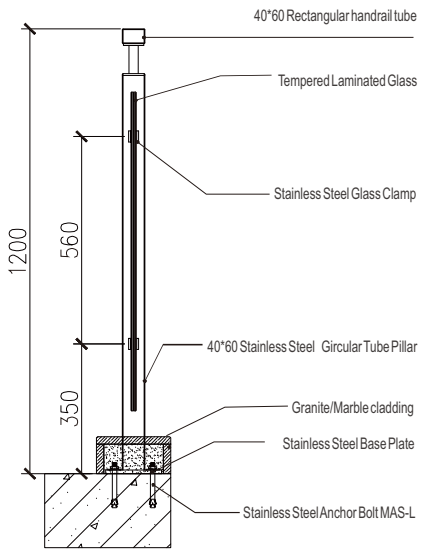
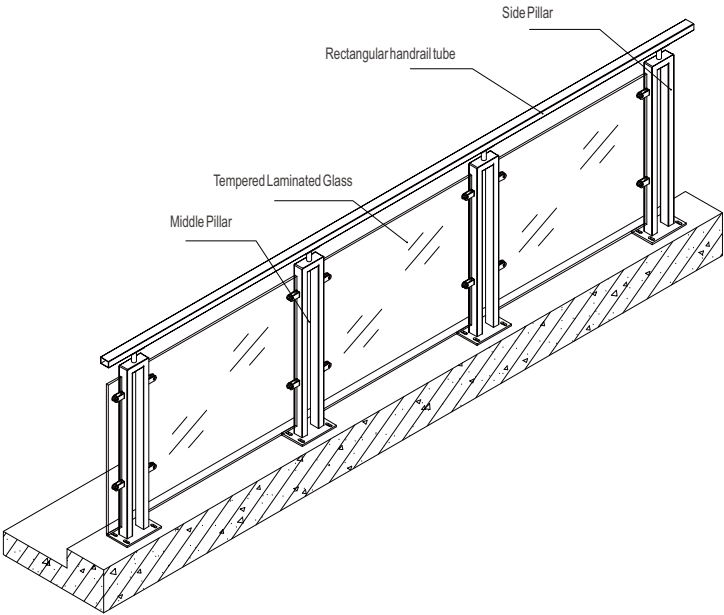
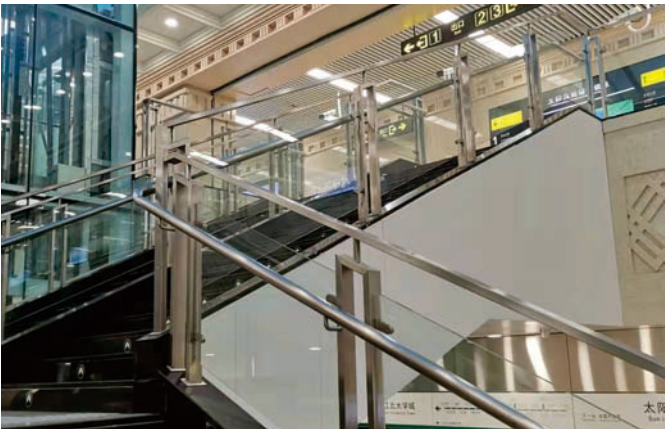
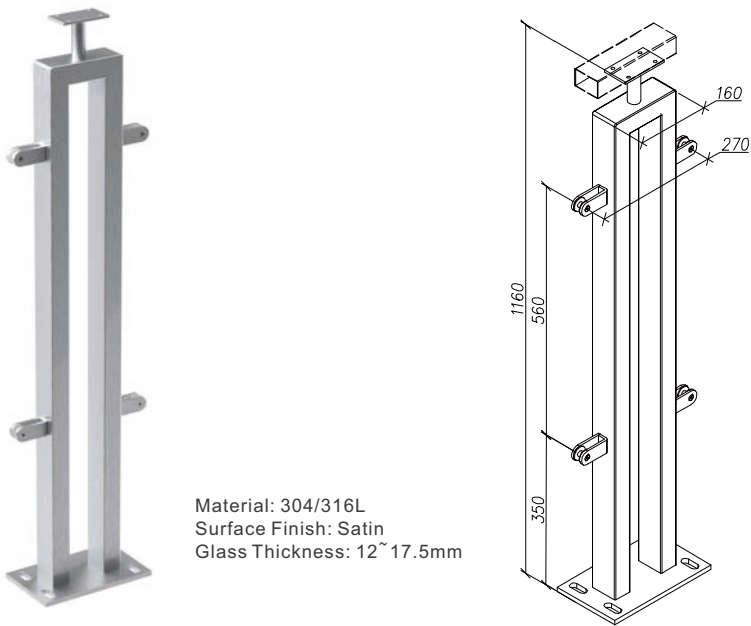
Material: 304/316L
Surface Finish: Satin
Note: Cover Plate Not Included,
Can Be Ordered Separately



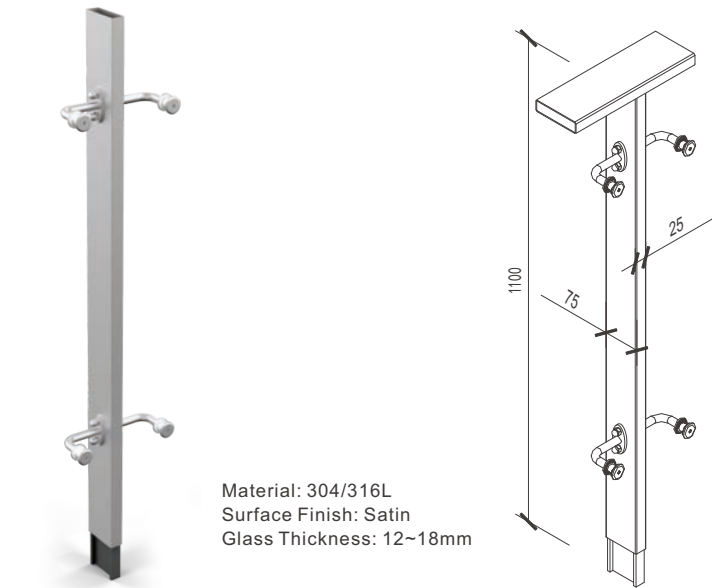
Square Tube Pillar: HLBF1



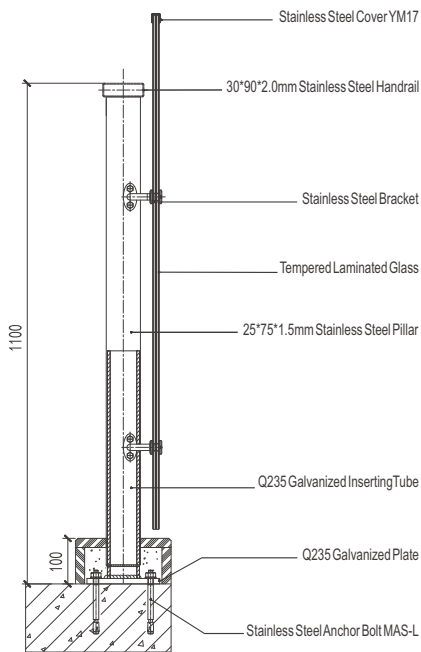
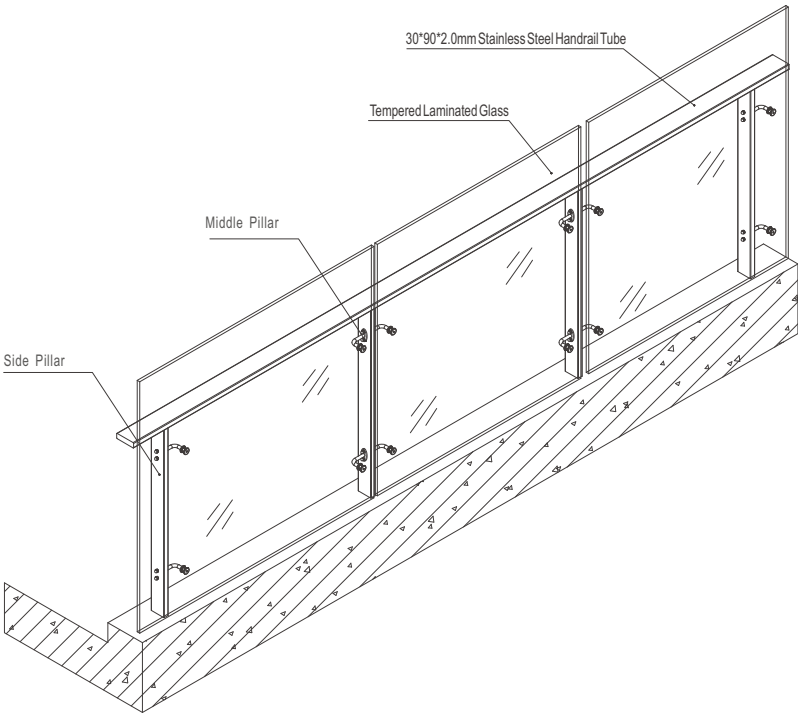
Rectangular Tube Pillar: HLBJ7



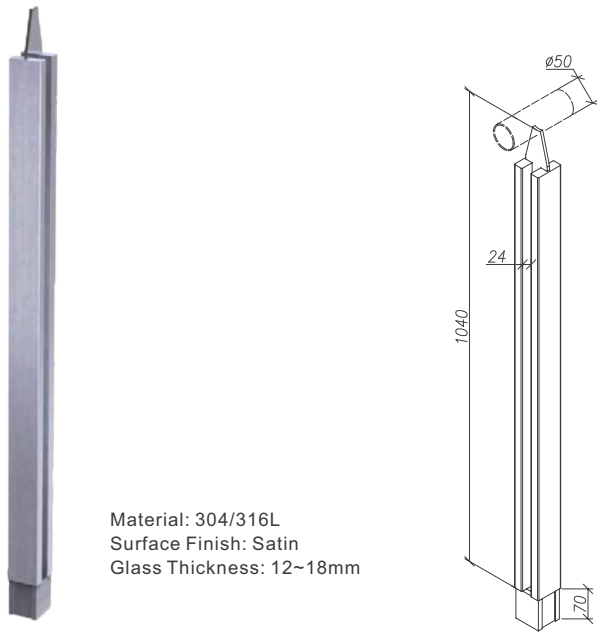
Rectangular Tube Pillar: HLBJ5



Middle Pillar:HLBJ5-LT14M
Side Pillar:HLBJ5-LT14

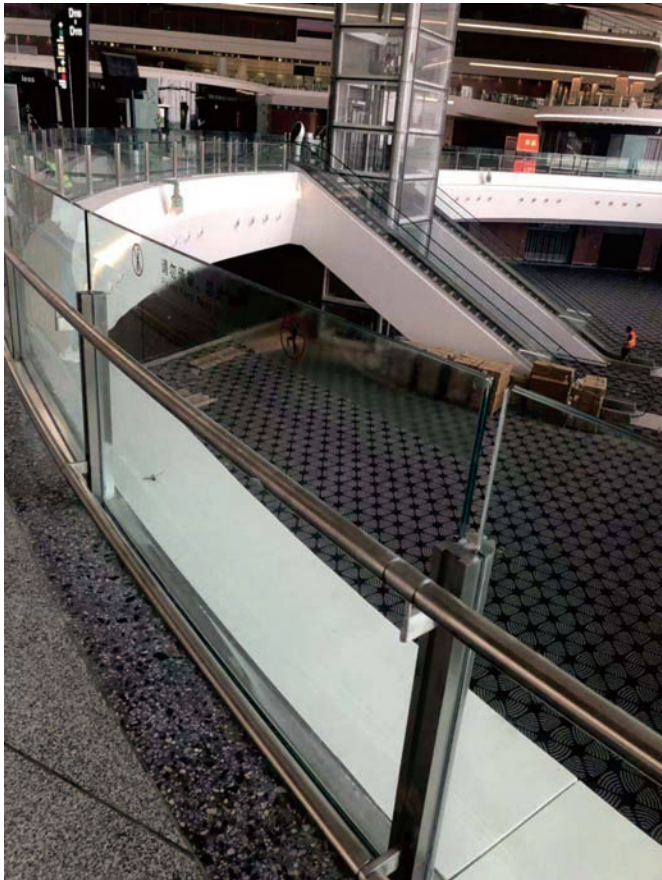
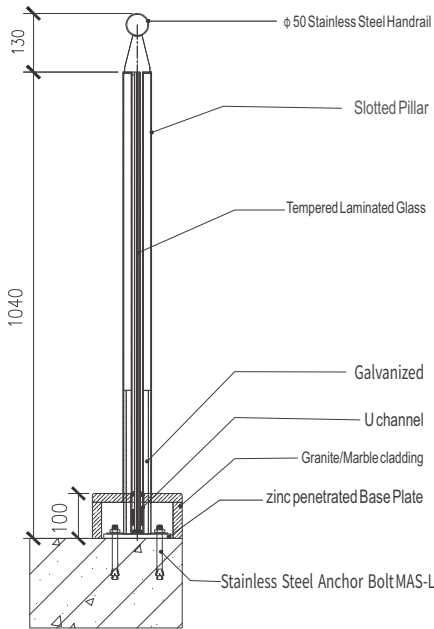
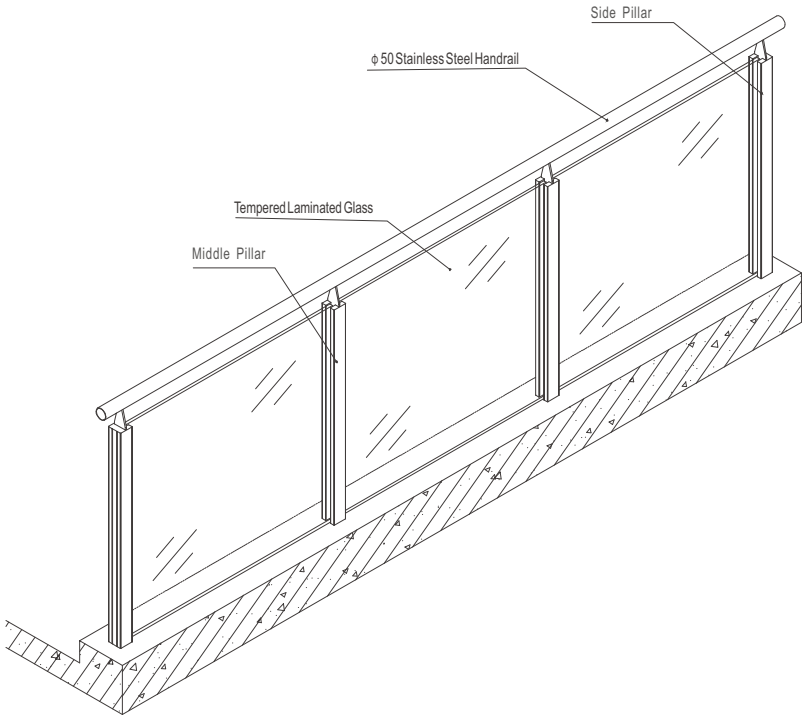


Groove Section Pillar HLBJ6

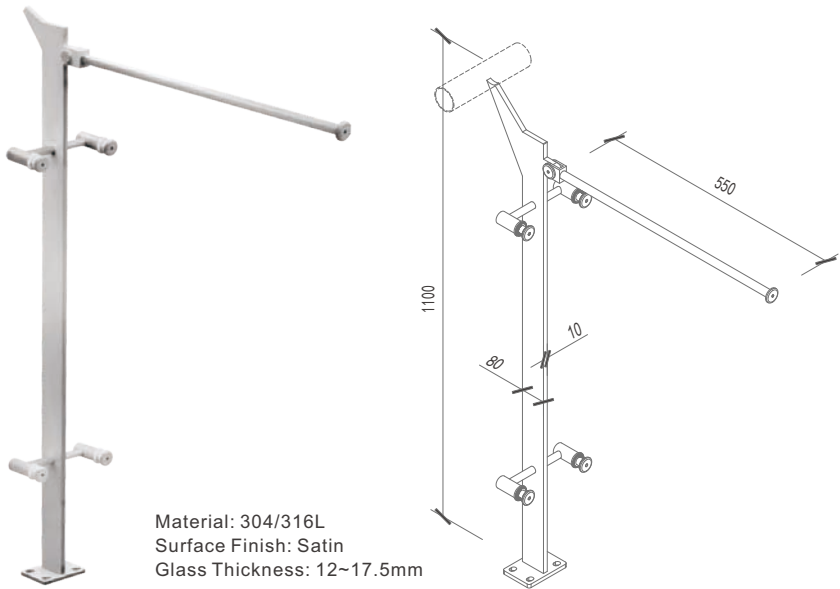


Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~18mm

Middle Pillar:HLBJ6-M
Side Pillar:HLBJ6-J



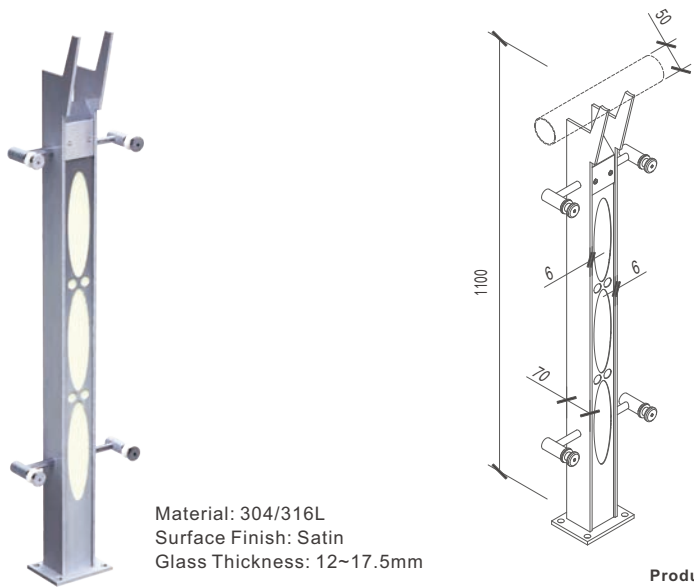
Flagpole Balustrade Pillar: HLQB1



Product Features:
 Flagpole staircase pillar is commonly used in the places like shopping mall, atrium, etc. The post railing fits together perfectly with flagpole which makes the appearance simplified and generous. It is convenient to change AD flag.



Light Lamp Pillar: HLMD2



Product Features: The lighting balustrade pillar is commonly used in the place like shopping mall ,atrium, footbridge, etc. Constructional protection and light decoration come together cleverly. This series of products have a novel structure and concise appearance.

Middle Pillar:HLMD2-LT01M
Side Pillar:HLMD2-LT01



Installation Method for Stainless Steel Post Railing Product

There have two kinds of installation surface for the Posts as follows:

A: Install on the surface which have already finished the decoration: Setting-out and drilling holes as per the dimensions shown in the shop drawing (Make sure the anchor bolts are fixed on the structure layer), ensure that the installation surface is flat and the hole position is consistent with the drilling sizes of the bottom plate of the posts.

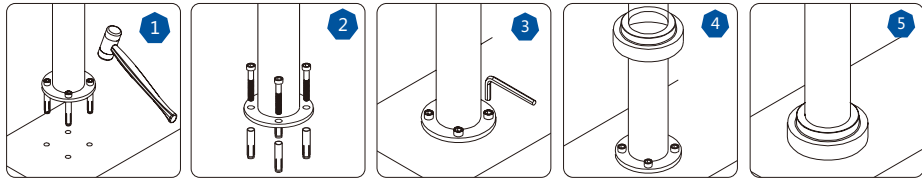
B: Install on the surface of the civil structure: Before installation, the cement slag on the civil structure shall be cleaned, the laying out shall be carried out as per the dimensions shown in the shop drawing, and the axis shall be found out. The embedded steel plates shall be predrilled before install into the civil structure and fixed with chemical anchors or expansion bolts.

Install the Pillar

A: Install on the surface which have already finished the decoration: Place the bottom plate of the post on the drilled hole and fix it with chemical anchors or anchor bolts to make the post close to the ground.

B: Install on the surface of the civil structure: Positioning the vertical post plate position, make sure the installation height of the post, according to the installation height to adjust the height of the pillar plate (cut short or pad high), and spot welding to fix, with the level to check the perpendicularity of the post plate.

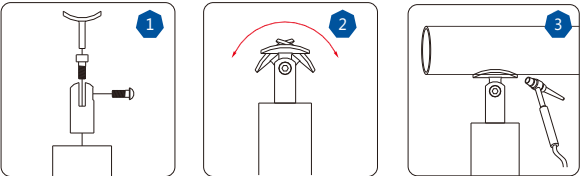
When staircase post is installed, fix the two posts on the two ends first and then install the remaining middle post according to the position of the handrail tube. Then, use the stainless steel electrode for full welding reinforcement. During welding, workers should pay attention to protect the stainless steel, prevent welding slag splash on the stainless steel resulting in stainless steel pollution, Finally, Coating the welding place with Anti-Rust Paint between Post and the embedded plate.



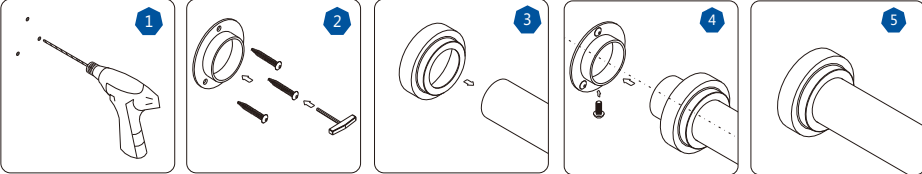
Install the Handrail

First to measure the length of the handrail required for the post railing system and carry out the blanking. Then install the decorative cover and the fixed seat into handrail, adjust the location of the handrail and fix the fixed seat to the wall by screws or anchor bolts, The handrail, posts and fixed seat shall be argon arc welded or fixed with screws. The connected part of the handrails shall be full-argon arc welded, the corner part should use elbow to undertake arc transition, and then the welded places of the handrail should be polished after all operations.

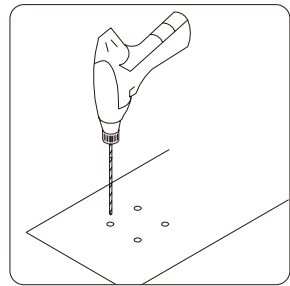
Connection of handrail and pillar



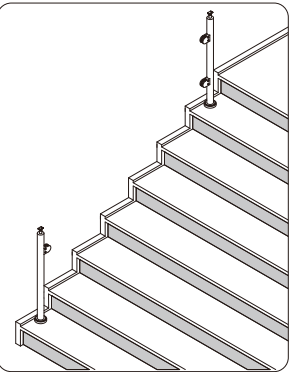
Connection of handrail and wall



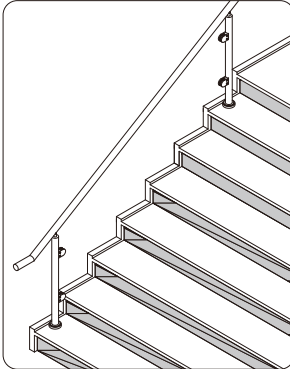
Setting-out Route and Drilling Hole



Install the Pillar



Install the Handrail



Post railing installation instructions

Install the middle pillar

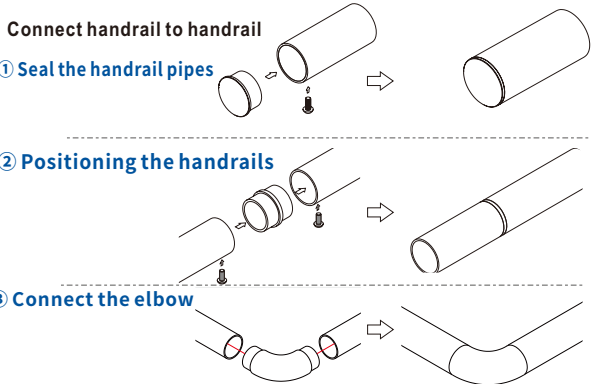
Fix the position of middle pillars according to the connection line of two end pillars, by cutting or adding height, and point weld it for fixing. Then use a level to adjust the verticality of the pillar, and Stainless steel electrode is selected for full welding reinforcement. During welding, pay attention to protect the stainless steel to avoid the welding slag from splashing on the stainless steel surface or causing pollution. Finally, apply antirust paint on the welding part between the column and the embedded plate.

Connect handrail to handrail

① Seal the handrail pipes

② Positioning the handrails

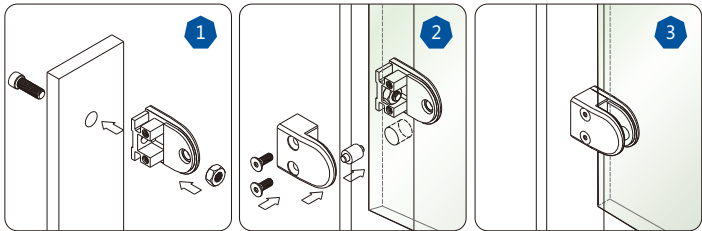
③ Connect the elbow



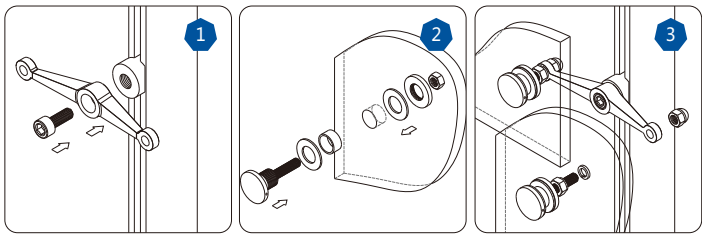
Install the Glass

According to the drawing and the actual site data, the glass is cut and installed. During Installation of glass, ensure that the mounting gaskets and supporting gaskets are not missing, all the glass and metal cannot be in direct connection to prevent a broken after strike.

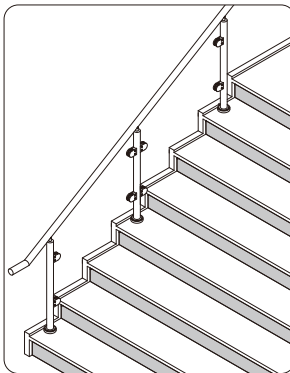
A: Fix glass with glass clamp



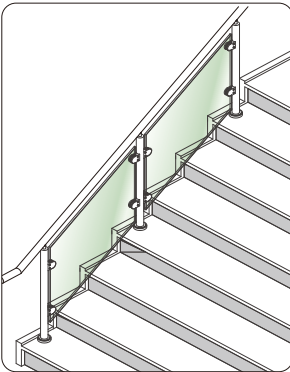
B: fix glass with spider



Step 4: install the middle pillar



Step 5: install the glass

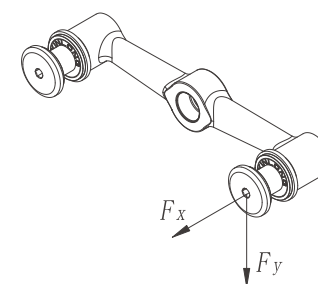


Inspection and Cleaning Protection

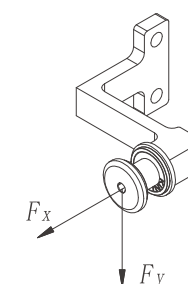
1. Check whether the railing, handrail is loose, if yes, it needs to be strengthened;
2. Check whether there is a leakage of welding, grinding, if yes, it needs to repair welding and re-polishing;
3. Check whether there is a missing installation for the gasket, if yes, it needs to rework;
4. Check whether the glass is broken, if yes, replace it in time if necessary;
5. Cleaning after installation: Wipe the glass, handrail, posts and other surface with wet towel to remove dust and sundries, and then wipe it with dry towel to ensure that the surface of the product is smooth, clean and free of beads and sundries. Finally, wrap the railings, to protect them from damage caused by other process construction teams.



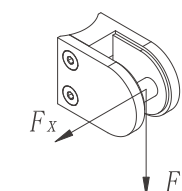
Calculation of axial and radial load for model selection



$n_x=2$
 $n_y=2$



$n_x=1$
 $n_y=1$



$n_x=1$
 $n_y=1$

1. The weight of the glass panel

$$G_k = B \cdot H \cdot T \cdot \rho \cdot g$$

G_k - The weight of glass panel (N) ;
 B - The width of the glass (mm) ;
 H - The height of the glass (mm) ;
 T - The valid thickness of the glass (mm) ;
 ρ The density of glass ($2.56 \cdot 10^{-6}$ kg/mm³) ;
 g - Acceleration of gravity (10 N/Kg) ;

2. Axial Force

$$F_x = q \cdot B \cdot H / n_x$$

F_x - The axial force for a single point (N) ;
 q - Surface uniform load design value, mainly refers to the wind load (N/m²) ;
 B - The width of the glass (mm) ;
 H - The height of the glass (mm) ;
 n_x - The quantity of bearing capacity points on x direction, see the above picture for details.

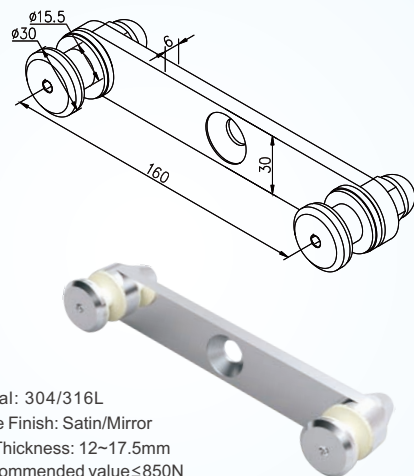
3. Radial Force

$$F_y = 1.2 G_k / n_y$$

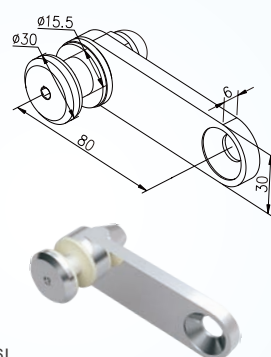
F_y - The radial force for a single point (N) ;
 G_k - The weight of glass panel (N) ;
 n_y - The quantity of bearing capacity points on y direction, see the above picture for details

4. The following recommended values of axial bearing capacity F_x and radial bearing capacity F_y of Spiders and glass clamps are the loads when 2mm deformation occurred under the action of detection force. The corresponding materials are 304, 316, CF8 and CF8M.

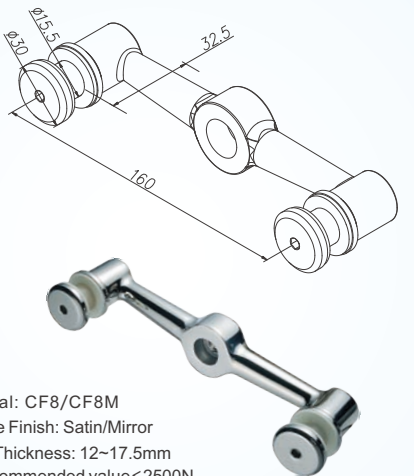
Front Fixing Balustrade Bracket



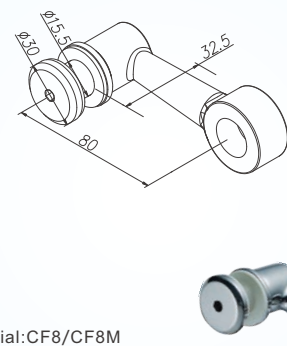
T01M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤850N
Fy Recommended value≤850N



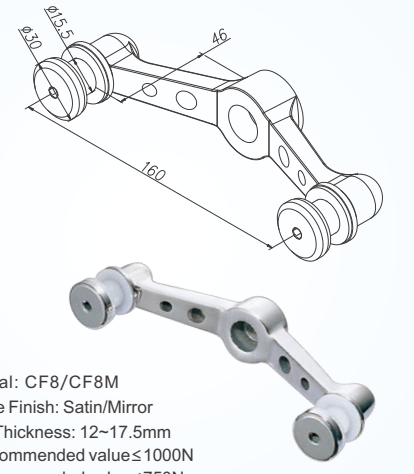
T01 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤850N
Fy Recommended value≤850N



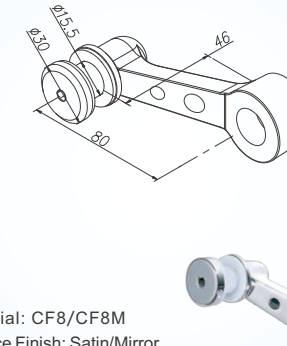
T05M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤1100N



T05 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤1100N

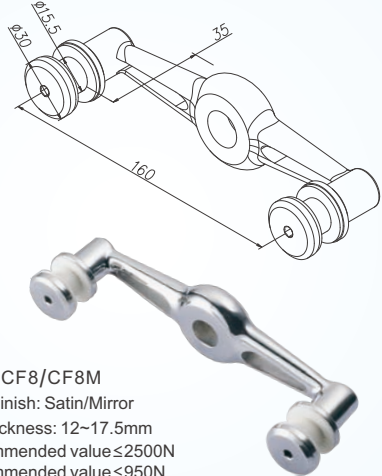


T06M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤750N



T06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤750N

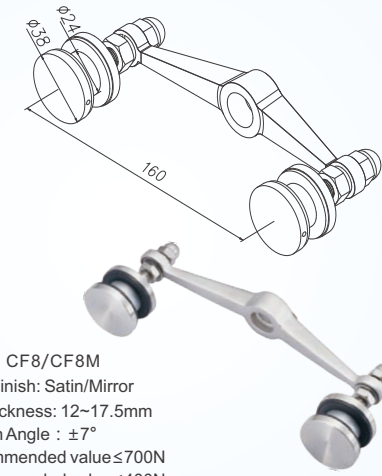
Front Fixing Balustrade Bracket



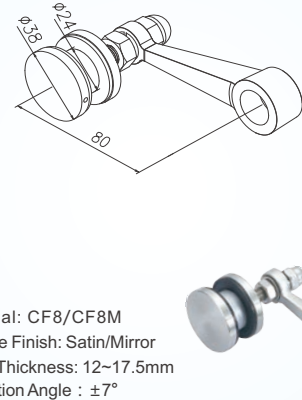
T07M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤950N



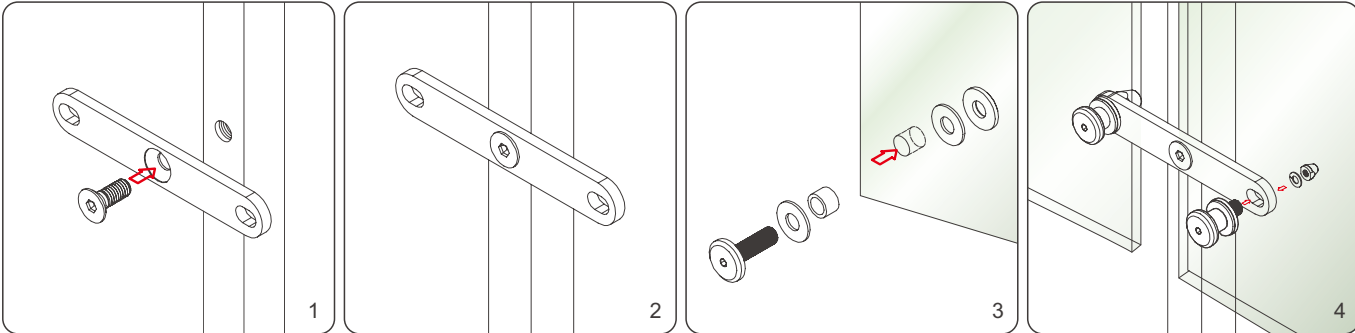
T07 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤950N



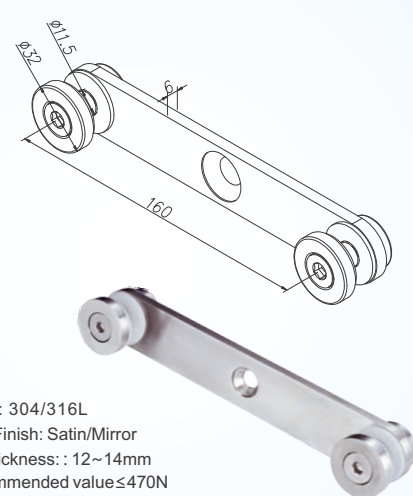
T08M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle : ±7°
Fx Recommended value≤700N
Fy Recommended value≤400N



T08 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle : ±7°
Fx Recommended value≤700N
Fy Recommended value≤400N



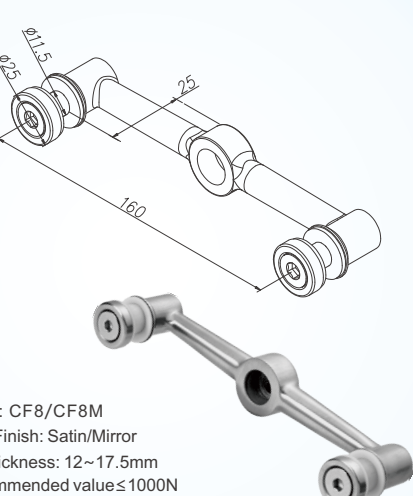
Front Fixing Balustrade Bracket



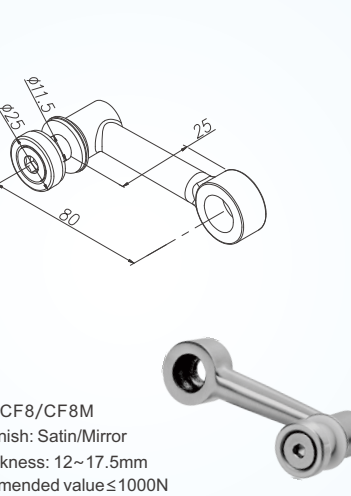
T09M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~14mm
Fx Recommended value≤470N
Fy Recommended value≤600N



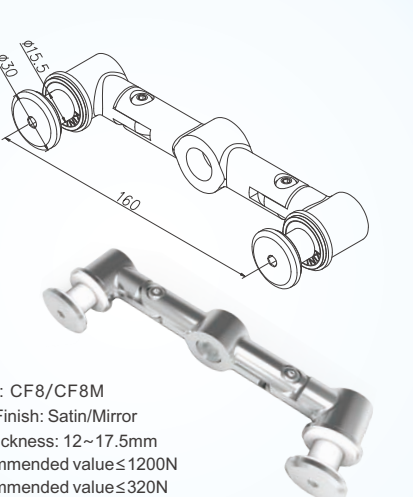
T09 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~14mm
Fx Recommended value≤470N
Fy Recommended value≤600N



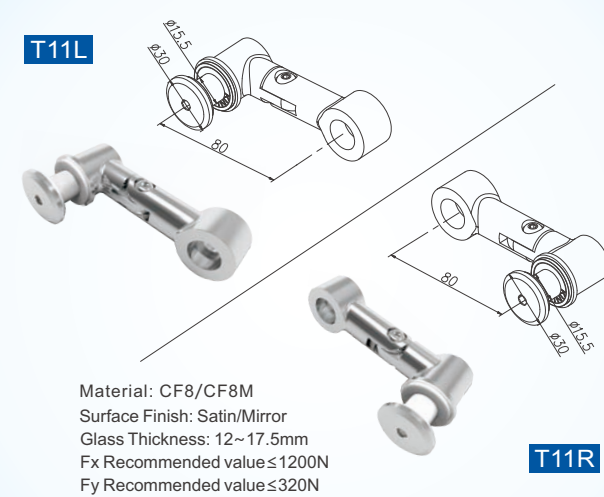
T10M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤800N



T10 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤800N



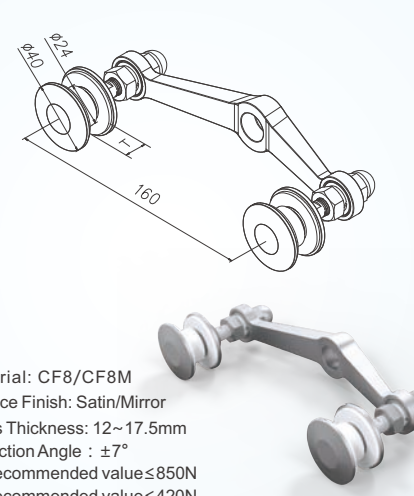
T11M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1200N
Fy Recommended value≤320N



T11L Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1200N
Fy Recommended value≤320N

T11R

Front Fixing Balustrade Bracket



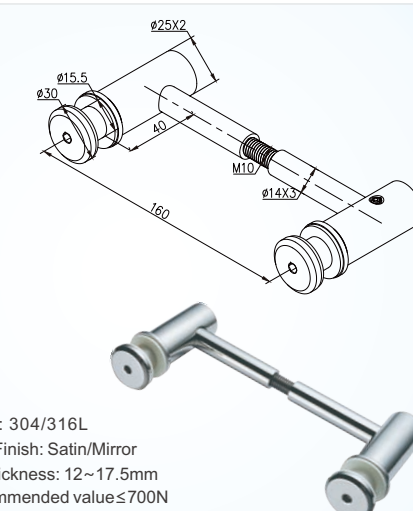
HJTD01M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle : ±7°
Fx Recommended value≤850N
Fy Recommended value≤420N



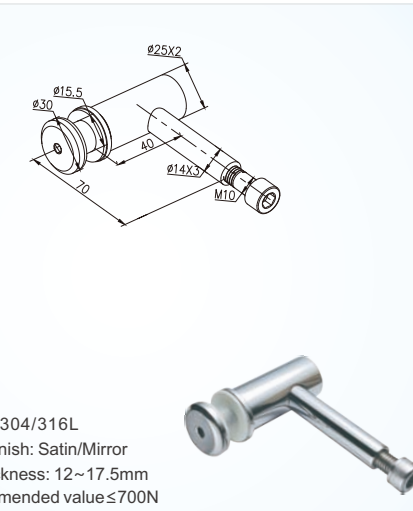
HJTD01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle : ±7°
Fx Recommended value≤850N
Fy Recommended value≤420N



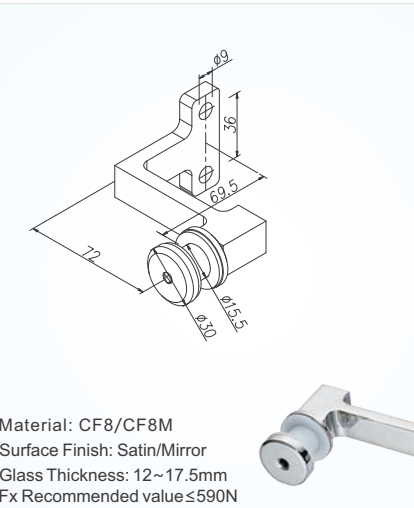
Side Fixing Balustrade Bracket



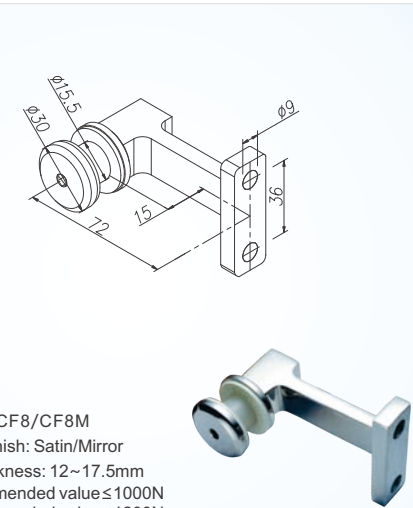
LT01M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤700N
Fy Recommended value≤350N



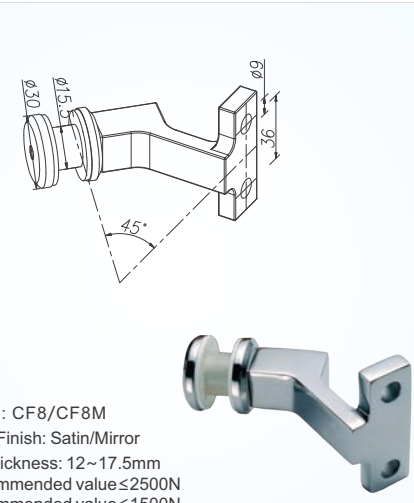
LT01 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤700N
Fy Recommended value≤350N



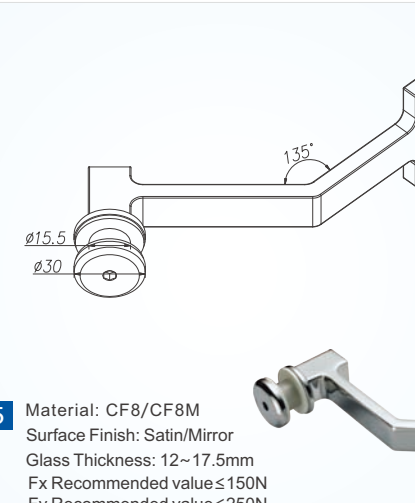
LT02 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤590N
Fy Recommended value≤360N



LT03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤1200N

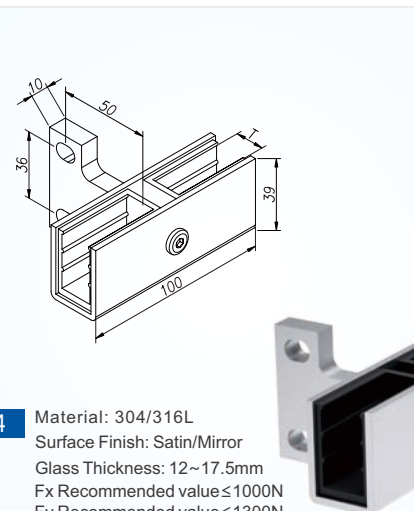


LT04 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤1500N



LT05 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤150N
Fy Recommended value≤250N

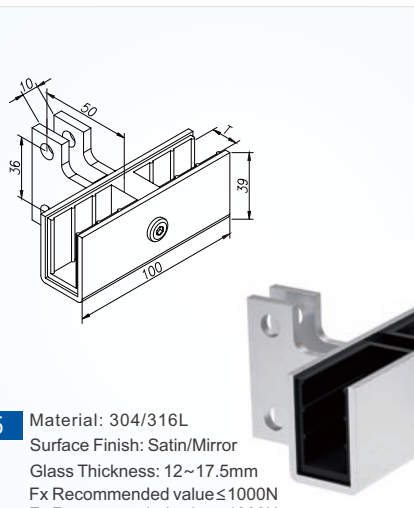
Side Fixing Balustrade Bracket



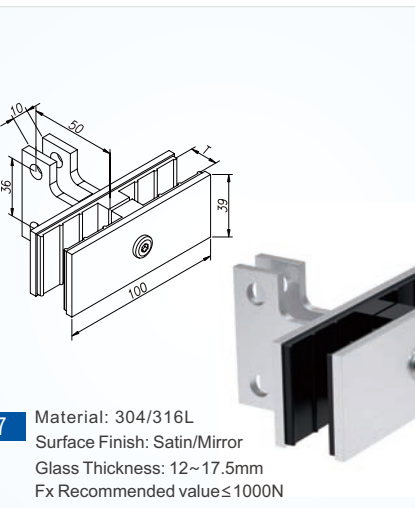
HJTL04 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤1300N



HJTL06 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N



HJTL05 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤1300N



HJTL07 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N



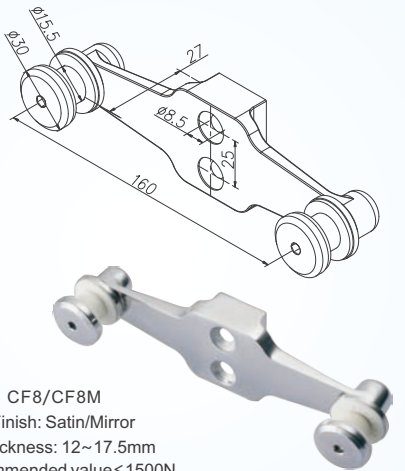
Side Fixing Balustrade Bracket



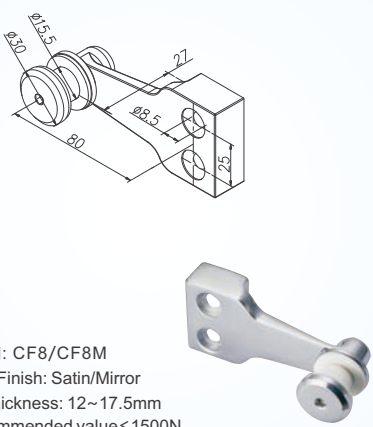
LT08 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤650N
Fy Recommended value≤1200N



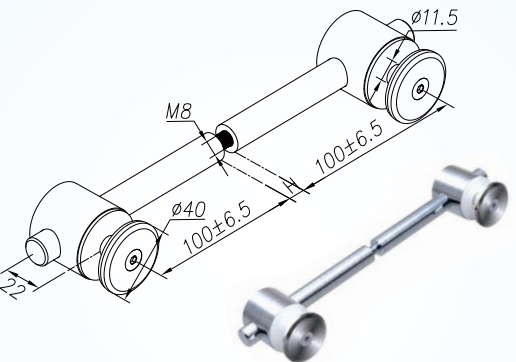
LT09 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤800N
Fy Recommended value≤1200N



LT06M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1500N
Fy Recommended value≤380N



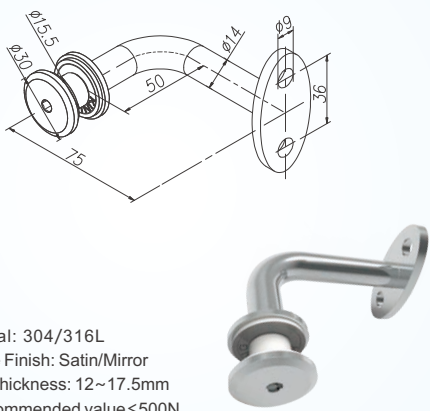
LT06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1500N
Fy Recommended value≤380N



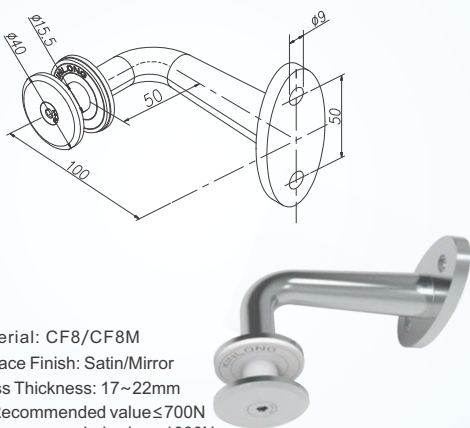
HJTL02M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤560N
Fy Recommended value≤350N



HJTL02 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤560N
Fy Recommended value≤350N



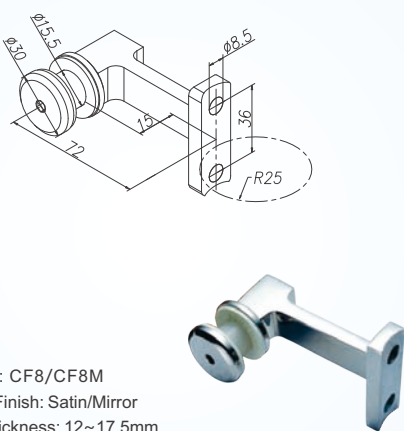
LT14 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤500N
Fy Recommended value≤550N



LT15 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 17~22mm
Fx Recommended value≤700N
Fy Recommended value≤1000N



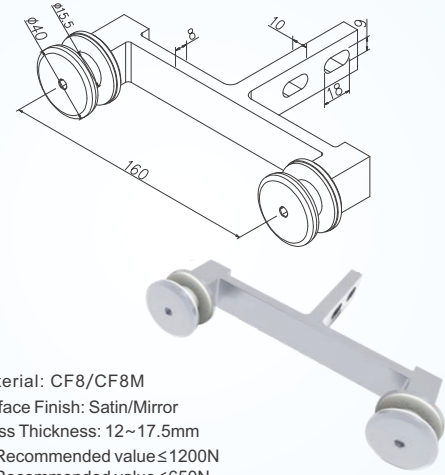
HJTL03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤450N
Fy Recommended value≤500N



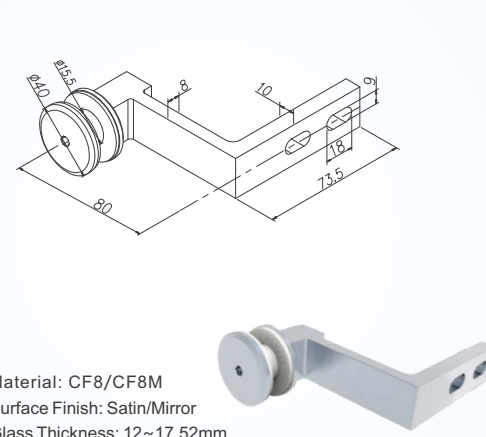
LT17 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤900N
Fy Recommended value≤1200N



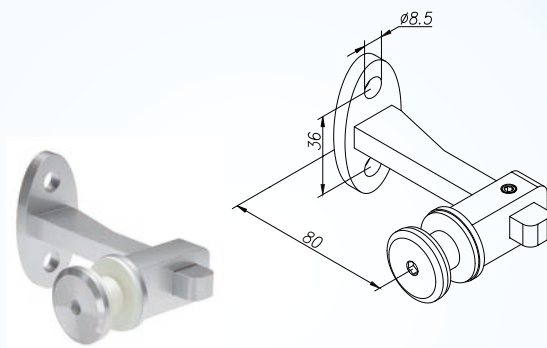
Glass Clamp



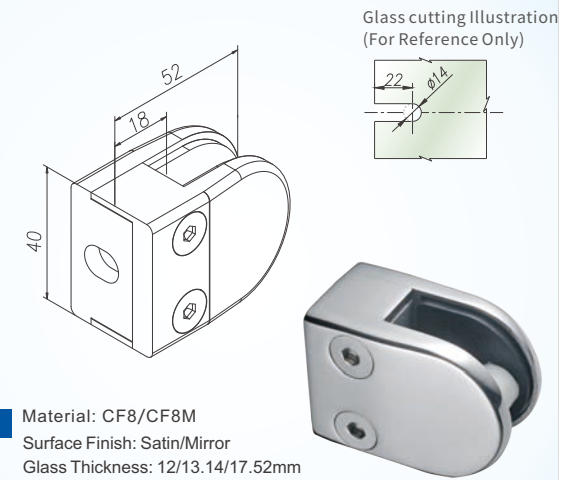
LT19M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value $\leq 1200\text{N}$
Fy Recommended value $\leq 650\text{N}$



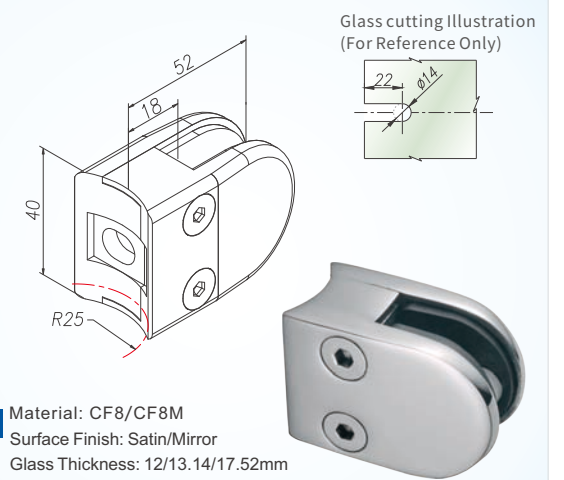
LT19 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.52mm
Fx Recommended value $\leq 1200N$
Fy Recommended value $\leq 650N$



HJTL09 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value $\leq 1000N$
Fy Recommended value $\leq 750N$



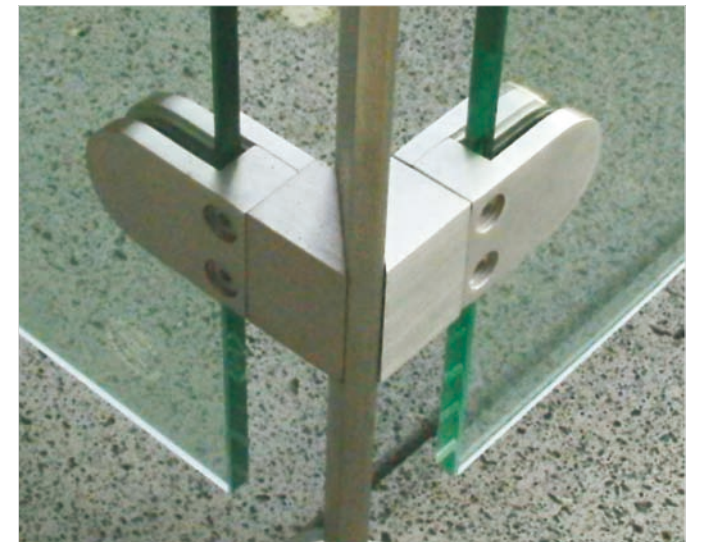
B03AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value $\leq 2500\text{N}$
Fy Recommended value $\leq 1900\text{N}$



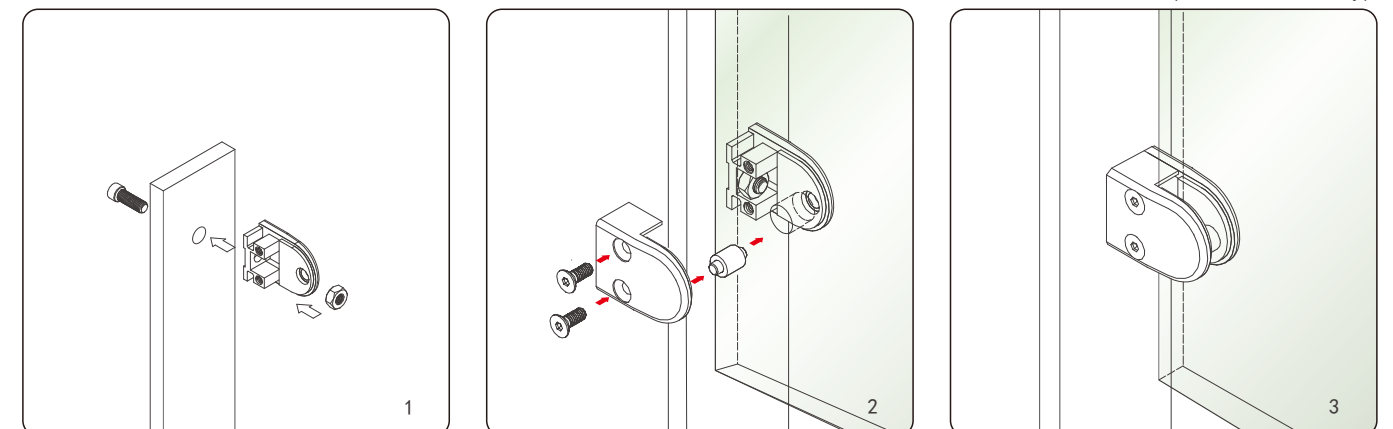
B03AF Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value $\leq 2500\text{N}$
Fy Recommended value $\leq 1900\text{N}$



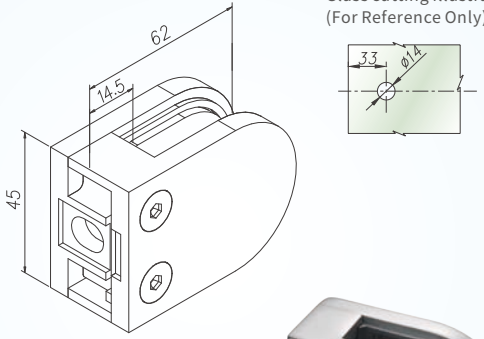
HJBJ01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value $\leq 1900\text{N}$
Fy Recommended value $\leq 1500\text{N}$



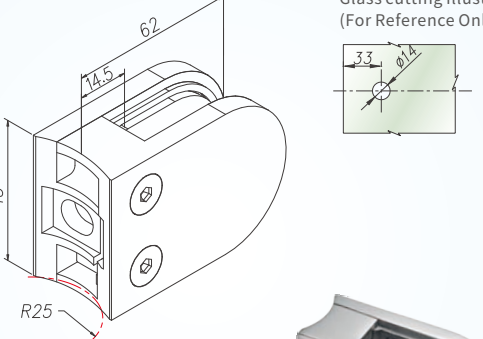
Installation Instruction
(For reference only)



Glass Clamp



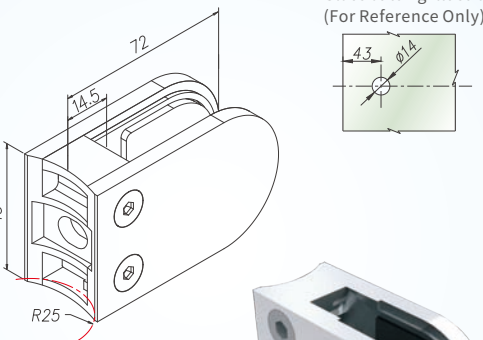
B04AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤2900N



B04AF Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤2900N



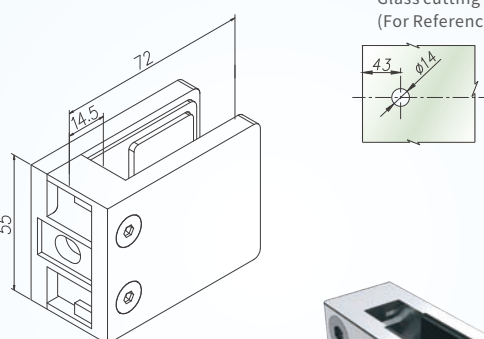
B08AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤1800N



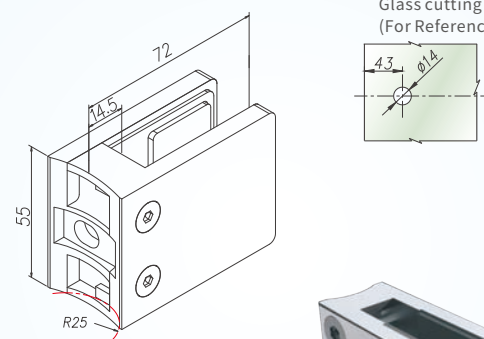
B08AF Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤1800N



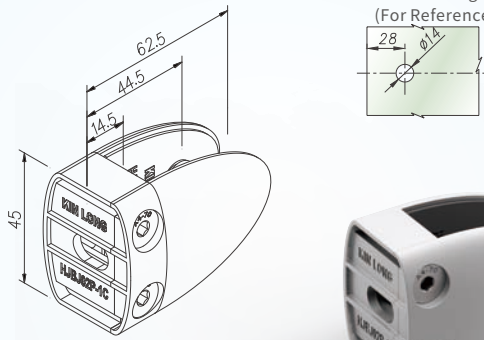
Glass Clamp



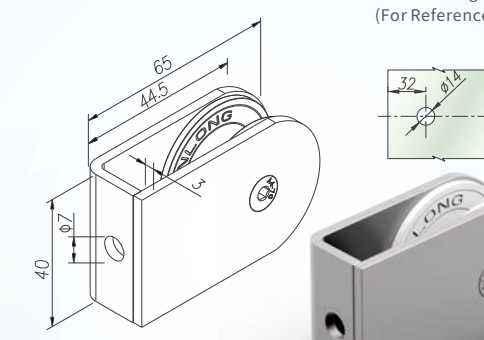
B09AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤4000N
Fy Recommended value≤4400N



B09AF Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤4000N
Fy Recommended value≤4400N



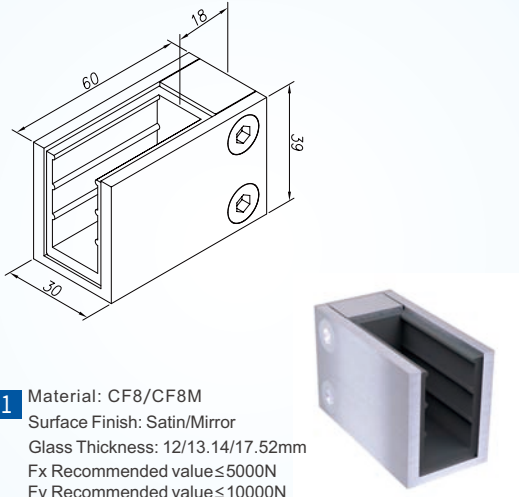
HJB02P Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1900N
Fy Recommended value≤1200N




HJB03P Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1200N
Fy Recommended value≤1000N



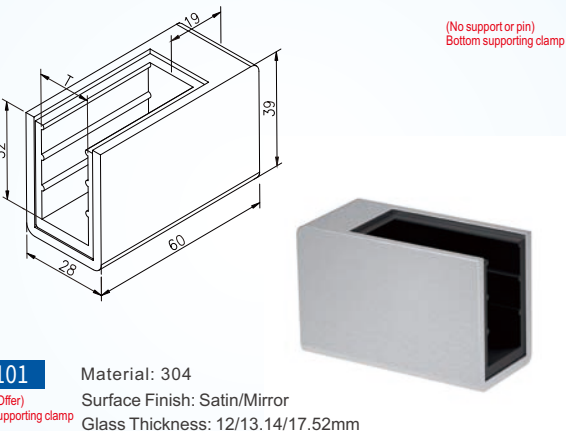
Glass Clamp



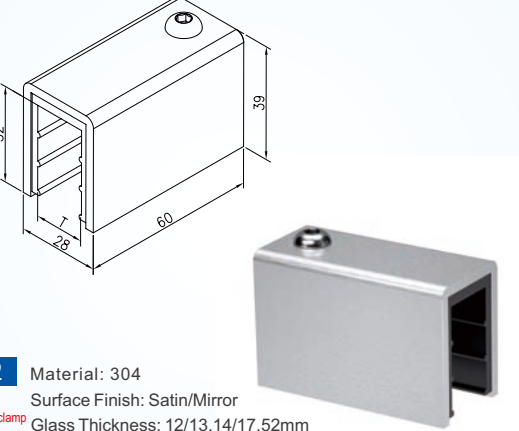
HJBC01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤5000N
Fy Recommended value≤10000N



CB03AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤600N
(No support or pin)



INP101 Material: 304
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤3000N
Fy Recommended value≤4000N
(Special Offer)
Bottom supporting clamp



INP102 Material: 304
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤900N
(Special Offer)
Upper holding clamp



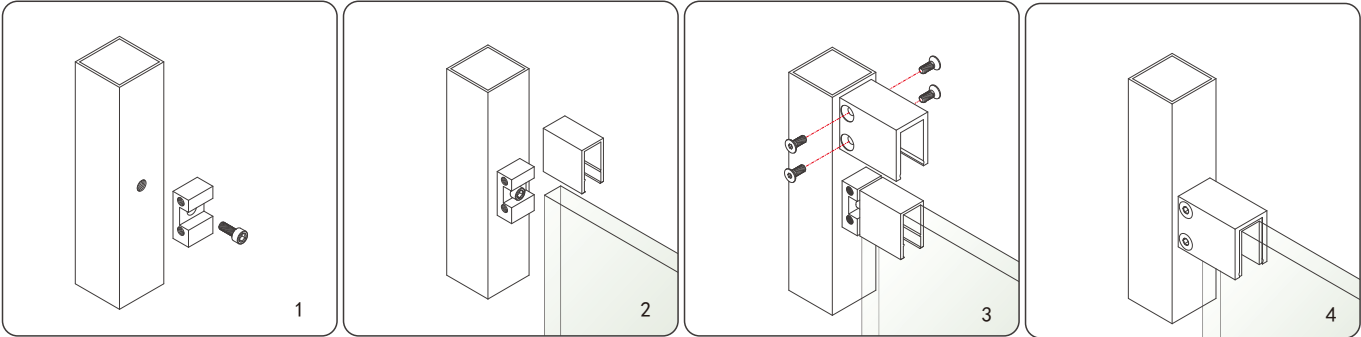
HJBC04P Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1000N
Fy Recommended value≤2800N

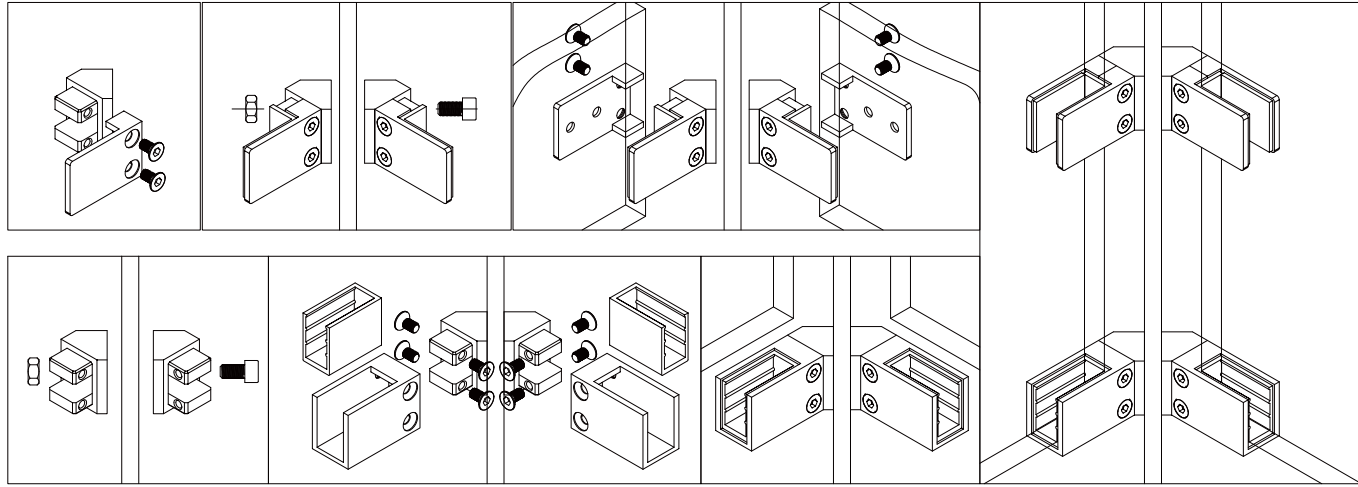


HJB05P Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1000N
(No support or pin)



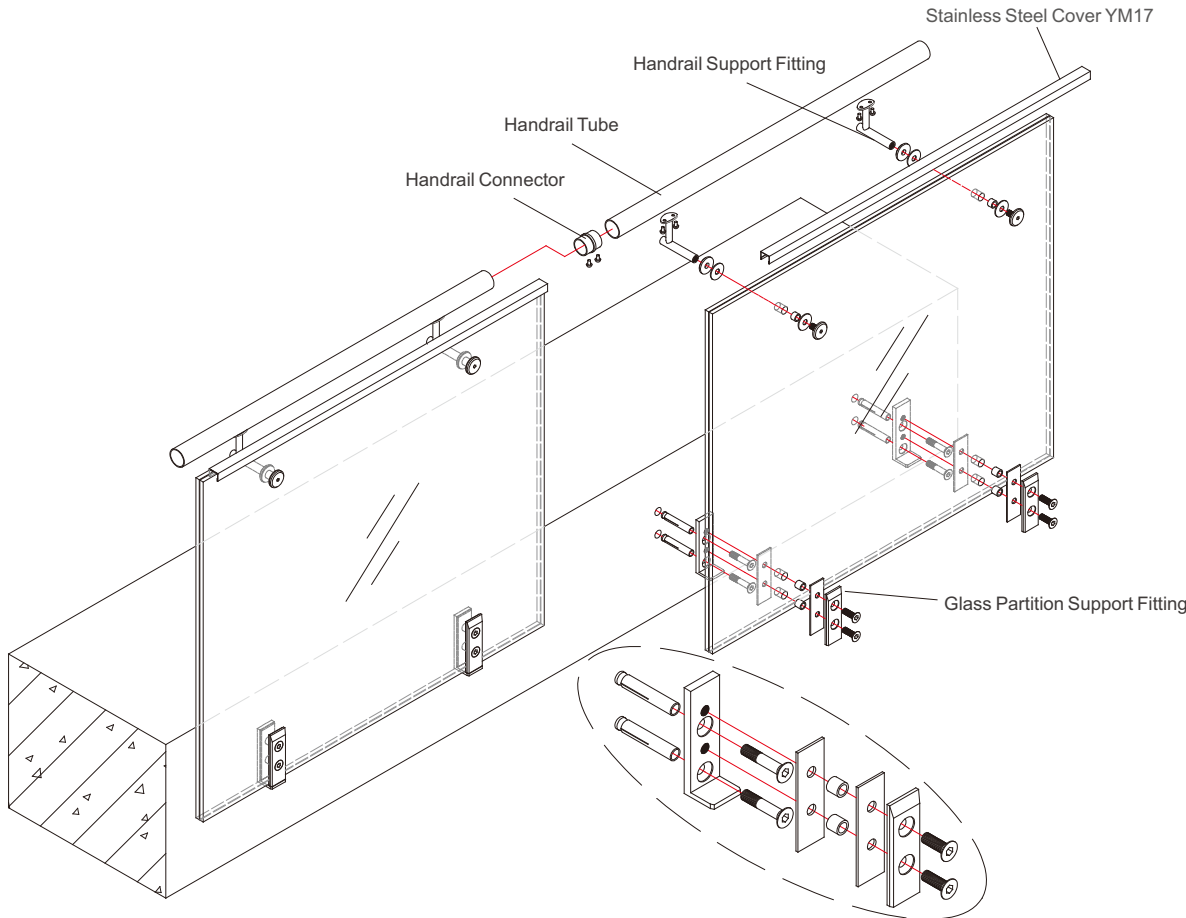
Supporting Type Clamp
Installation Instruction



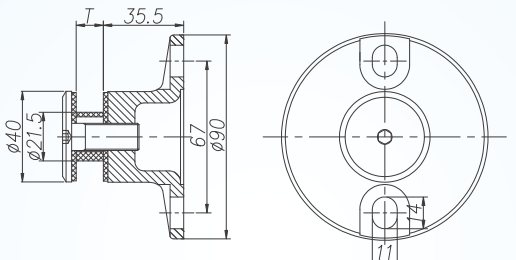





Glass Support Fitting Series

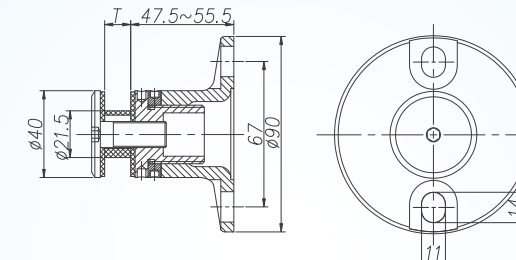


Glass Partition Support Fitting




YM01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm





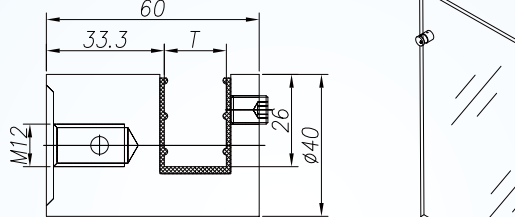
YM02 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



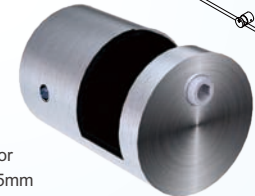


YM03B Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm





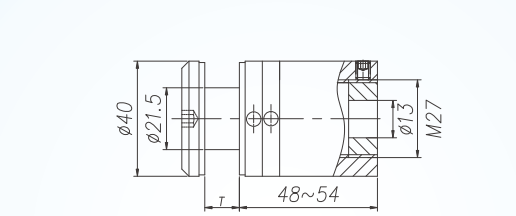
HCD10 Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm






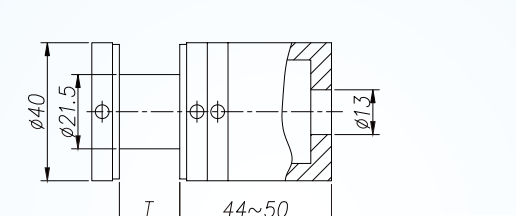
YM03 Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm






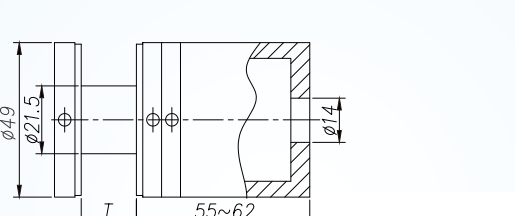
YM03A Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm






HCD12 Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm

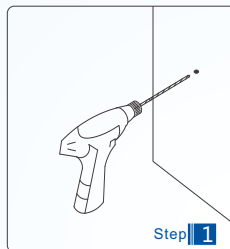




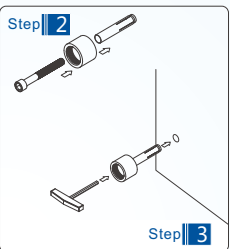
HCD13 Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



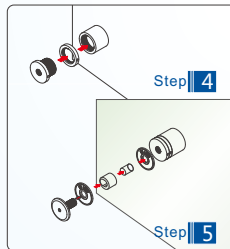




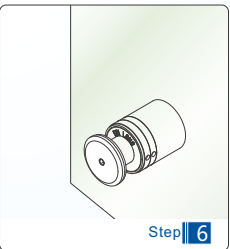
Step 1




Step 2




Step 3



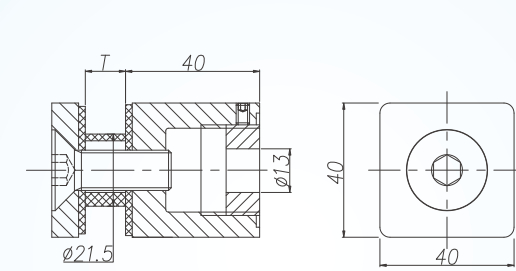
Step 4



Step 5



Step 6




HCD05 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm

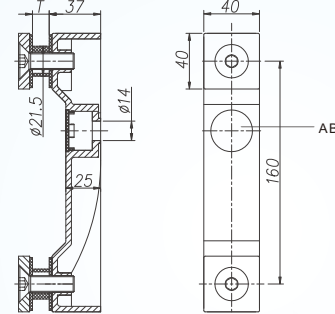


Glass Partition Support Fitting




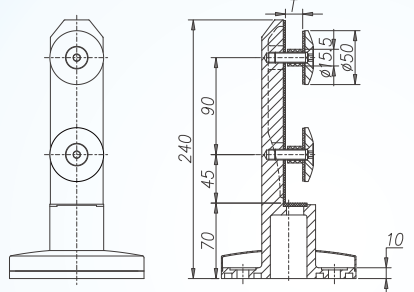
HCD03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm






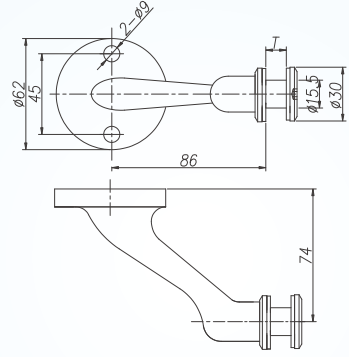
HCD04 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm






HCD06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm





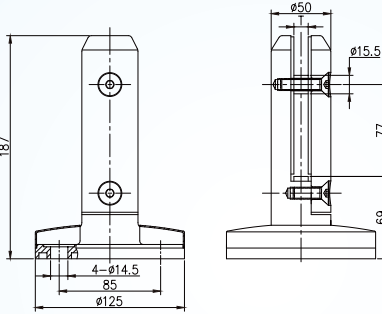
YM06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm






YM10 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



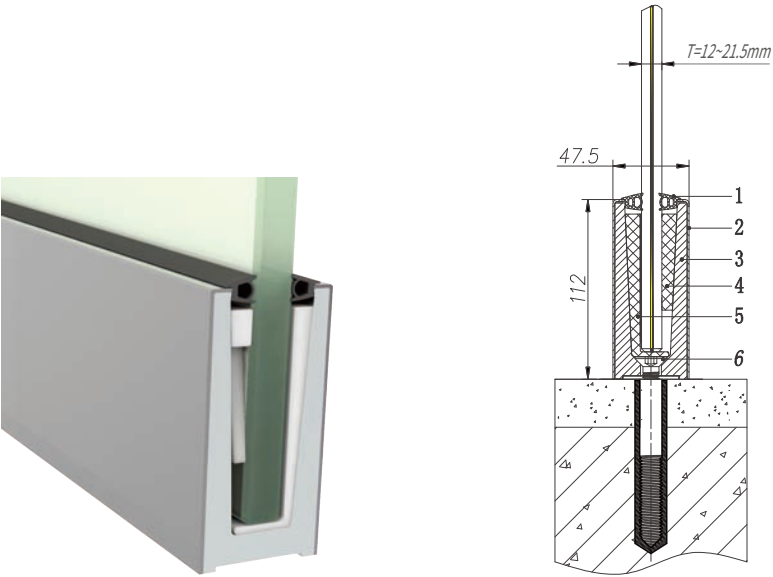


HCD09 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm

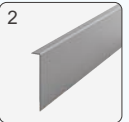


Aluminum Alloy U Channel

YM21A



Gasket
(HJT01-1/2/3)
Material: EPDM



Cover Plate
(YM21A1-3A)
Material: 304/316L
Surface Finish: Satin/Mirror
Length: L≤3000mm



U Channel
(YM21A1-1)
Material: 6063-T6
Glass Thickness: 12-21.5mm
Length: L≤700mm



Shim
(YM21-2)
Material: ABS
Quantity: 4 pcs/m



Shim
(YM21-1)
Material: ABS
Quantity: 4 pcs/m

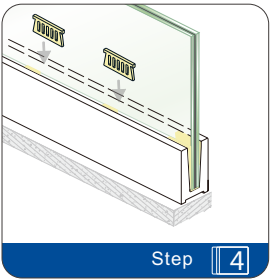
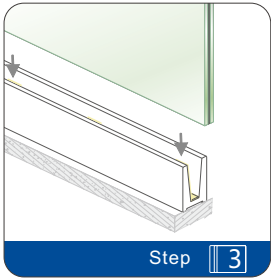
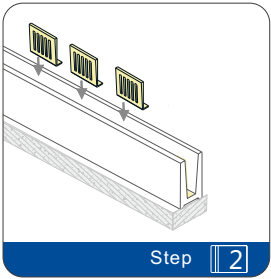
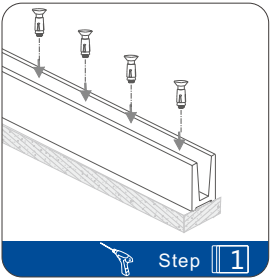


Countersunk Screw Nut Rod
(CAM-D-10C)
Material: 304+Q345B
Quantity: 4 pcs/m
Note: Anchor Adhesive Not Included, Please Contact Anchor Digil for Anchor Adhesive (CAM-500)



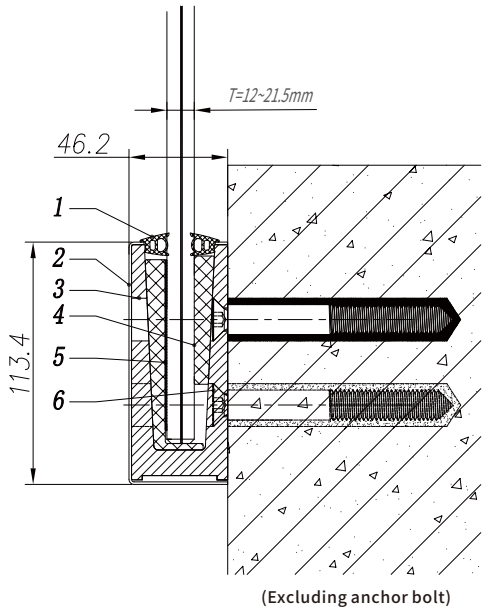
End Cap
(YM21A1-4)
Material: 304/316L
Surface Finish: Satin/Mirror

Installation Instruction



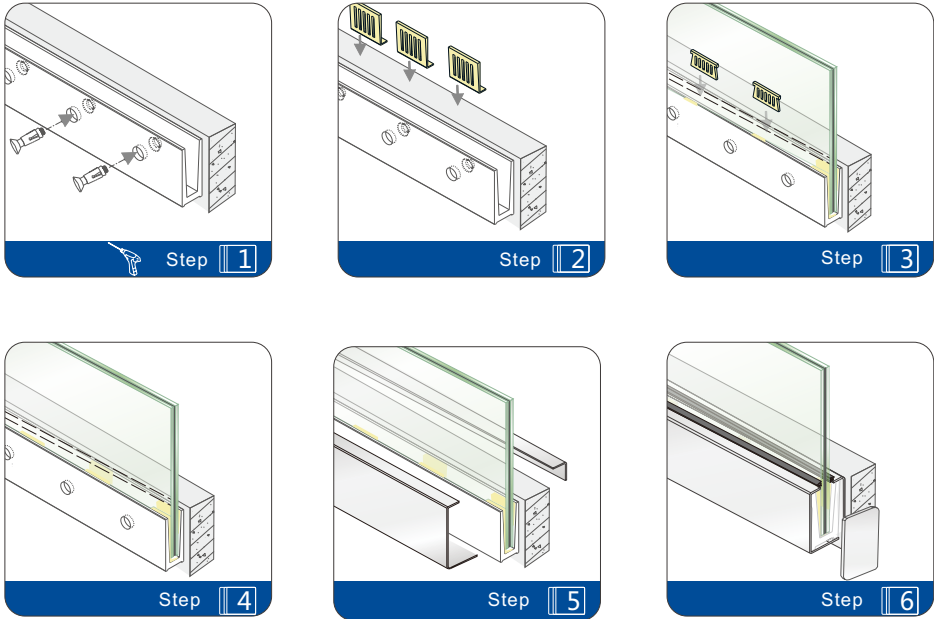
Aluminum Alloy U Channel

YM21B



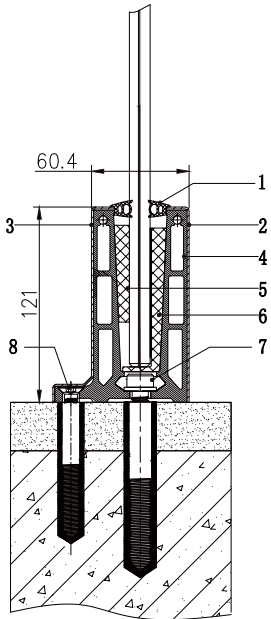
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Installation Instruction



Aluminum Alloy U Channel

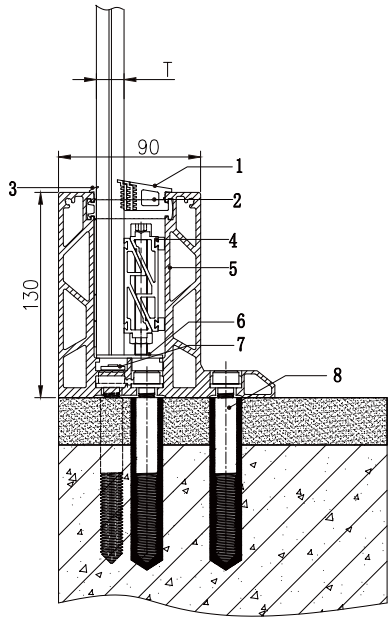
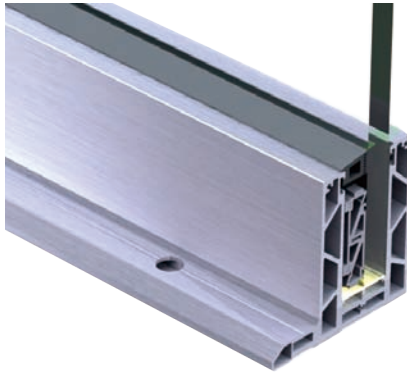
HCU01



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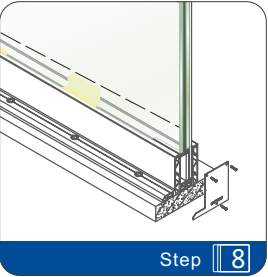
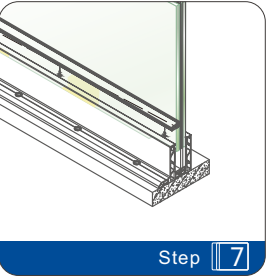
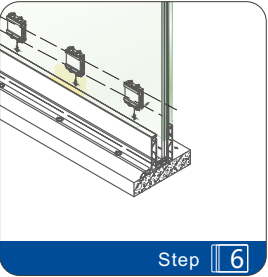
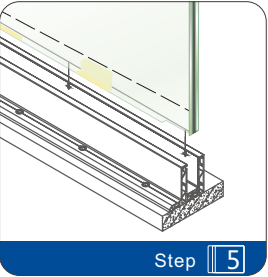
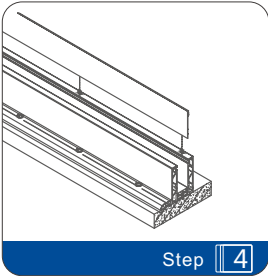
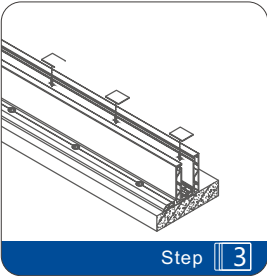
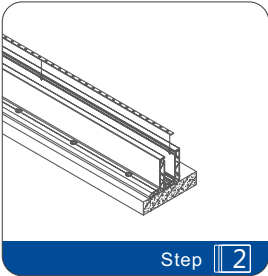
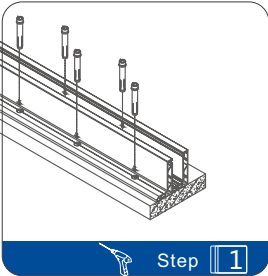
Aluminum Alloy U Channel

HCU03



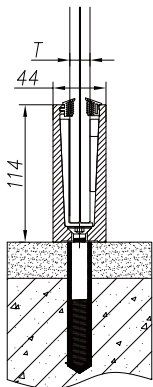
Gasket (HCU03-05) Material: EPDM	Notch connection plate (HCU03-06) Material: 304 Quantity: 5 pieces / M	Gasket (HCU03-04) Material: EPDM	Aluminum gasket (HCU03-02) Material: 6063-T6 Quantity: 5 pieces / M	U-channel assembly (HCU03-01) Material: 6063-T6 length: L ≤ 5700mm	Transparent gasket (HCU03-03) Material: PC Quantity: 5 pieces / M	LED strip (Not Included)	Cylinder head screw nut rod (CAM-D-10C) Material: 304+Q345B Quantity: 4 pcs/m <small>Note: Anchor Adhesive Not Included, Please Contact Anchor Dealer for Anchor Adhesive (CAM-500)</small>	End Cap (HCU03-07) Material: stainless steel

Installation Instruction



Aluminum Alloy U Channel

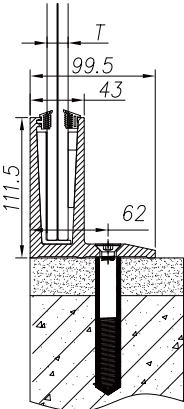
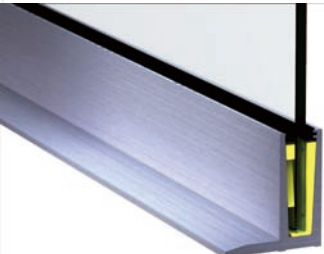
INS501



Main material: 6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thickness T: 12~17.5 mm
length: L ≤ 5700mm

(Proposed to use countersunk screw nut rod)

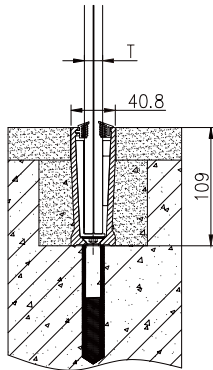
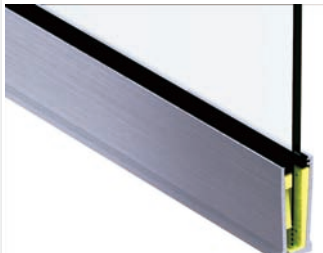
INS502



Main material: 6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thickness T: 12~17.5 mm
length: L ≤ 5700mm

(Proposed to use countersunk screw nut rod)

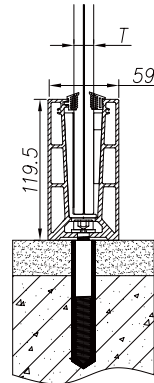
INS503



Main material: 6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thickness T: 12~17.5 mm
length: L ≤ 5700mm

(Proposed to use countersunk screw nut rod)

INS504

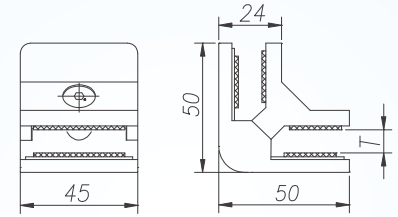


Main material: 6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thickness T: 12~17.5 mm
length: L ≤ 5700mm

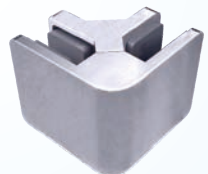
(Proposed to use cylinder head screw nut rod)

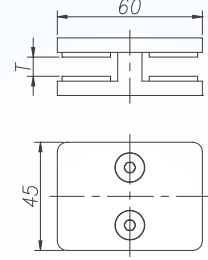


Glass Connector




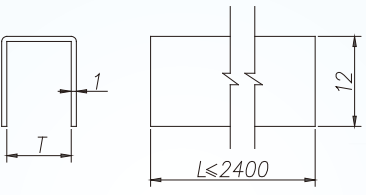
YM15 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 8~12mm



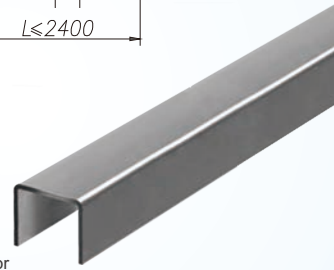


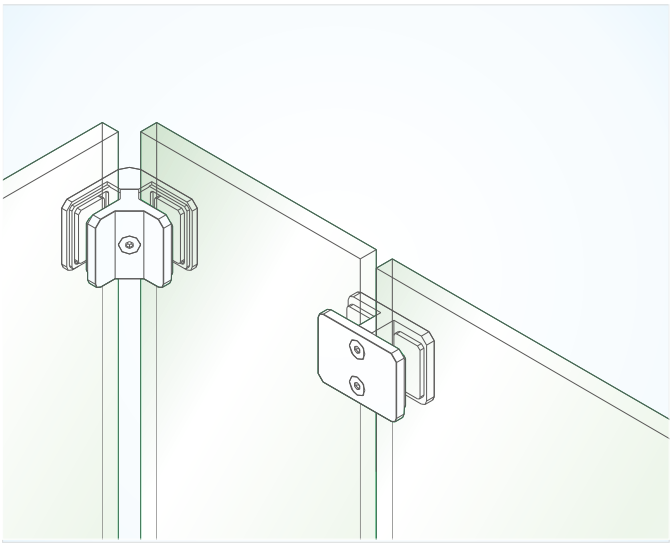
YM16 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 8~12mm

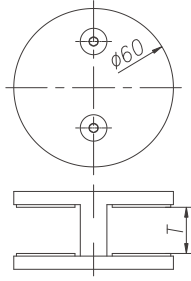





YM17 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: Customized by actual glass thickness

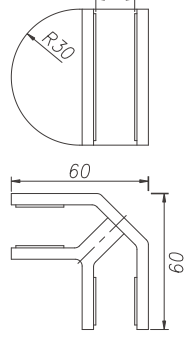







HCL01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 13.5~17.5mm





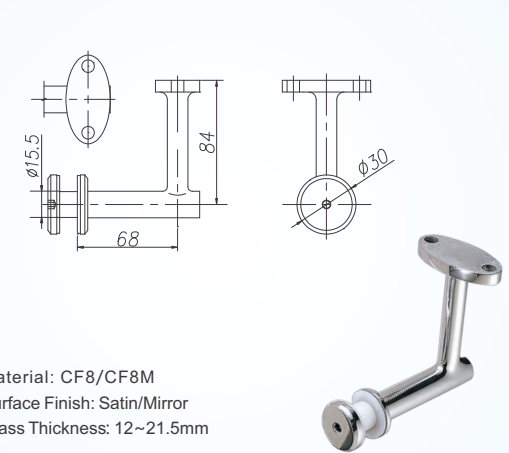
HCL02 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 13.5~17.5mm



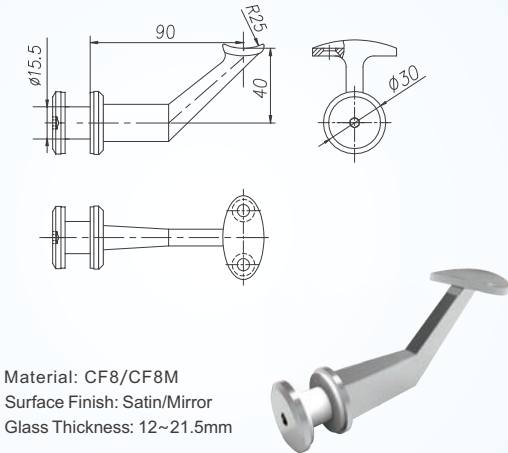
Handrail Fitting Series



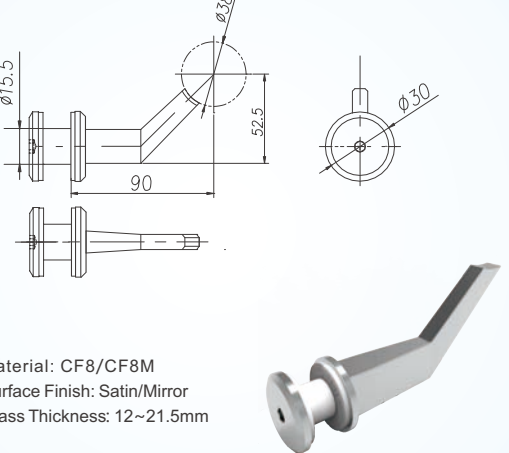
Handrail Supportor (Glass)



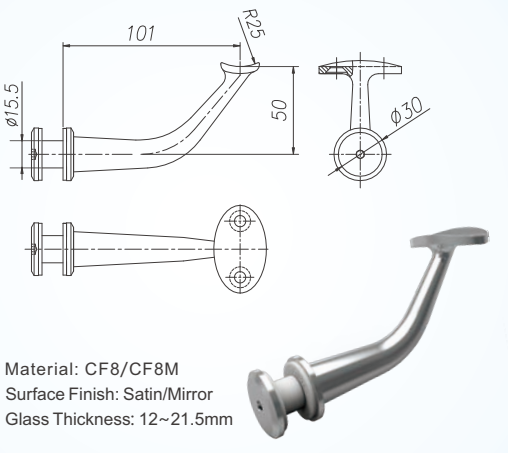
ZCF03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



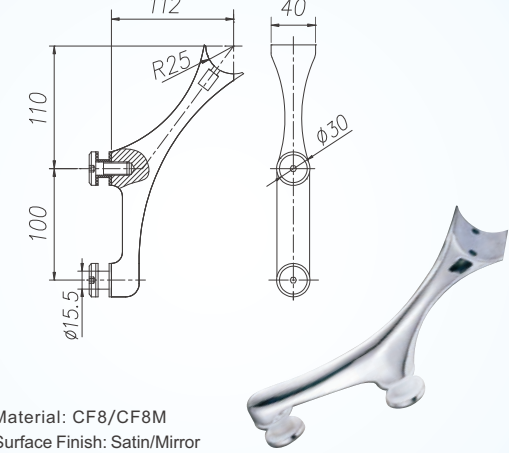
ZCF05 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



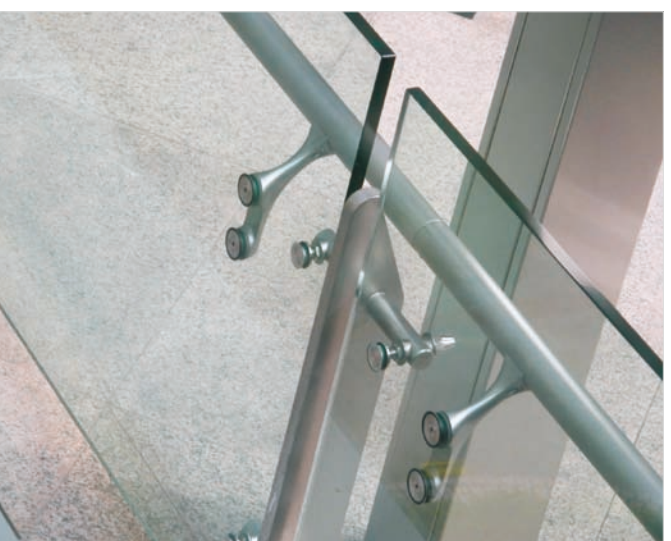
ZCF06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



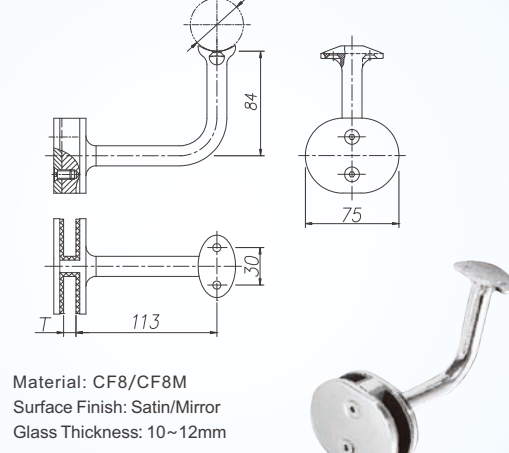
ZCF07 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



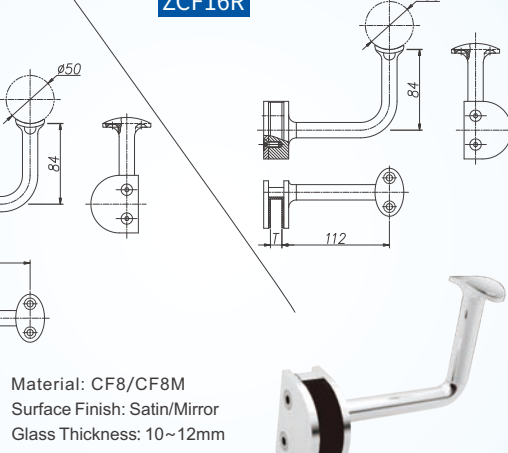
ZCF13 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



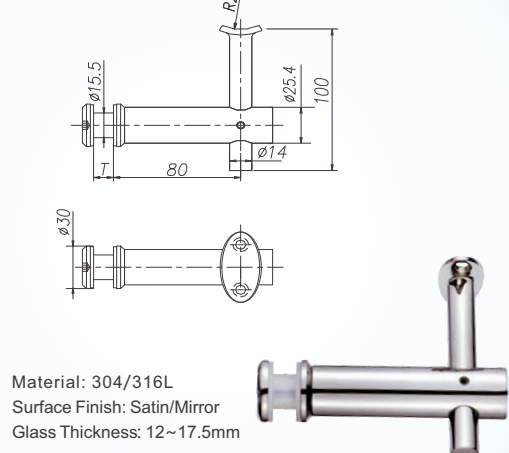
Handrail Supportor (Glass)



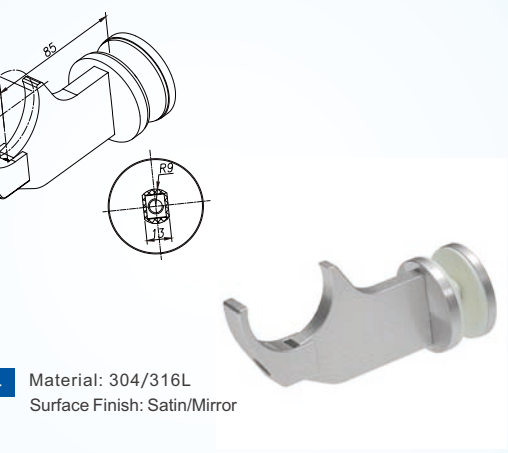
ZCF16M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 10~12mm



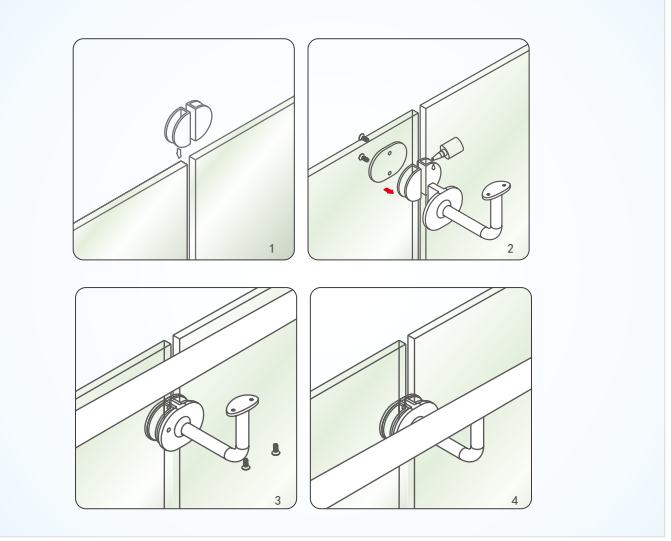
ZCF16R Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 10~12mm



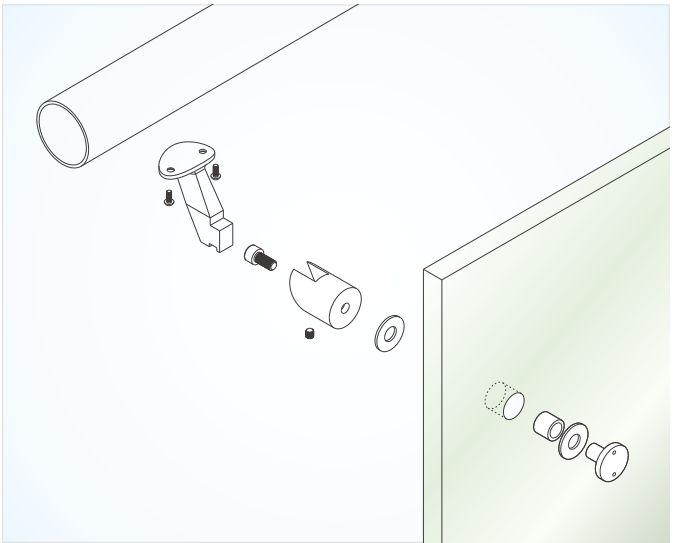
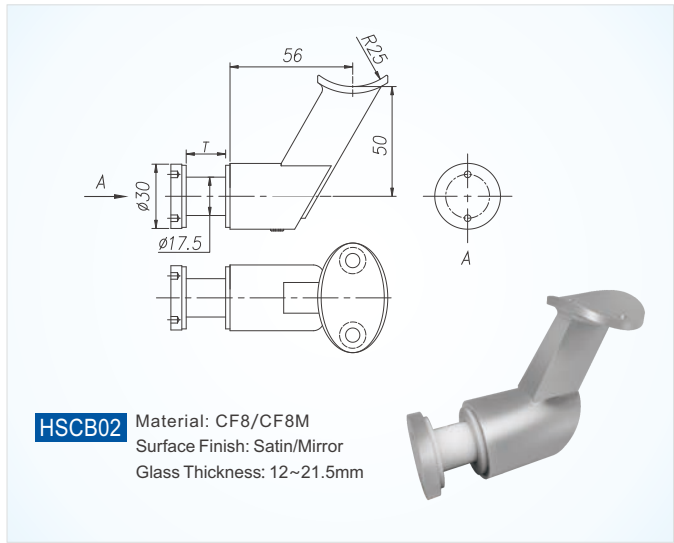
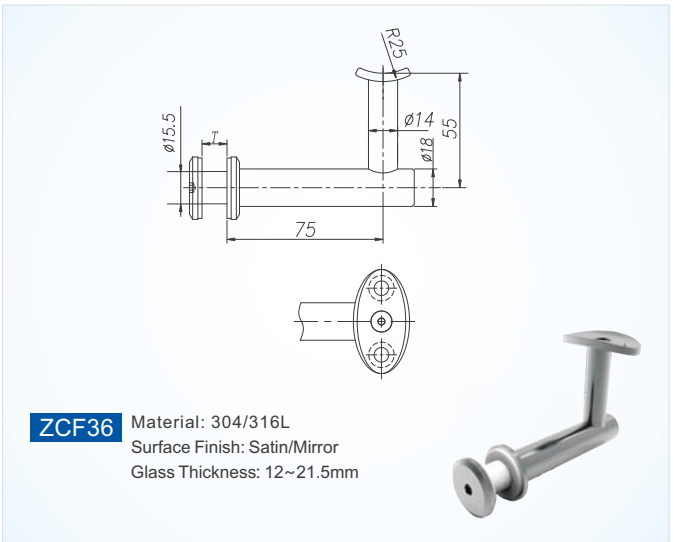
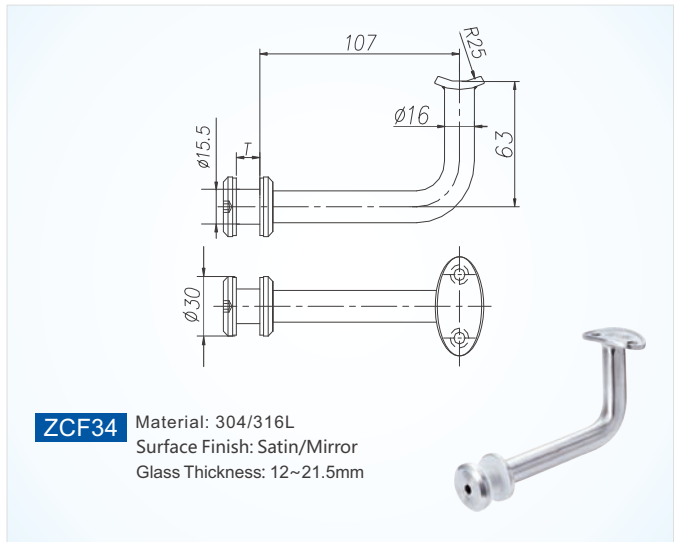
ZCF30 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



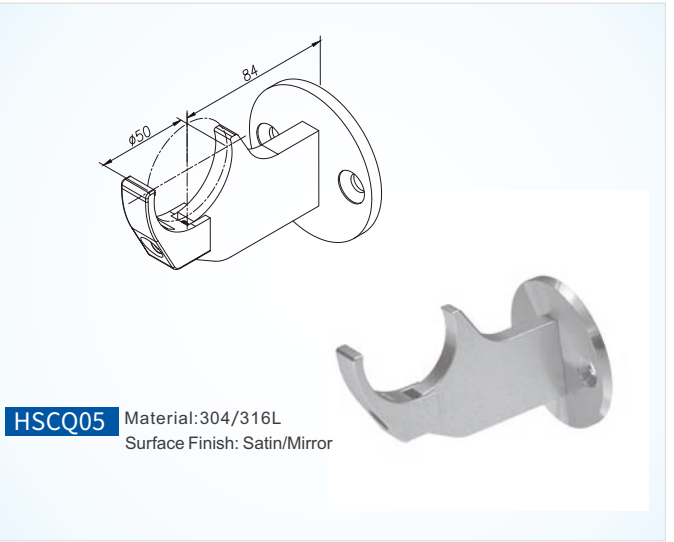
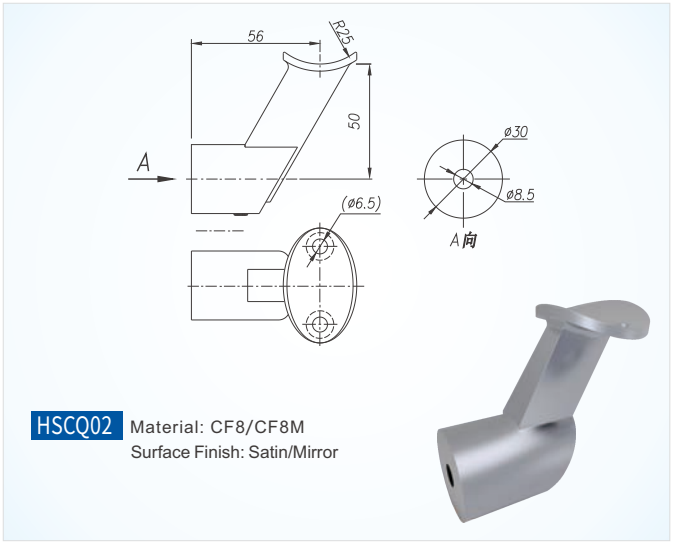
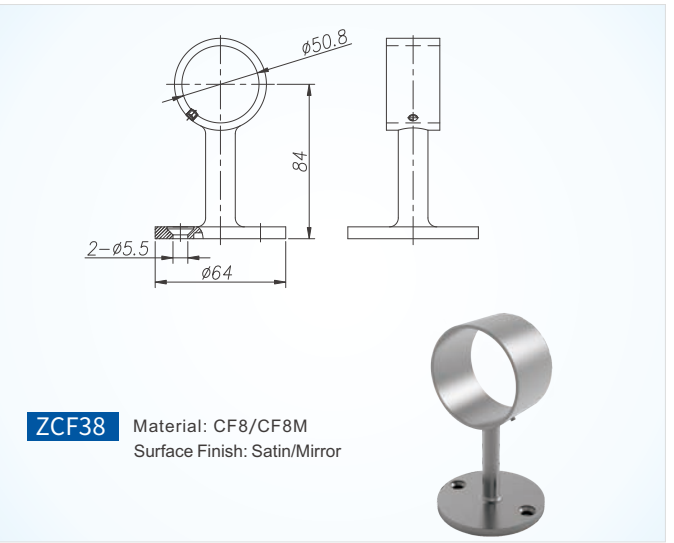
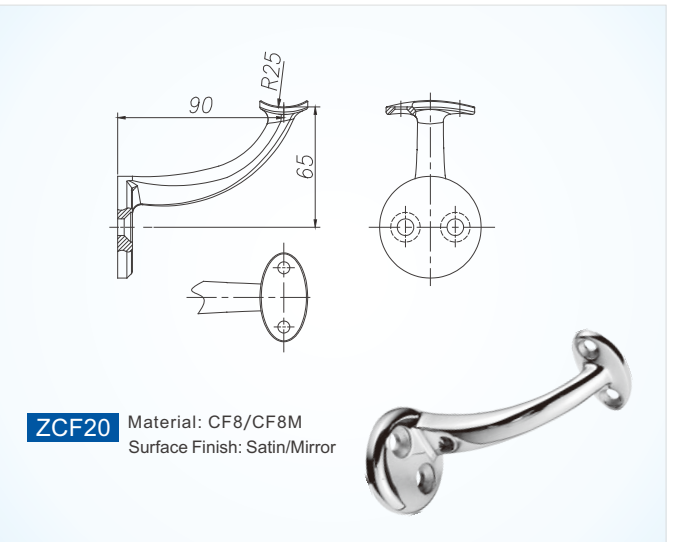
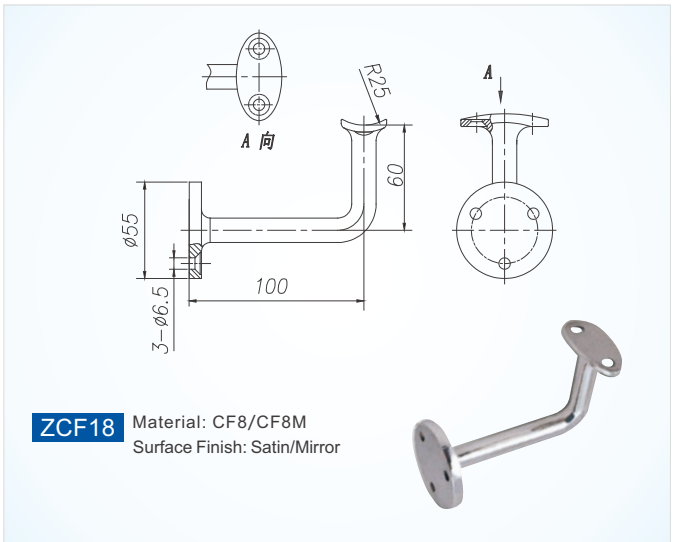
HSCQ04 Material: 304/316L
Surface Finish: Satin/Mirror



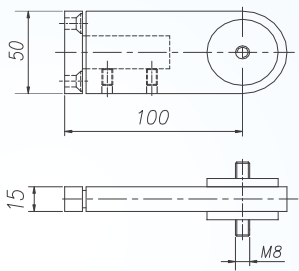
Handrail Supportor (Glass)




Handrail Supportor (Wall)

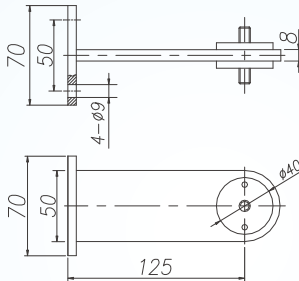


Bump Rail Accessories




ZCF28 Material: CF8/CF8M
Surface Finish: Satin/Mirror



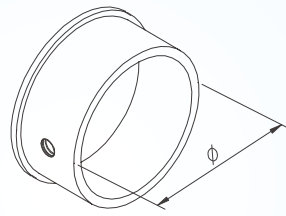


ZCF29 Material: 304/316L
Surface Finish: Satin/Mirror






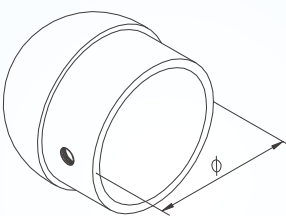
End Cap



LJK01


Φ	Equipped Thickness
50.8	1.0/1.2/1.5/2.0
44.5	
38.1	

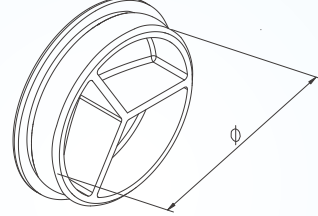




LJK02


Φ	Equipped Thickness
50.8	1.0/1.2/1.5/2.0
44.5	
38.1	

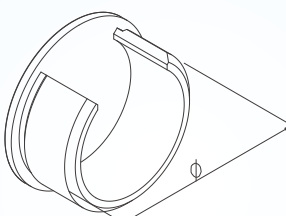




LJK05


Φ	Equipped Thickness
50.8	1.2/1.5/2.0
44.5	
38.1	





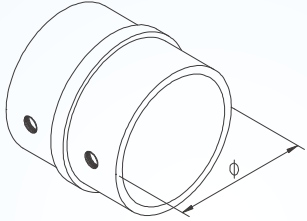
LJK06

Φ	T (max)	Equipped Thickness
50.8	26	1.2/1.5/2.0
44.5	22	
38.1	17.5	






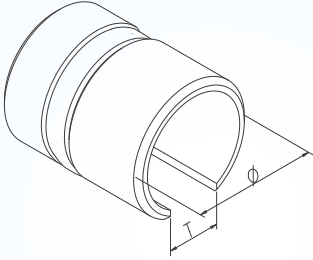
Connector



LJL01


Φ	Equipped Thickness
50.8	1.0/1.2/1.5/2.0
44.5	
38.1	

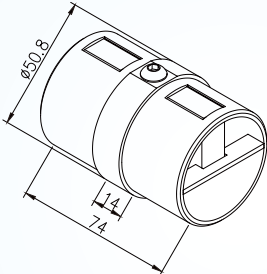




LJL04


Φ	T	Equipped Thickness
50.8	26	1.2/1.5/2.0
44.5		
38.1		

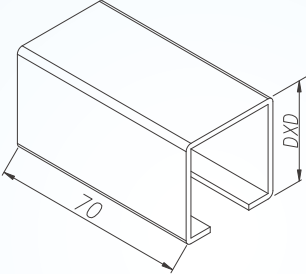





HSJL01

Φ	Equipped Thickness
Φ50.8	1.0/1.2/1.5/2.0

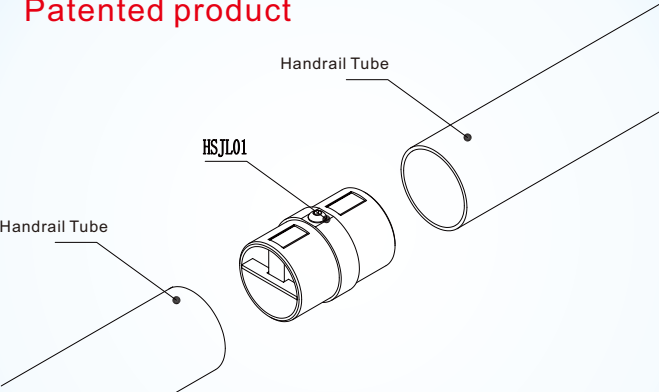




LJL05

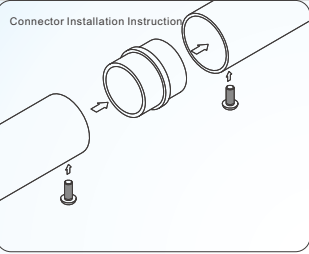


Patented product

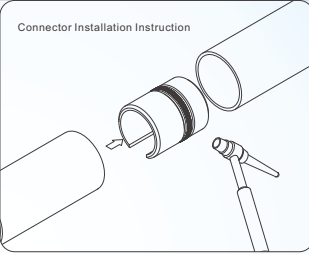


Note: The connection of handrail is fixed inside, without welding and screwing.

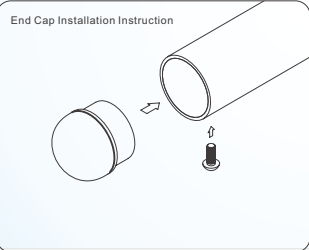
Connector Installation Instruction



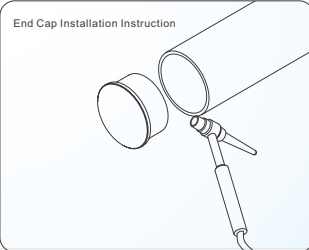
Connector Installation Instruction



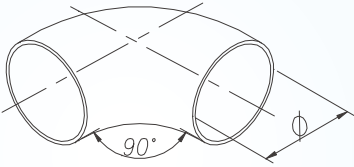
End Cap Installation Instruction



End Cap Installation Instruction




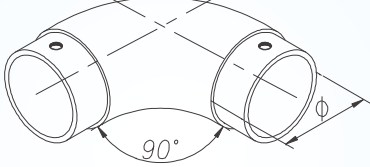
Elbow



LJW01


Φ	Equipped Thickness
Φ60.3	1.0/1.2/1.5/2.0
Φ50.8	
Φ44.5	
Φ38.1	

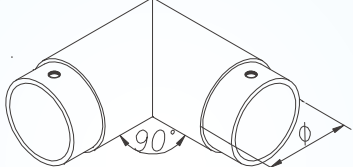




LJW02

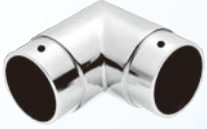
Φ	Equipped Thickness
Φ63.5	1.0/1.2/1.5/2.0
Φ60.3	
Φ50.8	
Φ44.5	
Φ38.1	

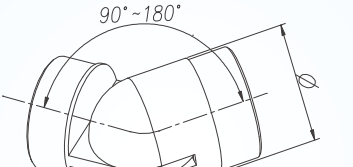




LJW03


Φ	Applicable tube thickness
Φ63.5	1.0/1.2/1.5/2.0
Φ60.3	
Φ50.8	
Φ44.5	
Φ38.1	

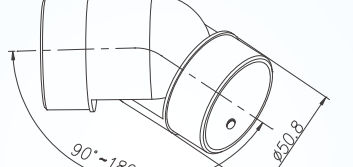




LJW04


Φ	Applicable tube thickness
Φ50.8	1.0/1.2/1.5/2.0

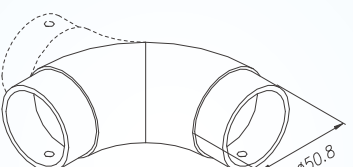




LJW05


Φ	Applicable tube thickness
Φ50.8	1.0/1.2/1.5/2.0

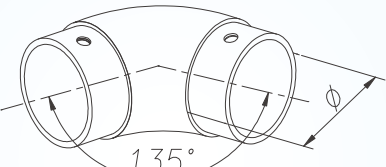




LJW06


Φ	Applicable tube thickness
Φ50.8	1.0/1.2/1.5/2.0

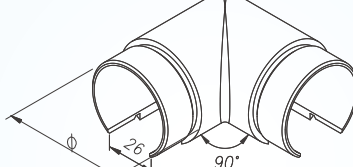




LJW08


Φ	Applicable tube thickness
Φ50.8	1.0/1.2/1.5/2.0



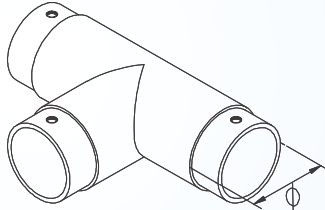



LJW09

Φ	Applicable tube thickness
Φ50.8	1.2/1.5/2.0



Elbow



LJS01

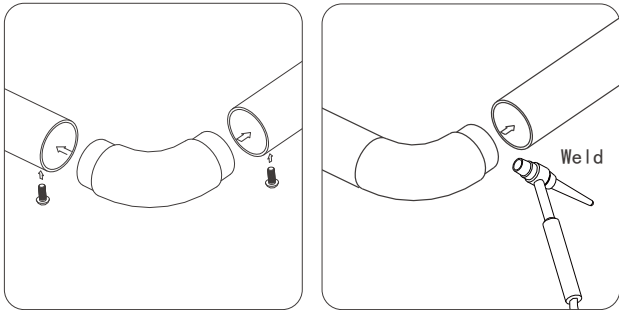
Φ	Equipped Thickness
Φ50.8	1.0/1.2/1.5/2.0

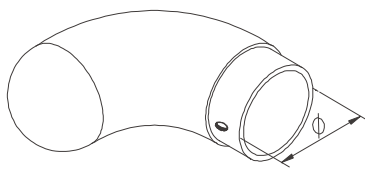



LJS02

Φ	Equipped Thickness
Φ50.8	1.0/1.2/1.5/2.0

Elbow Installation Instruction

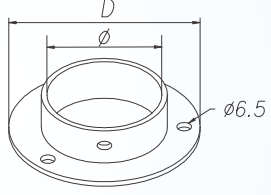





LJT01

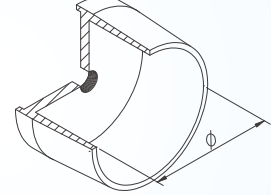

Φ	Equipped Thickness
Φ50.8	1.0/1.2/1.5/2.0

Base Plate



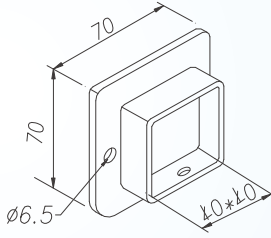

LJG01

Φ	D
Φ50.8	85
Φ44.5	80

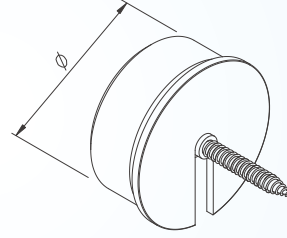



LJG02

Φ
Φ50.8
Φ44.5

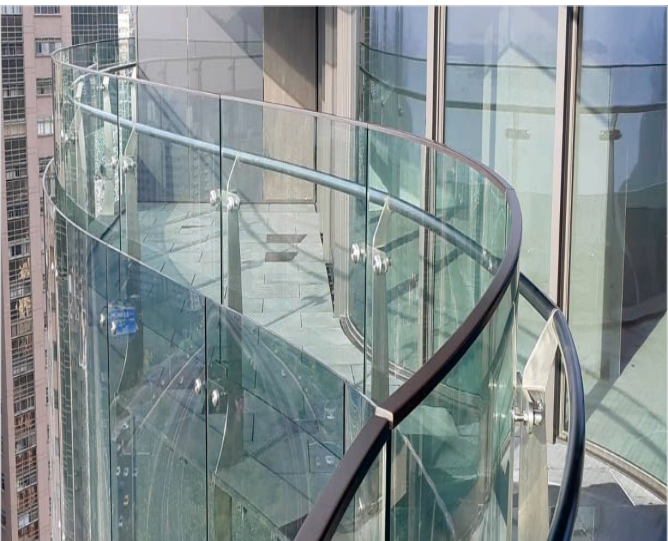


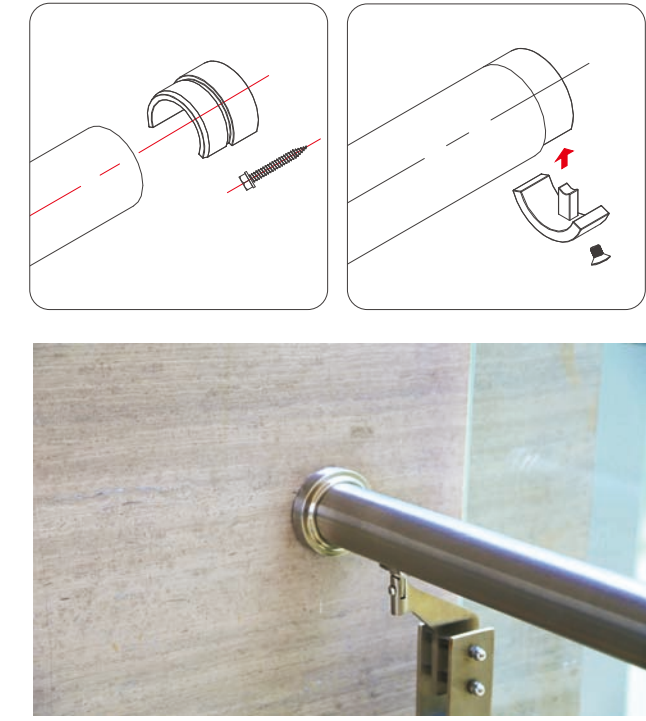
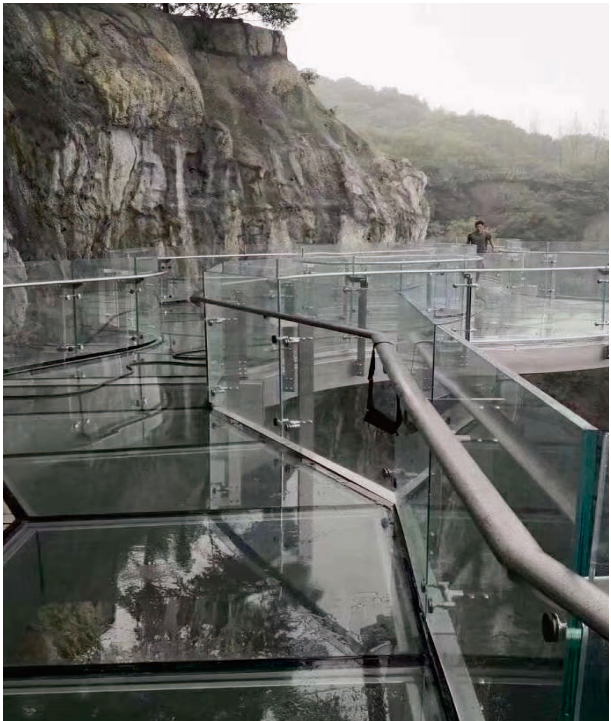
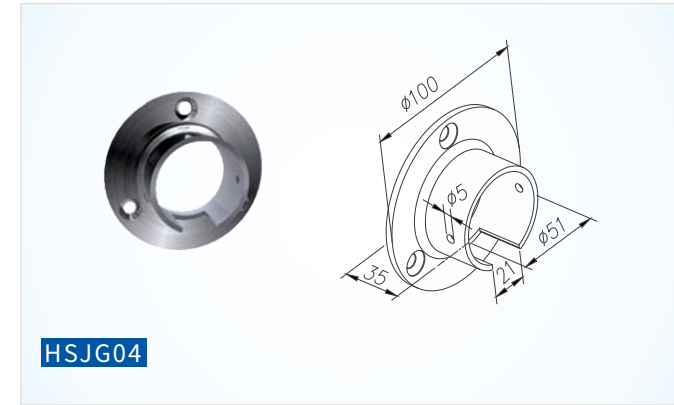
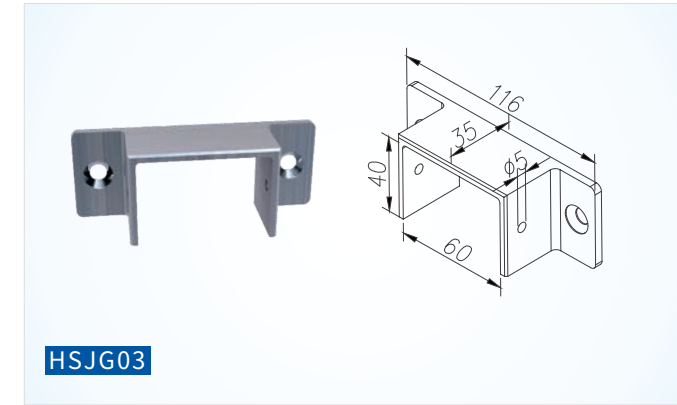
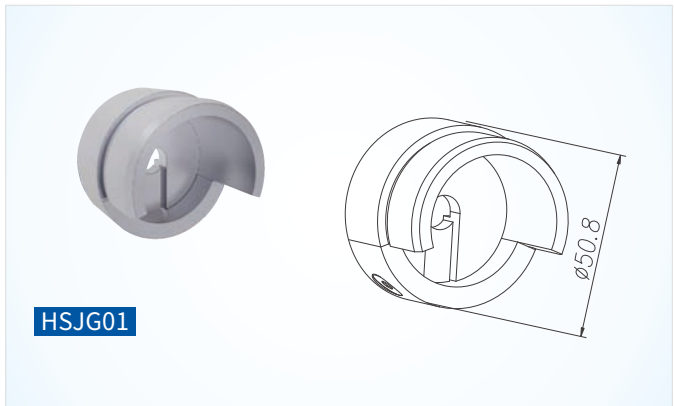
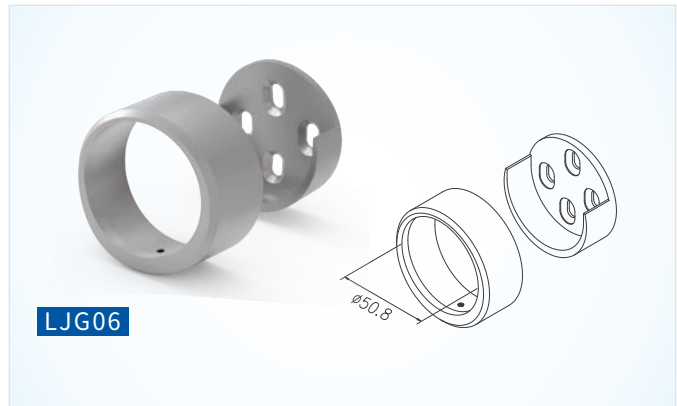
LJG03



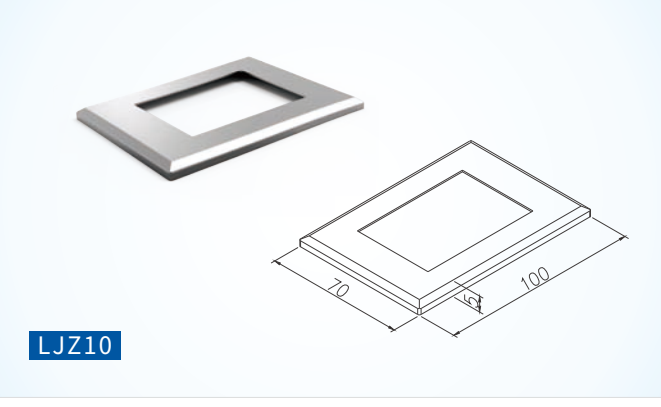
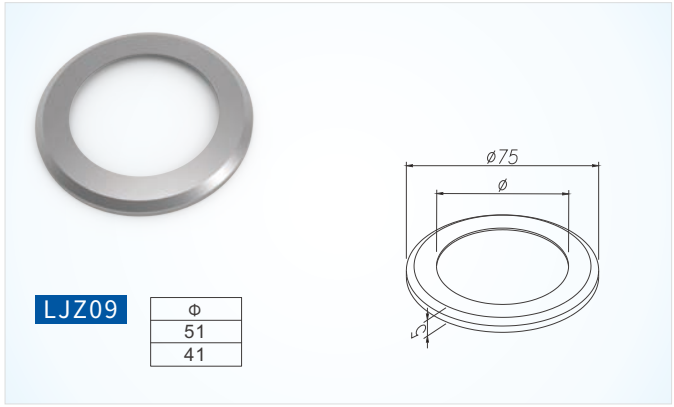
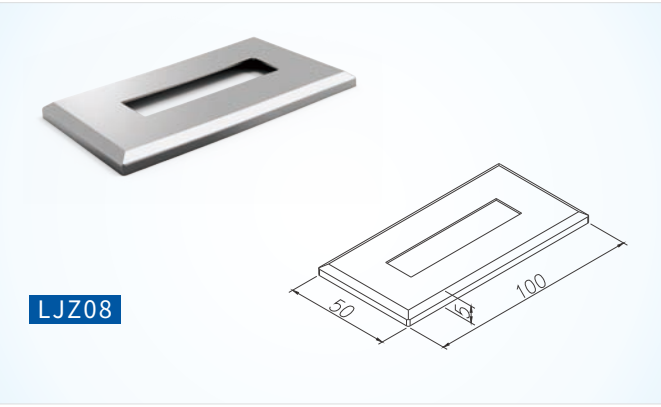
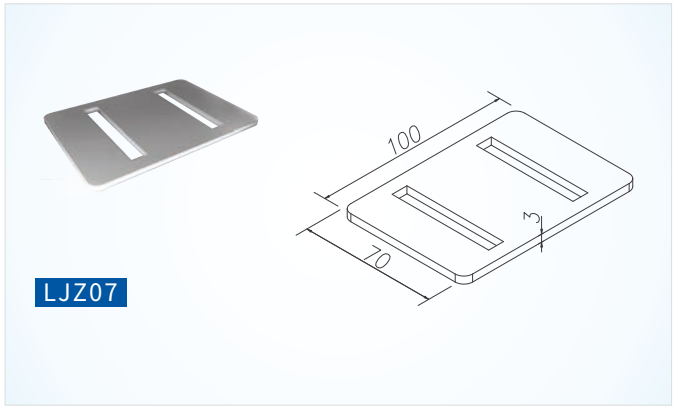
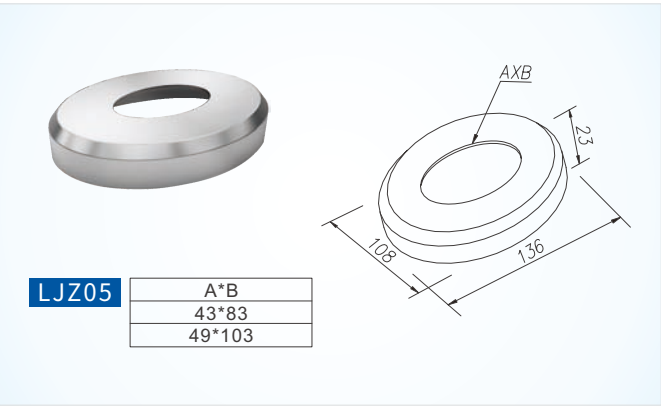
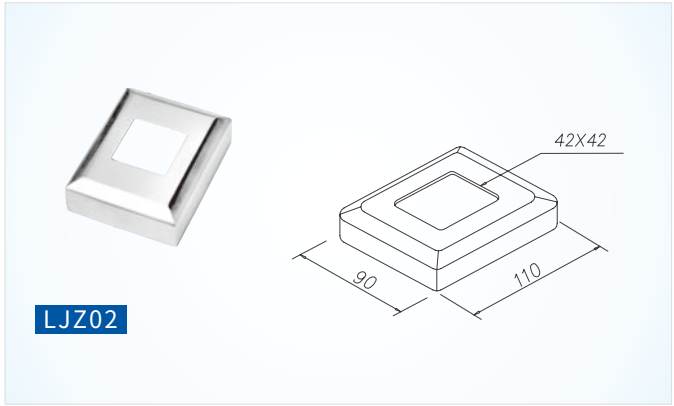
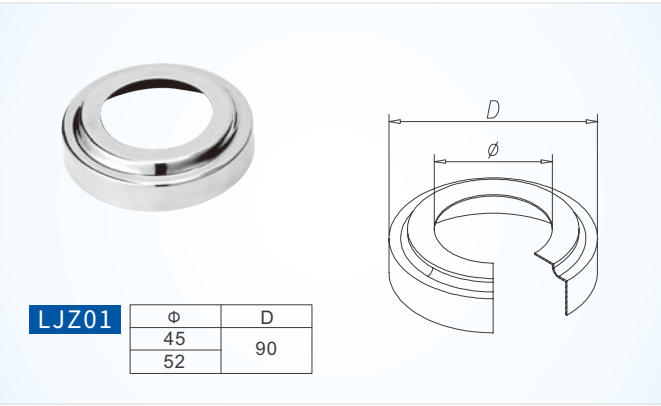
LJG05

Φ	Equipped Thickness
Φ50.8	1.2/1.5/2.0

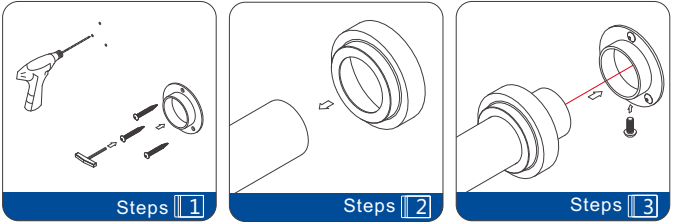




Cover Plate



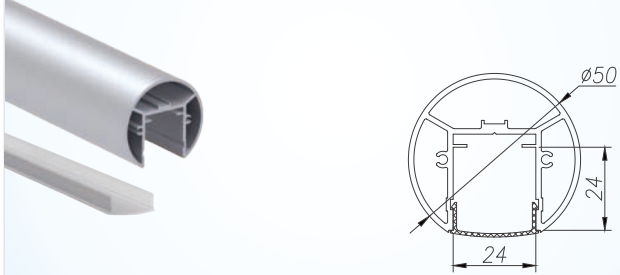
Base Plate and Cover Plate Installation Instruction



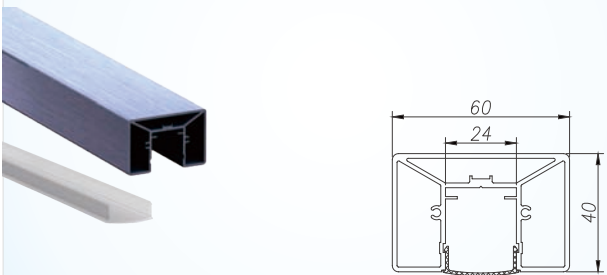
Luminous handrail



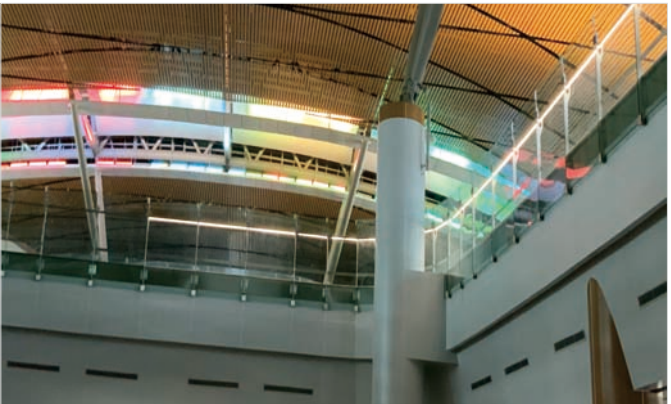
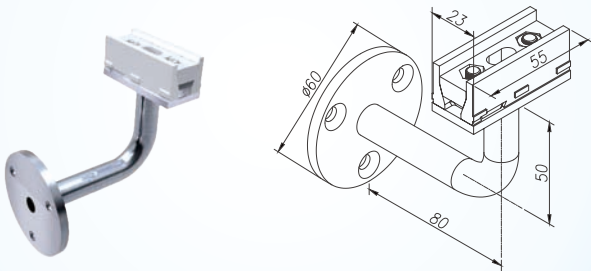
HSG01-G Luminous handrail tube
Material: 6063-T6
L≤5700mm



HSG02-G Luminous handrail tube
Material: 6063-T6
L≤5700mm



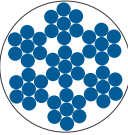
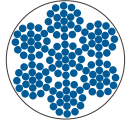
HSCQ03 Handrail support fittings
Material: 314/316



Micro Cable Accessories



Mechanical Performance of Stainless Steel Wire Rope

Structure	Nominal Diameter	Minimum Breaking Tension (KN)	Reference Weight (kg/100 m)
6×7+1WS (7×7) 	φ3.0	6.37	3.70
	φ4.0	9.51	6.50
	φ5.0	14.7	10.5
	φ6.0	18.6	15.1
6×19+1WS (7×19) 	φ4.0	10.7	6.7
	φ5.0	17.4	10.5
	φ6.0	23.5	14.9

Note: Above content quoted from GB/T 9944 《stainless steel wire ropes》

Micro Cable Accessories



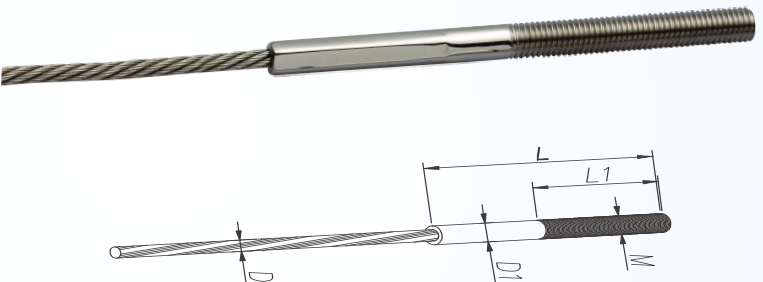
Illustration of Micro Cable Assembly



Anchor

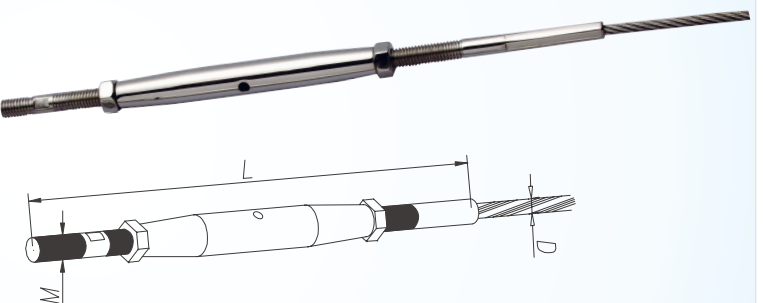
A-W

D	D1	L	L1	M
Ø3	Ø6	63	28	M5
Ø4	Ø7.5	79	33	M6
Ø5	Ø8	92	39	M8
Ø6	Ø10	111	45	M10



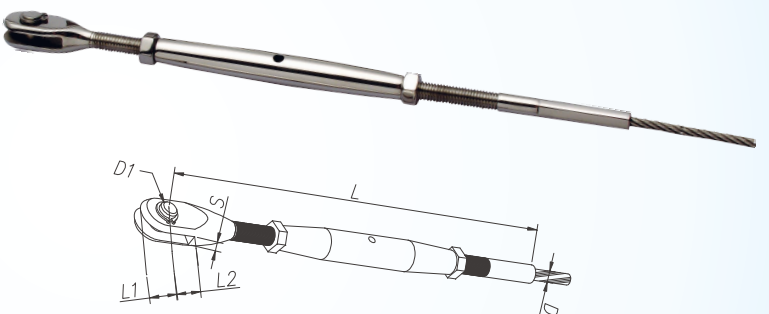
A01-W Adjustable Cable Anchor

D	L mm		M
	min	max	
Ø3	121	151	M5
Ø4	149	190	M6
Ø5	171	215	M8
Ø6	205	250	M10



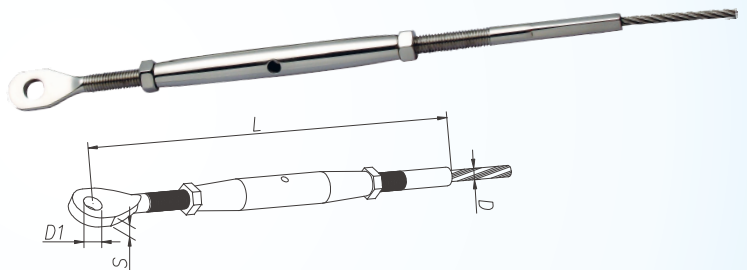
A05-W Adjustable Cable Anchor

D	L mm		D1	L1	L2	S
	min	max				
Ø3	126	156	Ø5	9.5	12	3.5
Ø4	151	191	Ø6	11	14	4.5
Ø5	172	212	Ø8	12.8	16	5.5
Ø6	206	256	Ø10	15	19	6.5



A07-W Adjustable Cable Anchor

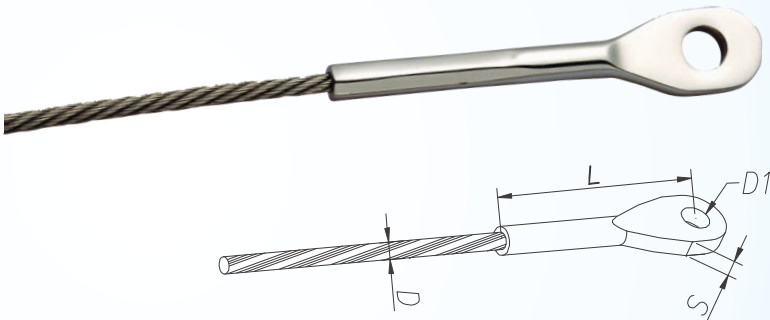
D	L mm		D1	S
	min	max		
Ø3	126	156	Ø5.5	3
Ø4	151	191	Ø6.5	4
Ø5	172	212	Ø8.5	5
Ø6	206	256	Ø10.5	6



Cable End

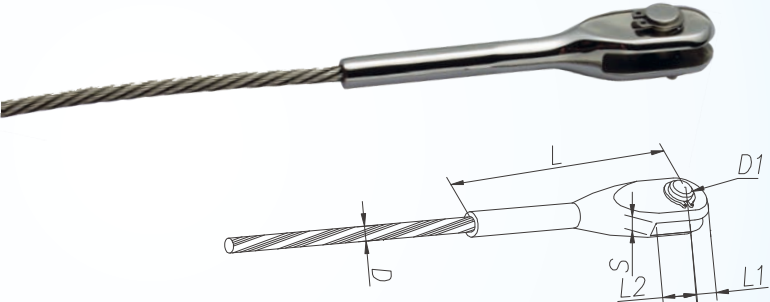
D01-W

D	D1	L	S
Ø3	Ø5.5	57	3
Ø4	Ø6.5	62	4
Ø5	Ø8.5	75	5
Ø6	Ø10.5	86	6



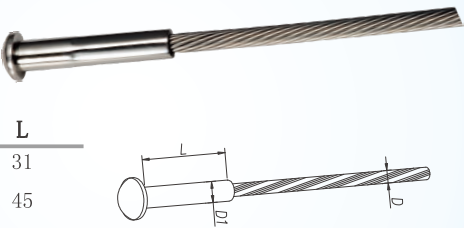
B02-W

D	D1	L	L1	L2	S
Ø3	Ø5	57	9.5	12	3.5
Ø4	Ø6	62	11	14	4.5
Ø5	Ø8	75	12.8	16	5.5
Ø6	Ø10	86	15	19	6.5



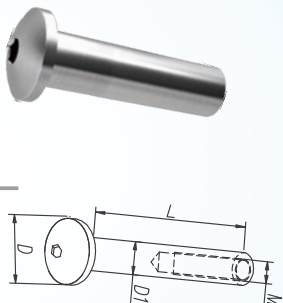
G-W

D	D1	L
Ø3	Ø6	31
Ø4	Ø8	45
Ø5	Ø8	45
Ø6	Ø10	54



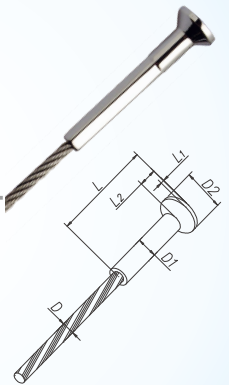
LJ-6

D	D1	L	M
Ø12	Ø7	31	M5
Ø14	Ø8	35.4	M6
Ø18	Ø10	44.2	M8
Ø24	Ø15	56.3	M10



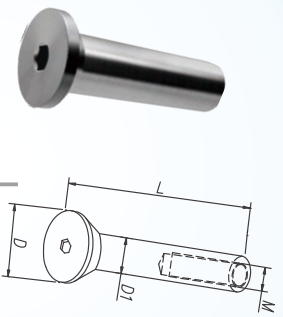
T-W

D	D1	D2	L	L1	L2
Ø3	Ø6	Ø12	35	4	1.5
Ø4	Ø8	Ø14	50	5	2
Ø5	Ø8	Ø14	50	5	2
Ø6	Ø10	Ø18	60	6	2.5



LJ-7

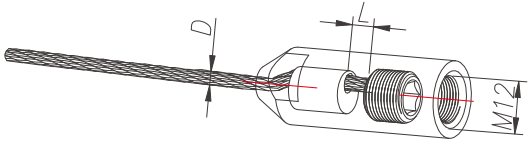
D	D1	L	M
Ø12	Ø7	35	M5
Ø14	Ø8	40	M6
Ø18	Ø10	50	M8
Ø24	Ø15	56	M10



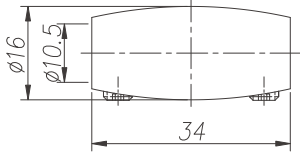
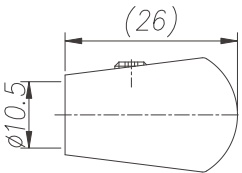
Midrail Accessories

D | Ø3 Ø4 Ø5

Note: 5mm ≤ L ≤ 7mm

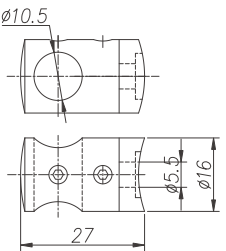
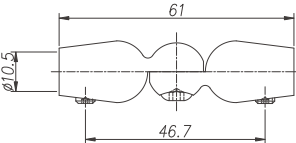


A08-W



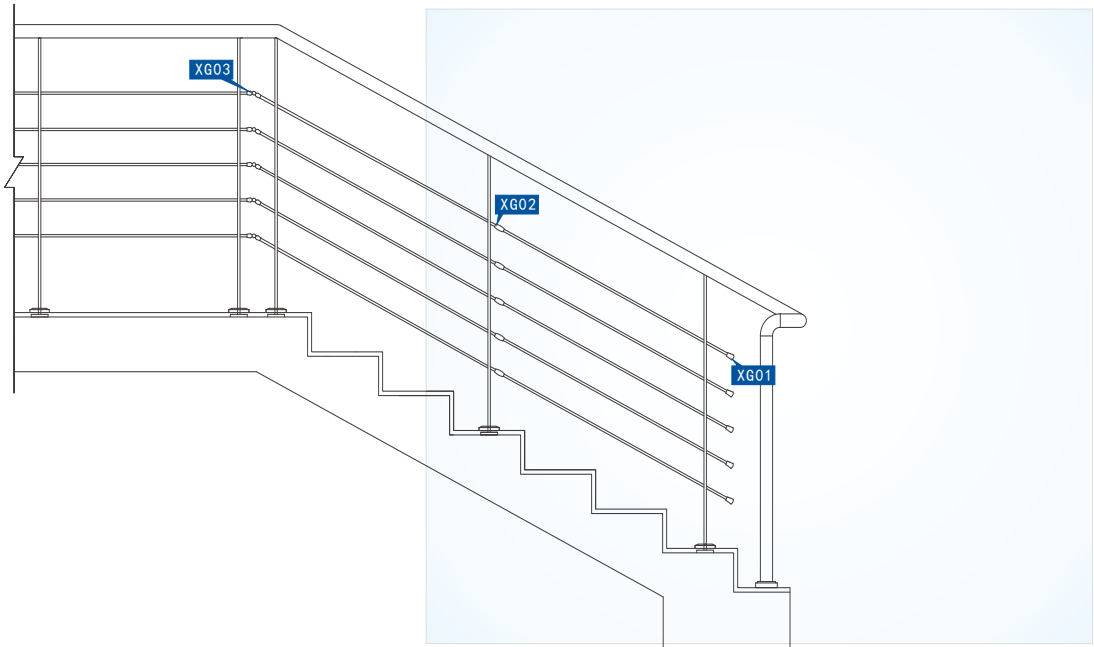
XG01

XG02



XG03

XG04



Metro Products

DTD01 Tactile Studs
Material:CF8 /CF8M
Surface Finish:Satin

DTD02 Tactile Studs
Material:CF8 /CF8M
Surface Finish:Satin

DTT01 Tactile Strips
Material:CF8 /CF8M
Surface Finish:Satin

DTD03 Tactile sidewalk plate (Studs)
Material:CF8 /CF8M
Surface Finish:Satin

DTT02 Tactile sidewalk plate (Strips)
Material:CF8 /CF8M
Surface Finish:Satin

Stainless steel Tactile Studs(Economical)

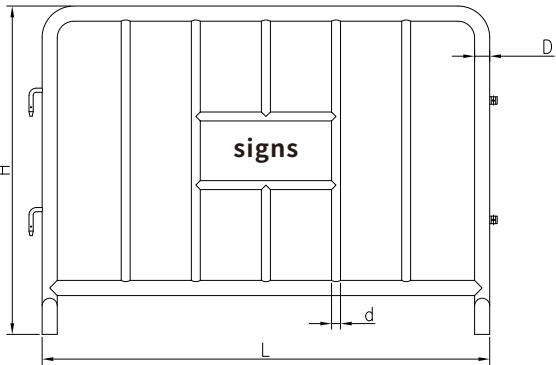
Self luminous indicating arrow

DTD04 Tactile Studs
Material:304
Surface Finish:Satin

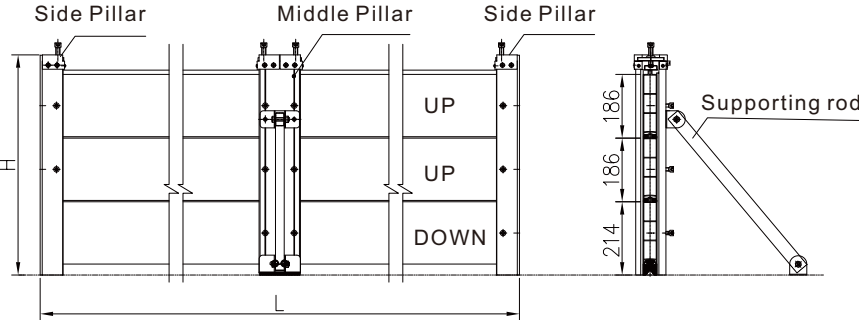
DTT03 Tactile Strips
Material:304
Surface Finish:Satin

Metro Products

HYGD02 Movable railing



H0T01 Flood control baffle



Customer service center

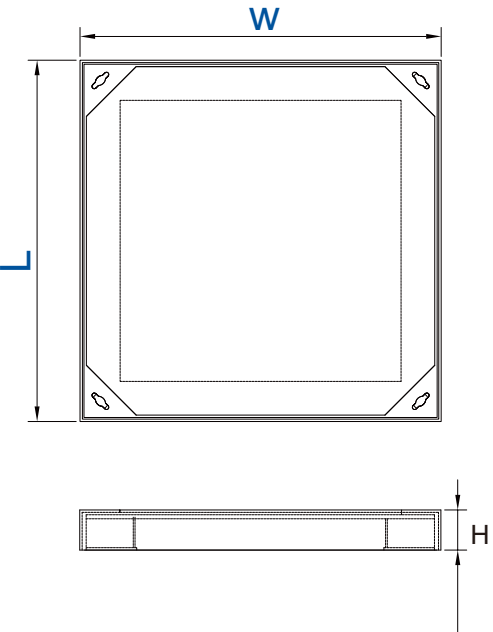
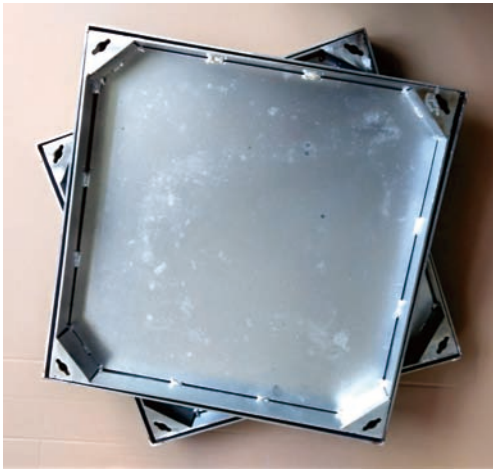


Rat guard



Metro Products

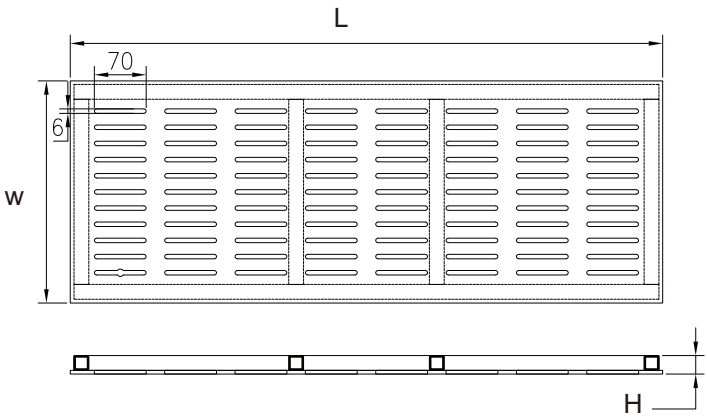
HMCD01 Inspection cover



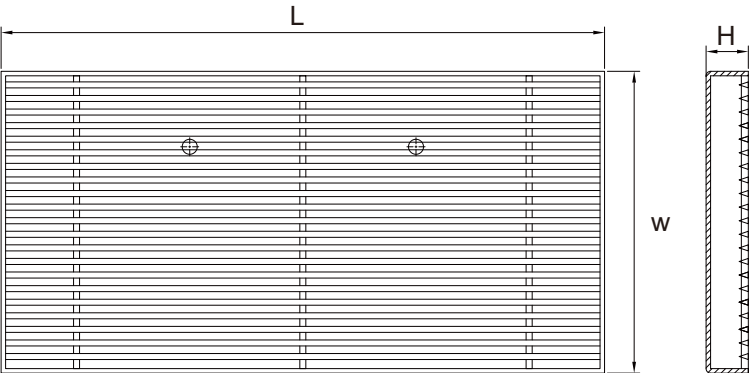
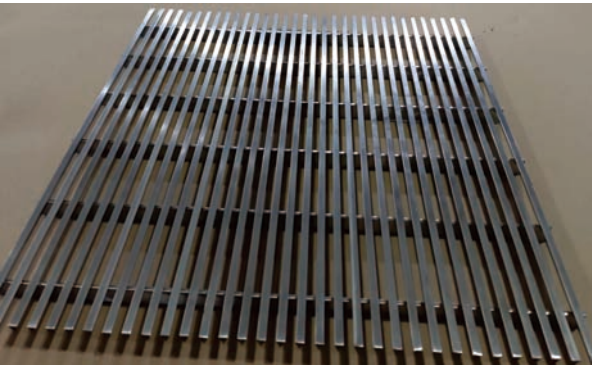
Specification and code

Thicknes	3mm	4mm	5mm
H (mm)	400×400	400×400	400×400
	500×500	500×500	500×500
	600×600	600×600	600×600
	700×700	700×700	700×700
	800×800	800×800	800×800
	900×900	900×900	900×900
	1000×1000	1000×1000	1000×1000

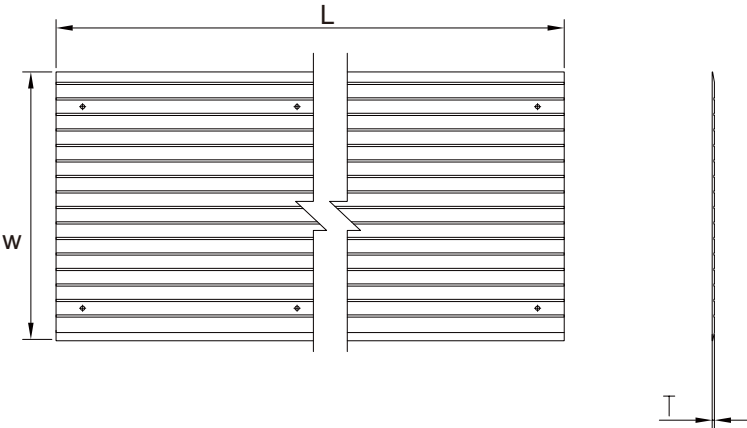
HMCD01 Trench cover



HMC002 Trench cover



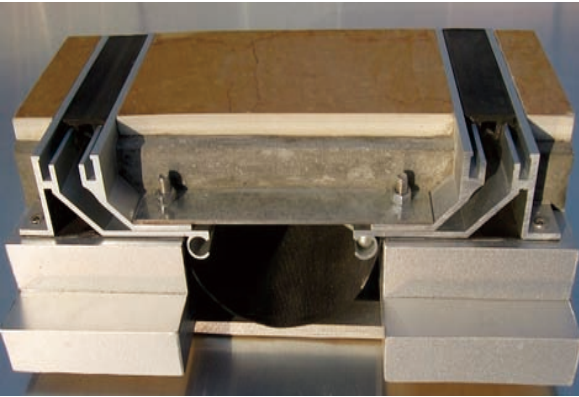
Protective cover plate



Railing door



Deformation crack



Products for Airport

Partition pillar for airport



Handrail of boarding bridge



Obstacle column



Commonly Used Handrail Sections



Ø	10	15.9	25.4
	31.8	38.1	50.8
	60.3	63.5	76.2

Circular Tube
Commonly Used Thickness 1.2 / 1.5 / 2.0

a*b	30*60	40*80
	46*100	50*120

Elliptical Tube
Commonly Used Thickness 1.2 / 1.5 / 2.0

a*b	30*60	40*75
	50*110	

Flat Elliptical Tube
Commonly Used Thickness 1.2 / 1.5 / 2.0

a*a	20*20	25*25	30*30	40*40
	50*50	60*60	70*70	100*100

Square Tube
Commonly Used Thickness 1.2 / 1.5 / 2.0

a*b	10*20	10*50	15*50	20*50	25*75
	30*50	30*60	30*70	40*80	50*100

Rectangular Tube
Commonly Used Thickness 1.2 / 1.5 / 2.0

Ø	43	50.8	63.5	76.2
t*h	24*24	15*15	20*20	25*25
	20*20	25*25		

Circular U Tube
Commonly Used Thickness 1.2 / 1.5

a*b	40*80
t*h	24*24

Elliptical U Tube
Commonly Used Thickness 1.0 / 1.2 / 1.5

t*h	15*15 (40*40)
	20*20 (40*40)

Square U Tube
Commonly Used Thickness 1.0 / 1.2 / 1.5

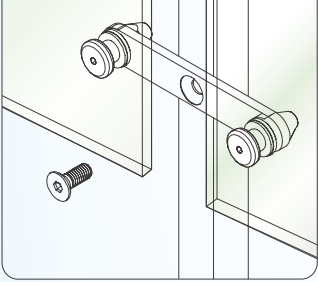
a*b	40*60
t*h	24*24

Rectangular U Tube
Commonly Used Thickness 1.2 / 1.5

Note: Above specifications are for your reference only. Any other specification is required, please consult us.

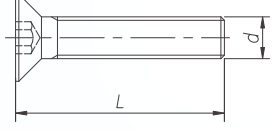
Regular Fasteners


Bracket Fastener



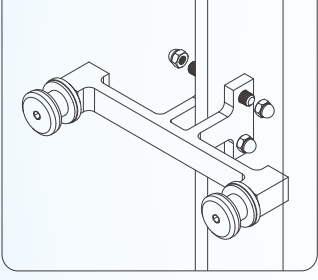
Countersunk Hexagon Socket Screw (DIN 7991)

Screw Nominal Length L: 12、16、20、25、30、35
Mark Example: Screw DIN 7991 M10*12





Bracket Fastener

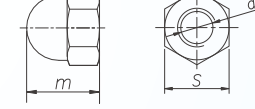
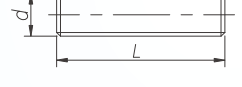



Threaded Bolt (GB/T 15389)

Cap Nut (DIN 1587)

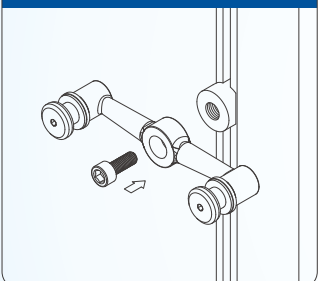
Mark Example:
Threaded Bolt GB/T 15389 M8*40

Mark Example:
Nut DIN1587 M8



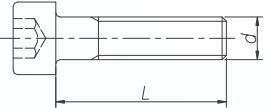



Bracket Fastener



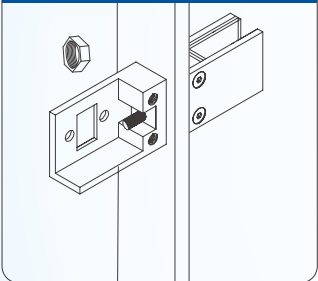
Hexagon Socket Cap Screw (DIN 912)

Screw Nominal Length L:10、12、16、20、25、30、35、40、45、50、55、60
Mark Example: Screw DIN 912 M10*16





Glass Clamp Fastener

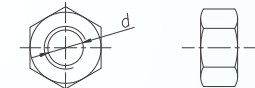
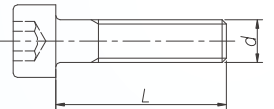



Hexagon Socket Cap Screw (DIN 912)

Hexagon Thin Nut (GB/T 6172.1)

Mark Example:
Screw DIN 912 M8*L

Mark Example:
Nut GB/T 6172.1 M8

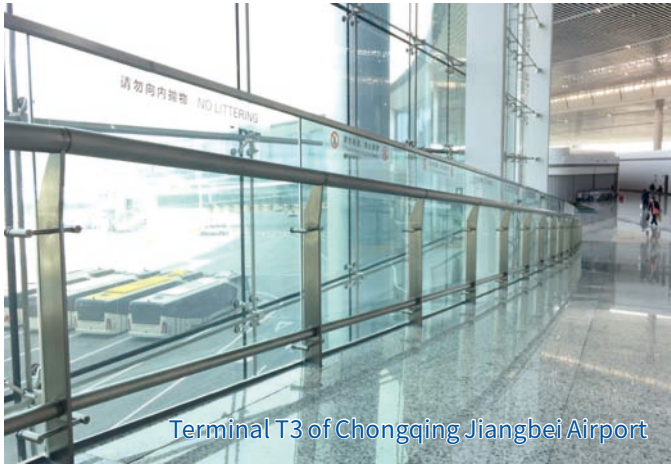




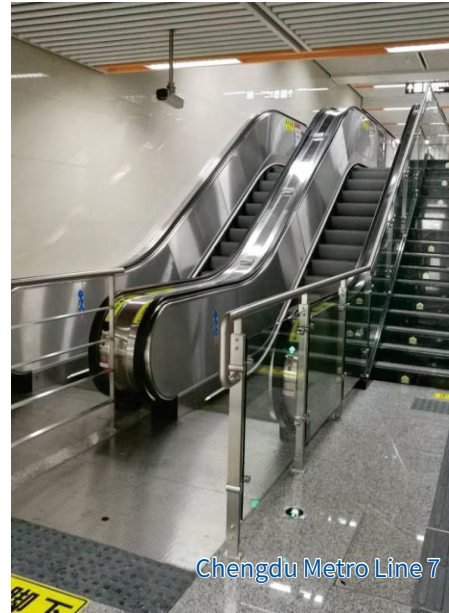
Typical Project Cases

Metro projects	Shenzhen Metro Line 4,11	Hotels	Wenzhou a Wai Lou Resort Hotel	Municipal Gardens projects	Pearl River pedestrian overpass - Haixin Bridge	Commercial Syntheses	Beijing Chaoyang Joy City
	Shenyang Metro Line 9,10		Doha Grand Hyatt Hotel		Chengdu Yixin Lake		Beijing Andingmen COFCO Joy City
	Fuzhou Metro Line 1,2,6		Xi'an Shengguang Hotel		Nanjing Garden Expo		Beijing Huazheng Building
	Xi'an Metro Line 1,4,5,6,14		Sheraton Zhanjiang Minda Hotel		Xi'an happy forest belt		Beijing COFCO Fulinmen Building
	Chengdu Metro Line 5,6,7,8,9,17,18		Zhuhai Sheraton Hotel		Tangshan super Greenway		Beijing Wangfujing Department Store
	Changchun Rail Transit Line8 (North Lake Line)		Beijing Zhongcheng Hotel		Beijing Universal Studios theme park		Beijing Youtang Life Square
	Nanning Metro Line 4,5		Chengdu Maowen Hotel		Haihua Island dam and yacht wharf		Shanghai Jinghongqiao International Center
	Zhengzhou Metro Line 4		Ningbo Crown Plaza Hotel		Huangshi Xiandao Lake viewing platform		Shanghai Yueyang Plaza
	Hohhot Metro Line 1		Hyatt Hotel		Administrative office area of Beijing Urban sub center		Shanghai Shopping Center
	Ningbo Metro Line 3Shijiazhuang Metro Line 3		Dali Hilton Hotel		Nanning BRT curtain wall overpass		Guangzhou Zhujiang New Town
Station projects	Qingdao Metro Line 1	Residential	Hong Kong West Kowloon Hotel	Gymnasium, convention and exhibition	Zhaoqing pedestrian overpass		Shenzhen Vanke One City
	Nanjing Metro Line S6		Qatar Hotel Doha		New construction project of joint report headquarters building		Shenzhen Yitian Holiday Shopping Center
	Harbin Metro Line 2		Beijing No.1 Silicon Valley		Shanghai Disneyland Landscape ridge project		Shenyang Henglong Square
	Depot of Guangzhou metro lines 18 and 22		Qinhuangdao Golden Dream Bay		Shenzhen Pingshan Cultural Complex		Shenyang Joy City
	Wuxi Metro Line 2		Tianjin Jewelry Garden				Shenyang Pengli Square
	Wulumuqi Metro Line 1		Shanghai Shipyard District Residential Project		Nanjing Youth Olympic Sports Center		Shenyang Dafa Square
	Tianjing Metro Line 4,6		Guangzhou Times Bund		Tianjin Olympic Sports Center		Shenyang Heng Long Street
	Taiyuan Metro Line 2		Foshan Haijunda City		Shanghai Expo Center		Harbin Hongchuang City Square
			Shenzhen Overseas Chinese Town Chuangxiang Building		Oriental Pearl of Shanghai		Linyi Zhonghui Square
			Hanzhou Ginkgo Biloba		Guangzhou Pazhou Exhibition Center		Chengdu Raffles City Plaza
Airport	Zhengzhou East Station		Hainan Sunachuang-Wanning Sun Moon Bay	Office Building	Shenzhen Pingshan Cultural Center		Chengdu Maoye Center
	Tianjin Train Station		Hainan Rongchuang-Diamond Coast		Zhenjiang Sports Center		Yunnan Qujing Commercial Building
	Xi'an North Train Station		Sanya Blue Sea and South Sky		Ningbo International Financial Services Center		Kunming Jialianhua Square
	Hong Kong West Kowloon High-speed Railway Station		Zhuhai Renheng Peninsula Garden		Ningbo Cultrue Center		Kunming Shuncheng Shopping Center
	Dongguan South Railway Station		Yunnan Mountain Gather		Ningbo International Exhibition Center		Kunming Joy City
			Xiamen Hangho Qishang		Xiamen Strait Conference Center		Lanzhou New World Shopping Square
			Fuzhou East Lake-Yue Rong Bay		Xiamen Jiageng Stadium		Zhengzhou MIXC
			Chengdu Central Iron Rose Art City		Wuxi World Trade Center		Zhengzhou Zhenghong International Plaza
			Zhongshan Longshan Huafu		Kunming Dianchi Exhibition Center		Wuhan IKEA
			Zhongshan Xing Hui Bay		Hong Kong Asia International Expo		Hangzhou MIXC
	Beijing Daxing International Airport (Beijing New Airport)		Guiyang Forest City Flower Capital		Inner Mongolia Minority Mass Culture and Sports Center		Wuxi Yingte IKEA
	Guangzhou Baiyun International Airport		Zhengzhou Yongwei Shangheyuan				Qingdao Wanda Plaza
	Tianjin Binhai International Airport		Wuhan Dingxiu Northwest Lake		Beijing City Sub-center Administrative Office Project		Bulgarian Varna Shopping Center
	Yunnan Kunming International Airport		Zhengzhou Hanhai voyage		Beijing Peotro China Building		Singapore Binhai Bay Comprehensive Entertainment City
	Shanxi Taiyuan International Airport		Maoming Jinyuan Bay City		Guangzhou Mobile Branch		Australian Top West Mansion
	Nanning Wuwei International Airport		Heyuan Dongjiangwan phase III		Taiwan Union News Headquarters Building New Construction		Xiamen MIXC
	Jiangxi Nanchang International Airport		Huizhou Changsha Bay Garden		Comprehensive Dispatching Building of Henan Electric Power Company		India Pheonix Market City
	Wuhan Tianhe International Airport		Huludao first • Longwan phase II		Russian State Building		Big shopping center Melbourne
	Chongqing Jiangbei International Airport Terminal 3		Wenzhou South Zhejiang Vanke green axis G22 project		Kunming Party anf Government Center		Zhuhai HUAFA business capital
	Taiwan Taoyuan International Airport		Ningbo Hangzhou Bay intelligent garden		Xi'an Radio and Television Center		
	Dubai International Airpor		Nb3 glass rail North America		Fujian Radio and Television Center	hospital	Henan Cancer Hospital
	Kenya International Airpor		North America TANGRAM PLAZA		Wuxi World Trade Center		Hainan 301 Hospital
	Japan Haneda Airport		Thailand SUPALAI ORIENTAL SUKHUMVIT 39		Wuxi Radio and Television Media		Peking University International Hospital
	Doha International Airport		India Nivee Gardens		National Deuvelment Bank		Hangzhou people's Hospital
	Muscat International Airport				Wuhu Huadian Complex Building		Shanghai Zhongshan Hospital
	Emirates Aviation BuildingAbu Dhabi Airport				Office building of Zigong Yun Machine Group		The Second Affiliated Hospital of Dalian Medical University
	Cario International Airport Terminal 2						
	Abuja Nnamdi Azikiwe International Airport						
	The Queen Alia International Airport						
	Las Vegas casino International Airport						

Airport projects



Metro /Station projects



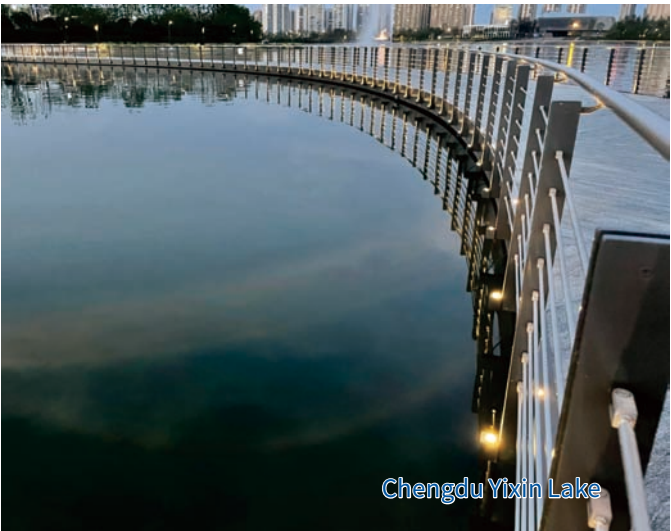
Municipal Gardens projects



Beijing Olympic Sports Park Observation Deck



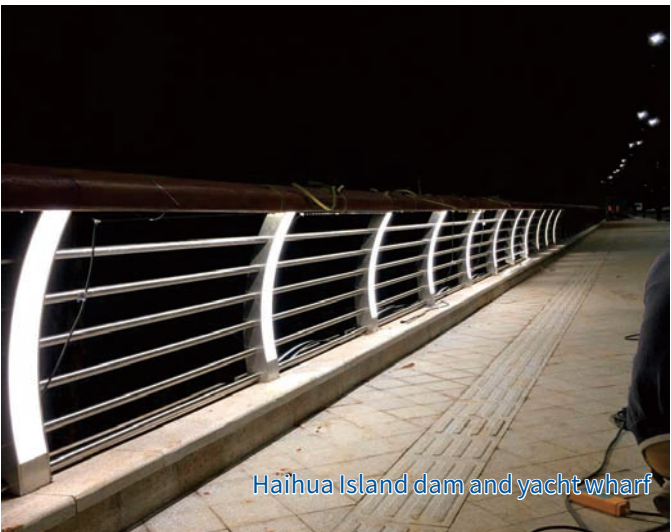
Nanjing Garden Expo



Chengdu Yixin Lake



Nanjing Garden Expo1

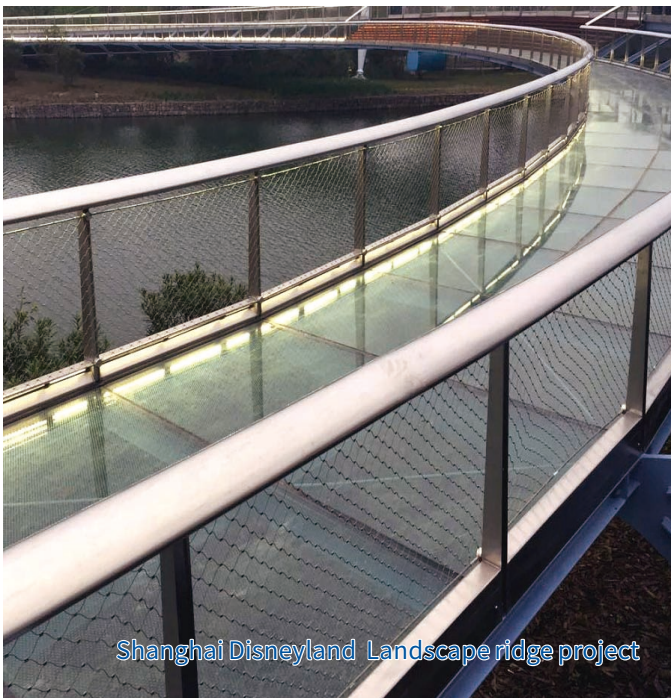


Haihua Island dam and yacht wharf

Municipal Gardens projects



Pearl River pedestrian overpass · Haixin Bridge



Shanghai Disneyland Landscape ridge project



Shanghai Disneyland Landscape ridge project

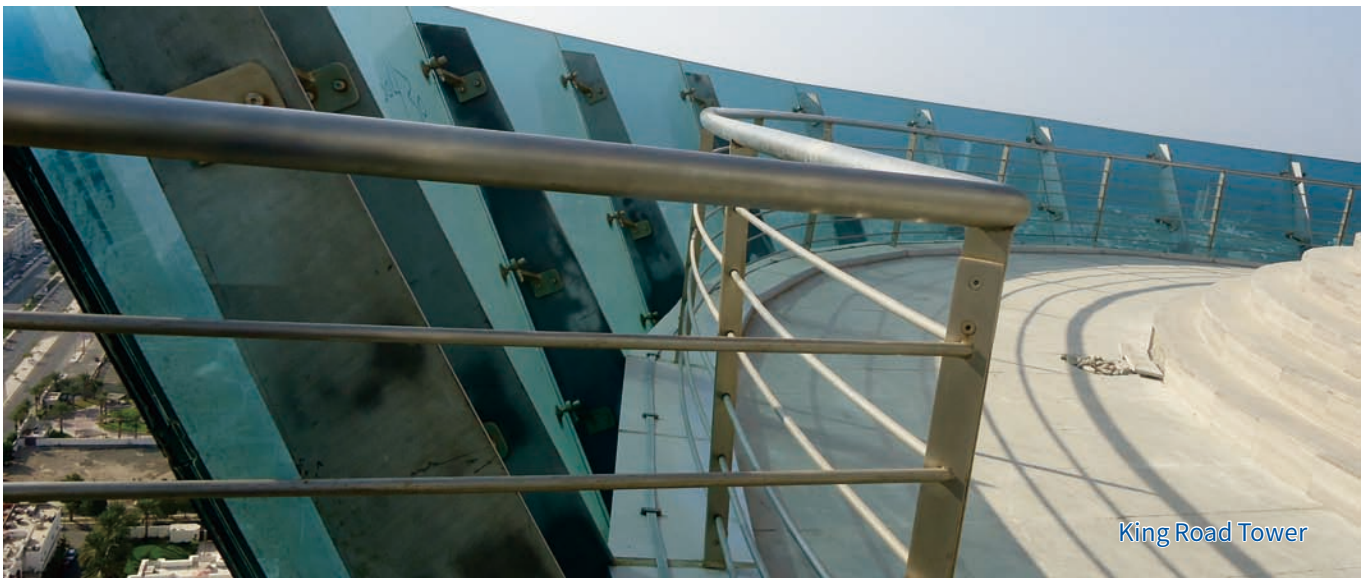
Commercial Spaces



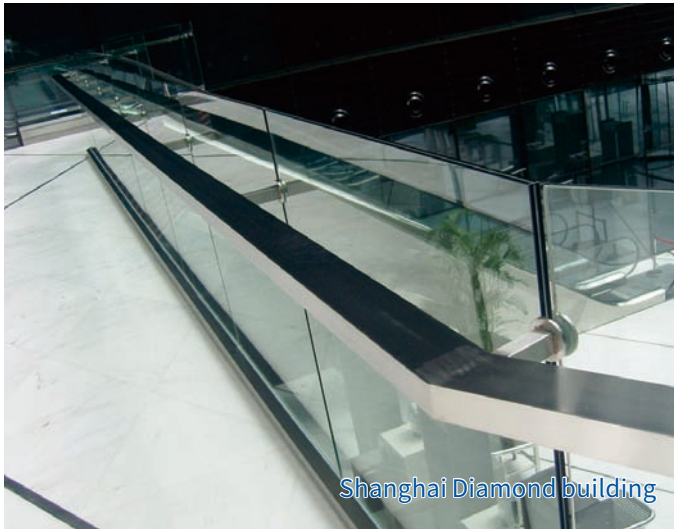
Commercial Syntheses



Gymnasium, convention and exhibition Centers



Other Cases



Shanghai Diamond building



Guangzhou Times Bund



Henan Cancer Hospital



Office building of Zigong Yun Machine Group



Chengdu Maoye Center



Sydney elderly care centre

Other Cases



Dali Binhai Junyuan



Beijing Peotro China Building



Ningbo Crown Plaza Hotel

Other Cases



Beijing Zhongyou department stor



Pheonix Market City (Mumbai, India)



Zhongguancun first floor lobby



Hefei Xintiandi

Other Cases



大Grand shopping center Melbourn CHASTONE



Ningbo International Financial Center



Singapore fengshu commercial city



Singapore fengshu commercial city