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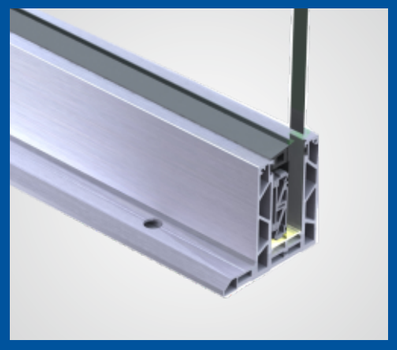
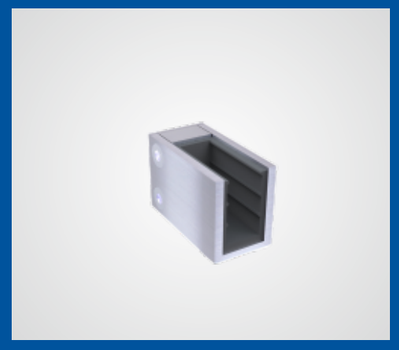
For Better Living

Post Railing Systems Typical Product Catalogue





Post Railing Systems Typical Product Catalogue

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Content

Introduction for Product Material

I .Product material description

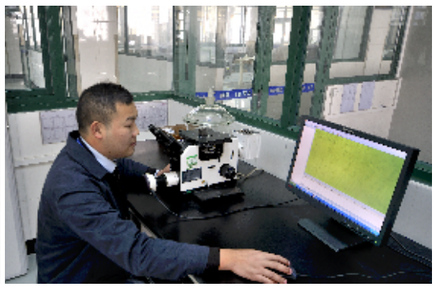
Commonly Used Raw Material

- 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 thescrew;

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:

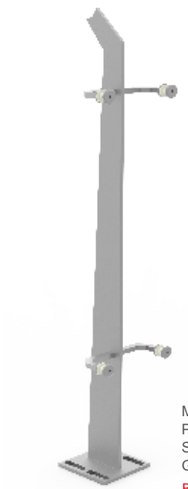
Environment		Villages And Towns (Times per Year)	City (Times per Year)	Industrial District		Coastal District	
Location	Structure			General Environment (Times per Year)	Corrosion Environment (Times per Year)	General Environment (Times per Year)	Corrosion Environment (Times per Year)
In-Door	without Contaminants 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

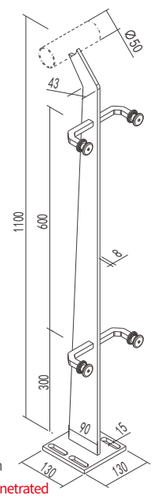
Stainless Steel Balustrade Pillar Series

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.

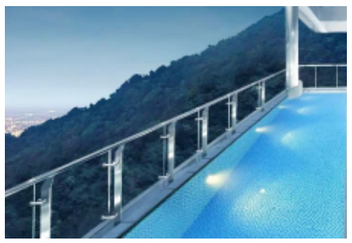
Single-plate Pillar: HLBD15

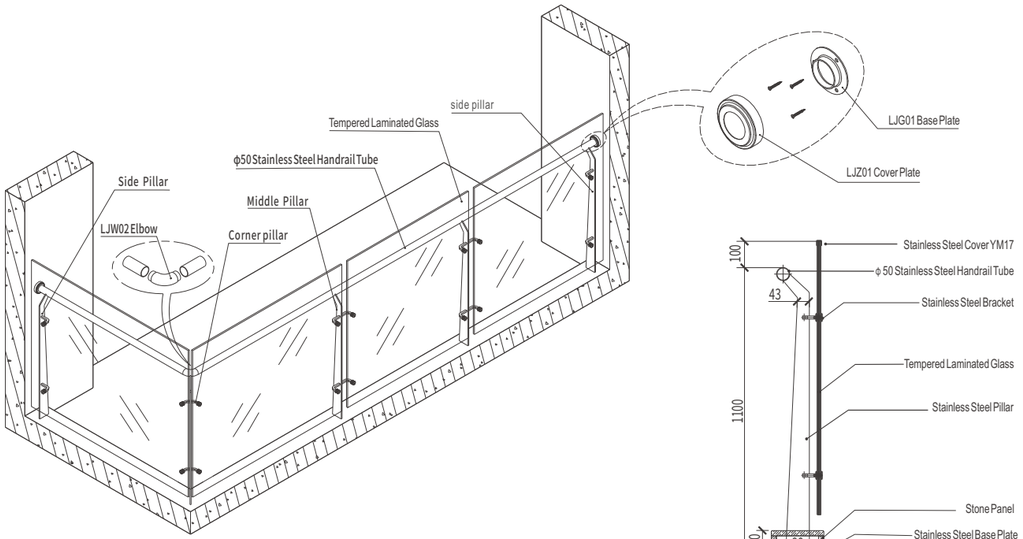




Material:304
Plate thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~17.5mm
Base plate material: Q235B zinc penetrated

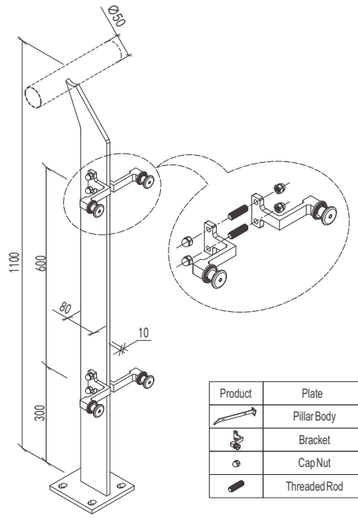
Middle Pillar:HLBD15-HJTL01M
Side Pilalr:HLBD15-HJTL01
Corner pillar:HLBD15-HJTL01Z





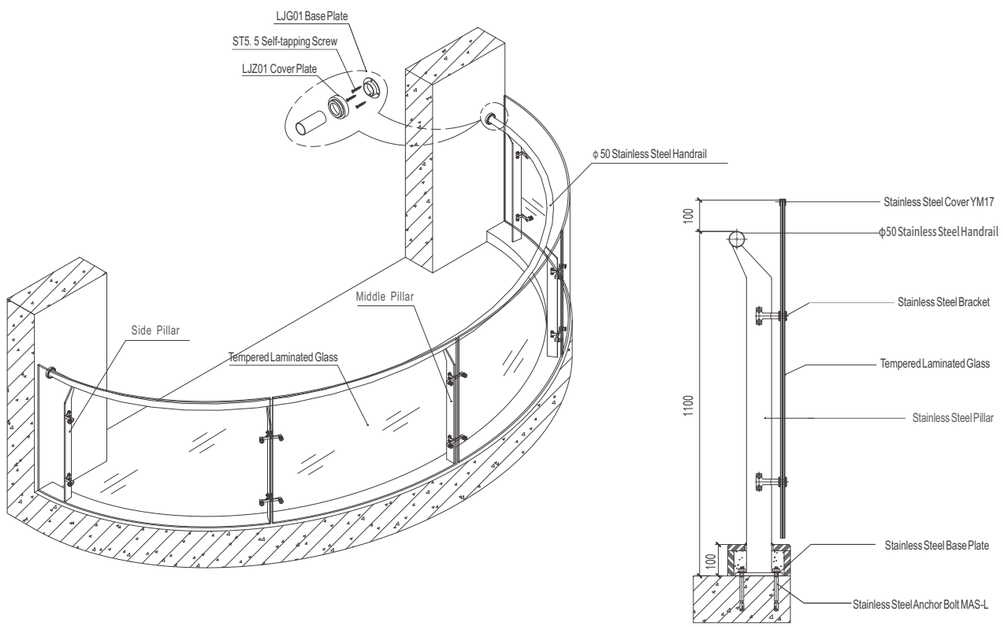
Single-plate Pillar:HLBD2

Material:304/316L
Plate Thickness:T=10mm
Surface Finish: Satin
Glass Thickness:12~17. 5mm



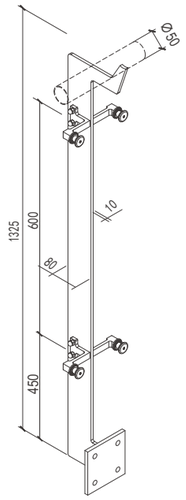
Product	Plate	Type Code	Quantity
	Pillar Body	HLBD2-T	1
	Bracket	LT02	4
	Cap Nut	DIN 1587 M8	8
	Threaded Rod	GB/T 15389 M8*45	4

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

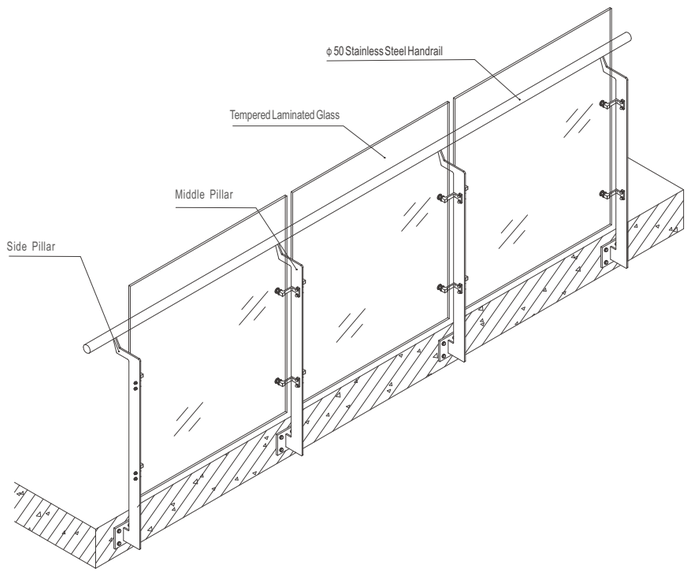


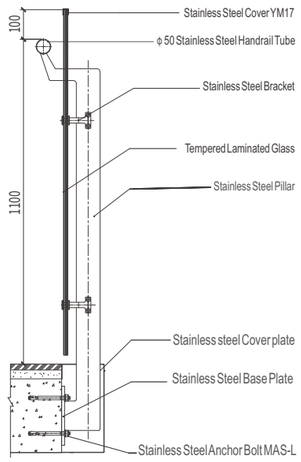
Single-plate Pillar:HLBD13

Material:304/316L
Plate Thickness:T=10mm
Surface Finish: Satin
Glass Thickness:12~17.5mm

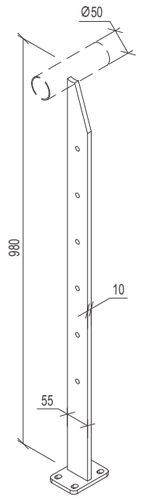


Bilateral Pillar: HLBD13-LT02M
Unilateral Pillar：HLBD13-LT02





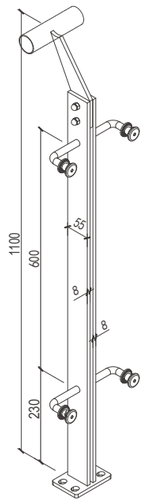
Single-plate Pillar:HLGD1

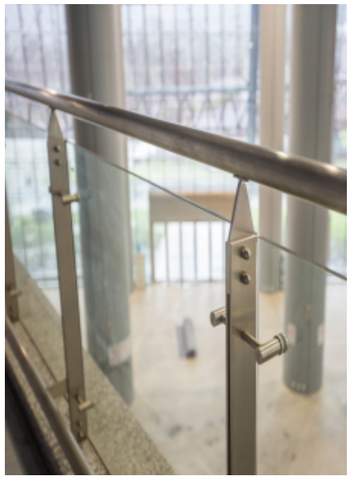


Material:304/316L
Plate Thickness:T=10mm
Surface Finish: Satin
Glass Thickness:Ø10

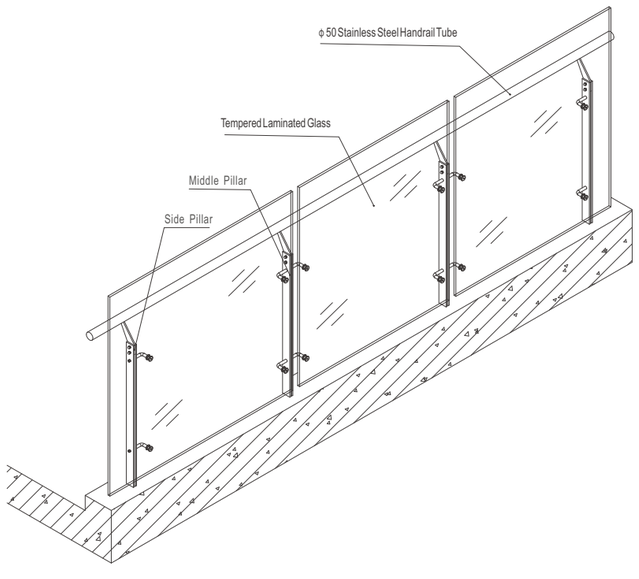
Double-plate Pillar:HLBS15

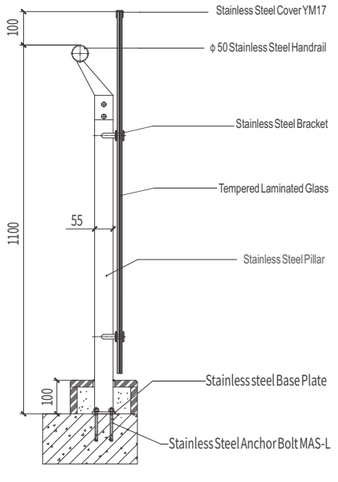
Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~17.5mm





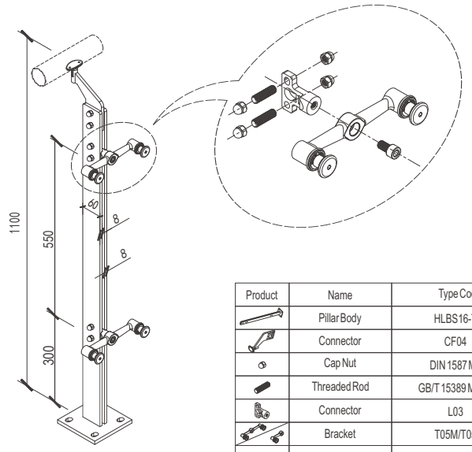
Middle Pillar: HLBS15-M
Side Pilalr:HLBS15-L/HLBS15-R





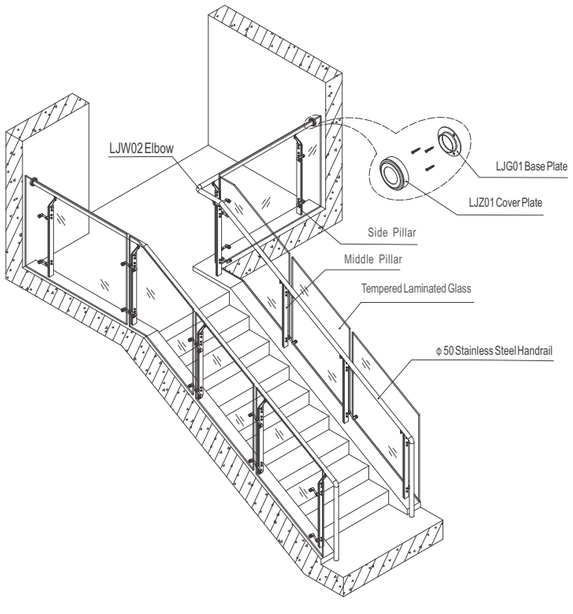
Double-plate Pillar: HLBS16

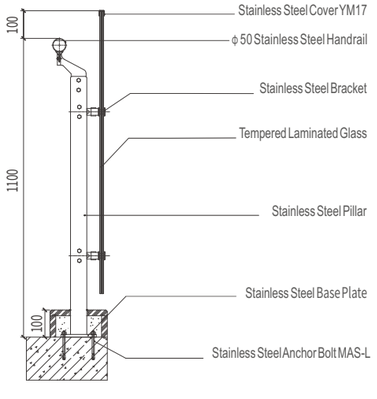
Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~17.5mm

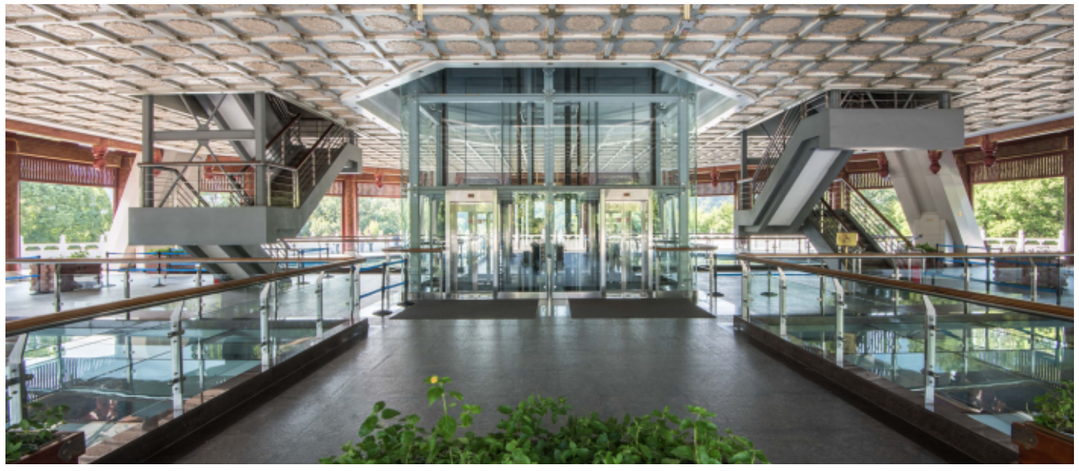


Product	Name	Type Code	Quantity
	Pillar Body	HLBS16-T	1
	Connector	CF04	1
	Cap Nut	DIN 1587 M8	12
	Threaded Rod	GB/T 15389 M8*45	6
	Connector	L03	2
	Bracket	T05M/T05	2
	Hexagon Socket Cap Screw	DIN 912 M10*16	2

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

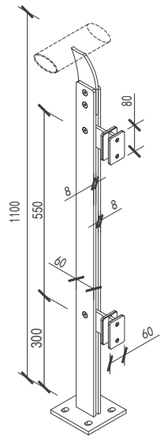


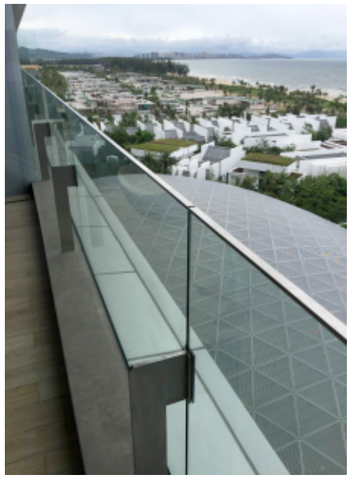


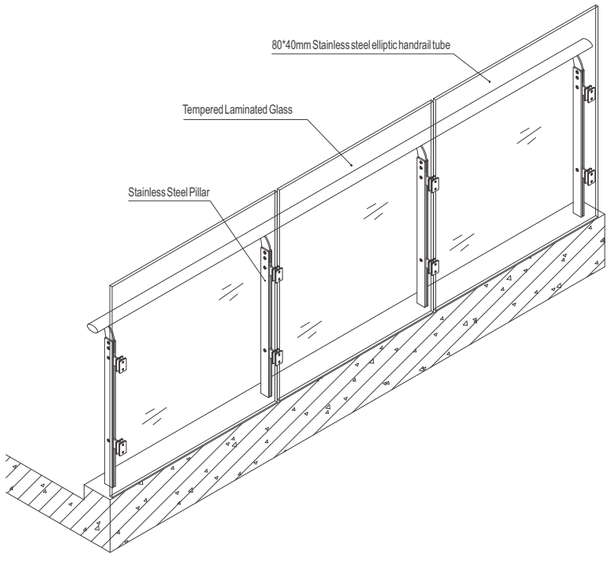


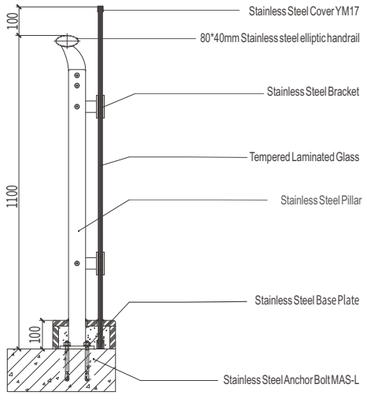
Double-plate Pillar: HLBS17

Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:13. 5~17.5mm



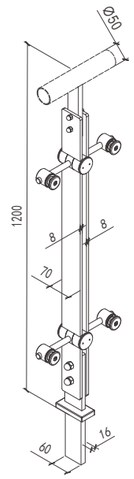


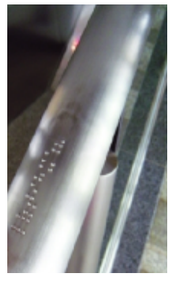


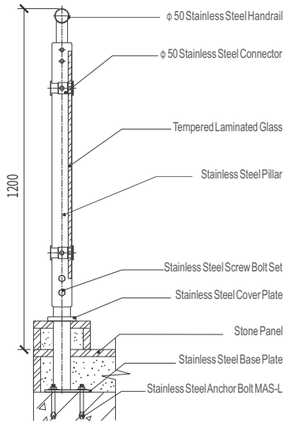


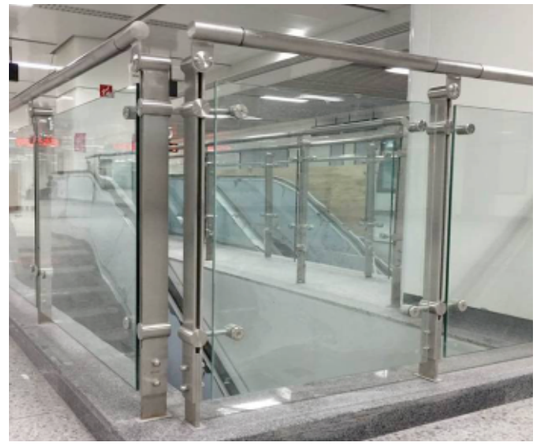
Double-plate Pillar: HLBS18

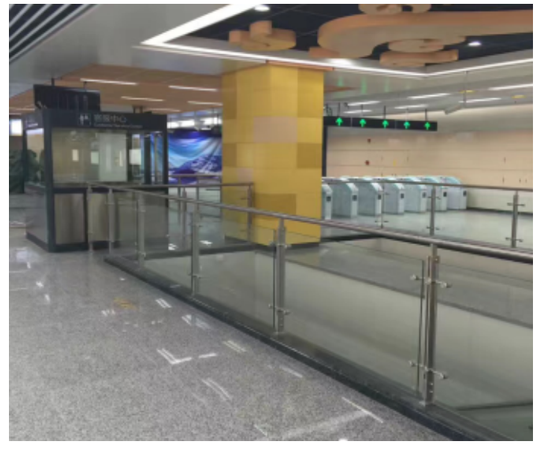
Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~17.5mm





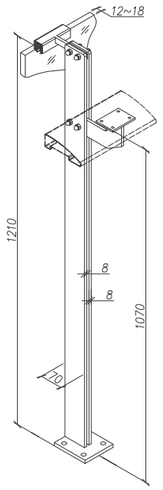


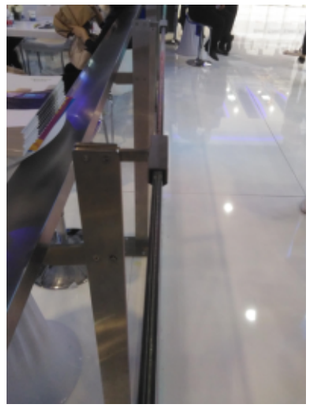


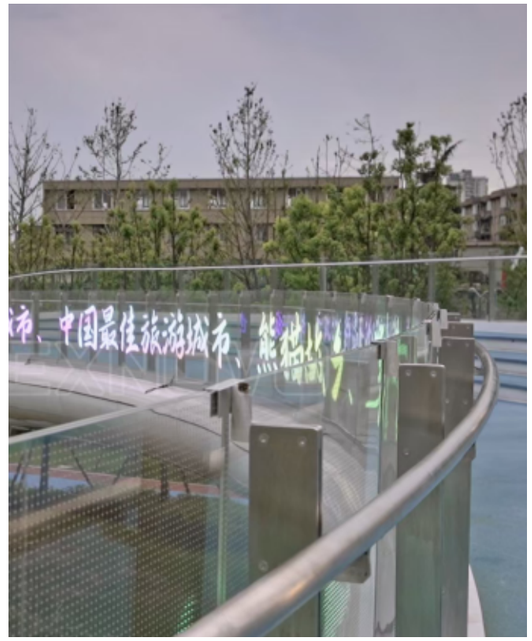


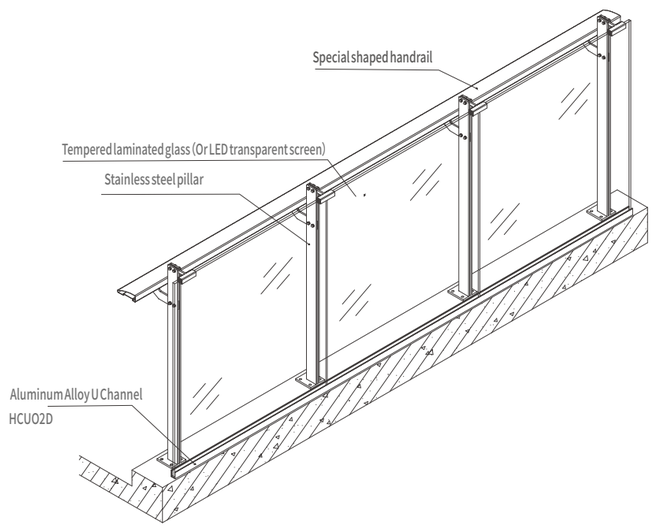
Double-plate Pillar: HLBS19

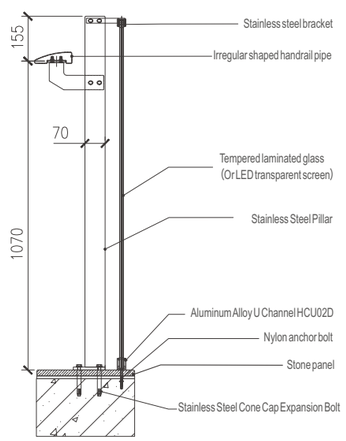
Material:304/316L
Plate Thickness:T=8mm
Surface Finish: Satin
Glass Thickness:12~18mm

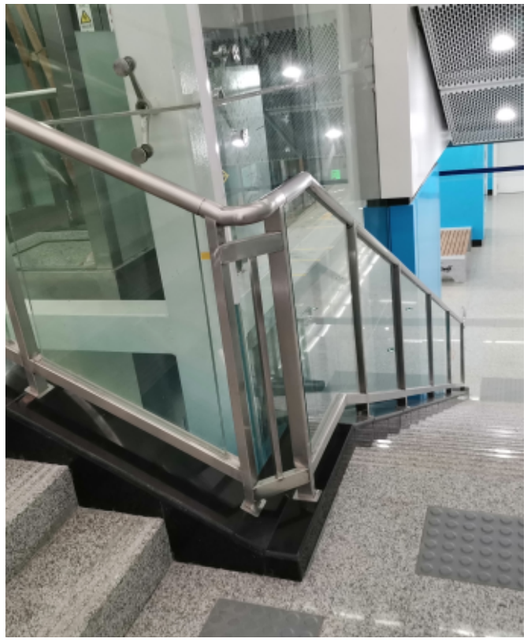






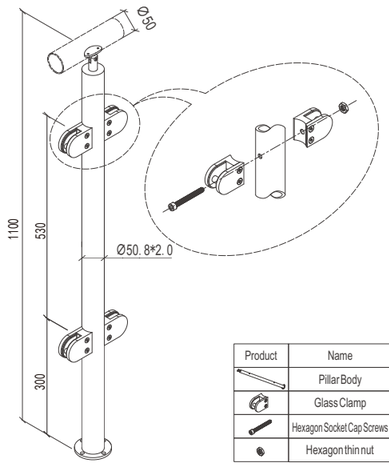






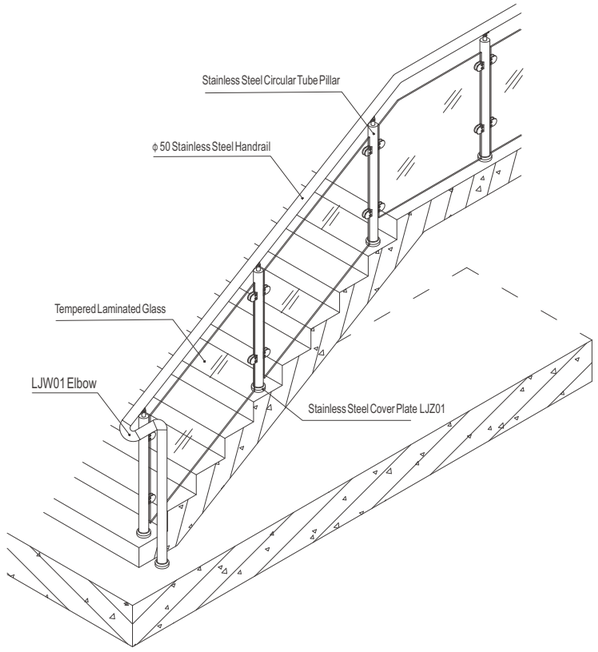
Circular Tube Pillar: HLBY1

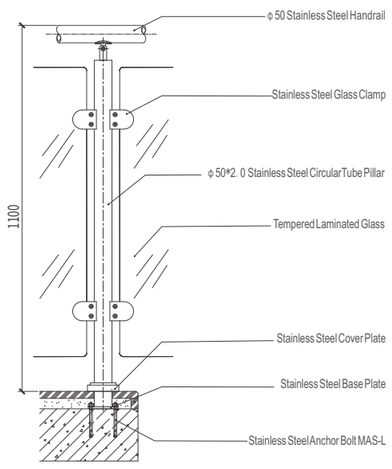
Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~17.5mm



Product	Name	Type Code	Quantity
	Pillar Body	HLBY1-B	1
	Glass Clamp	B04AF	4
	Hexagon Socket Cap Screws	DIN 912 M8*L	2
	Hexagon thin nut	GB/T 6172.1	2

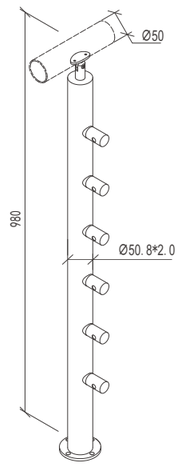
Middle Pillar:HLBY1-B04AFM
Side Pilalr:HLBY1-B04AF

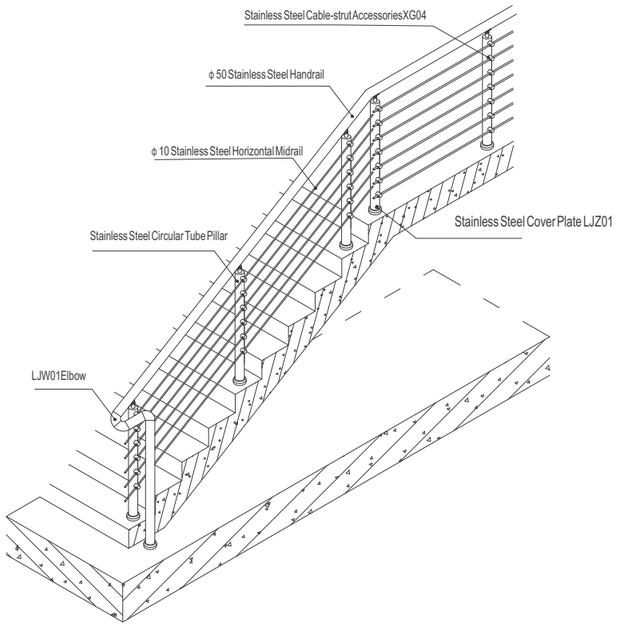


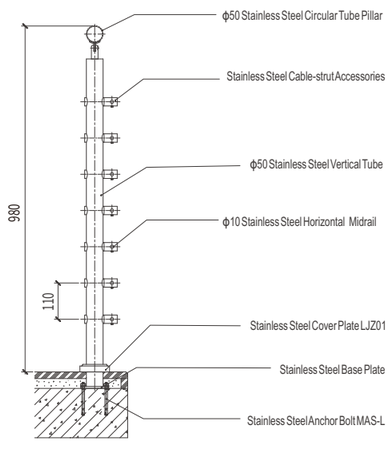


Circular Tube Pillar: HLGY1

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

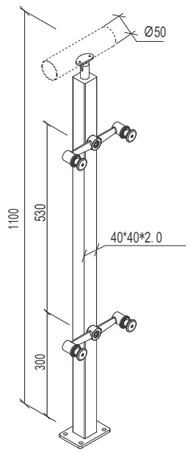




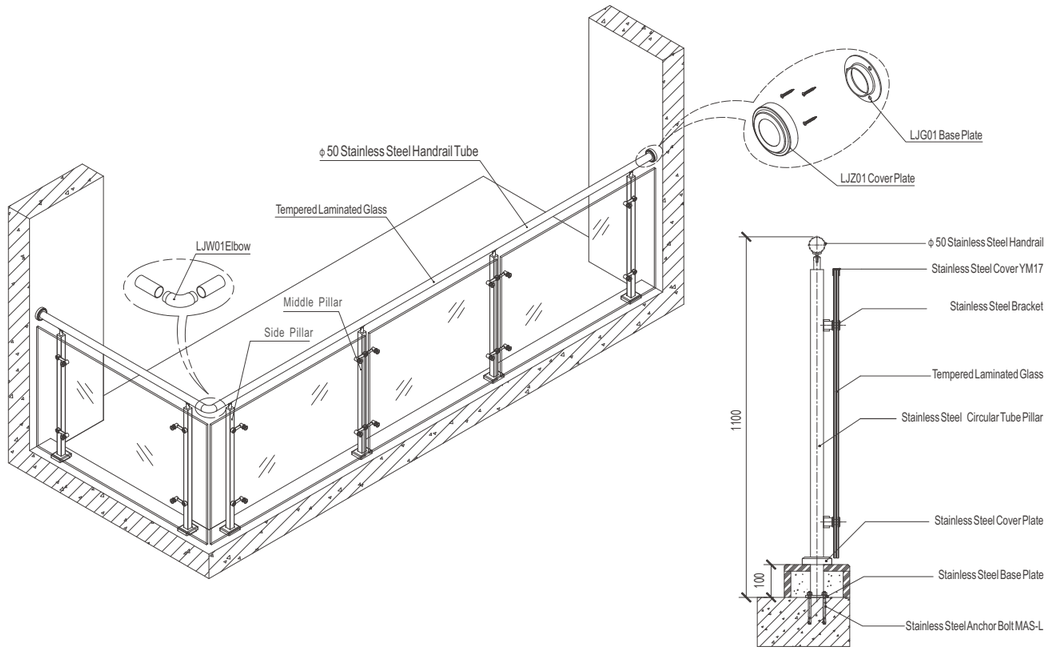


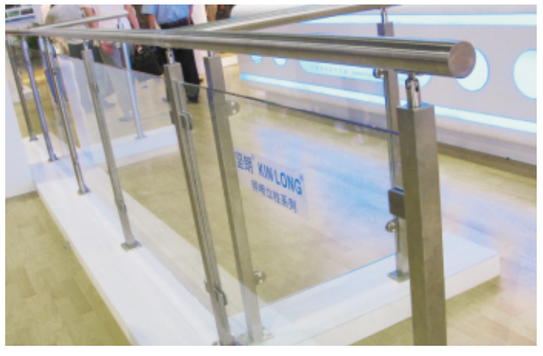
Square Tube Pillar: HLBF1

Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~17.5mm
Note: Cover Plate Not Included,
Can Be Ordered Separately

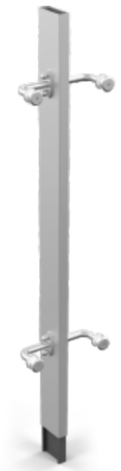


Middle Pillar:HLBF1-T10M(H01)
Side Pilalr:HLBF1-T10(H01)

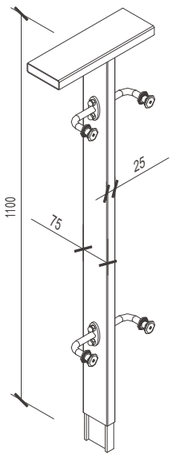


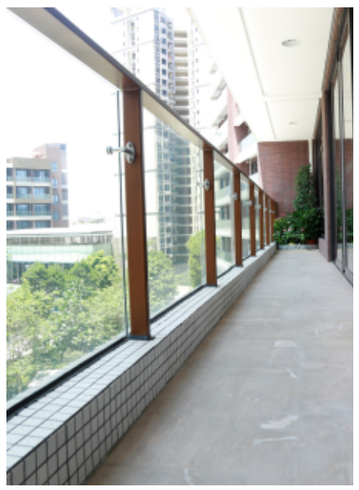


Rectangular Tube Pillar: HLBJ5

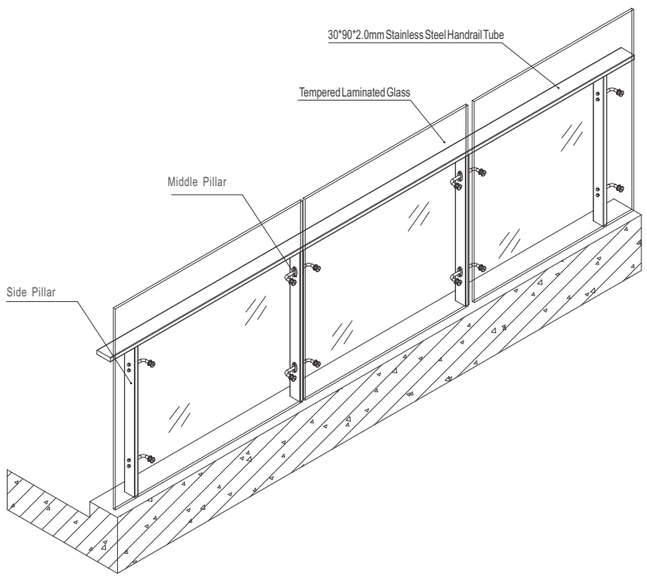


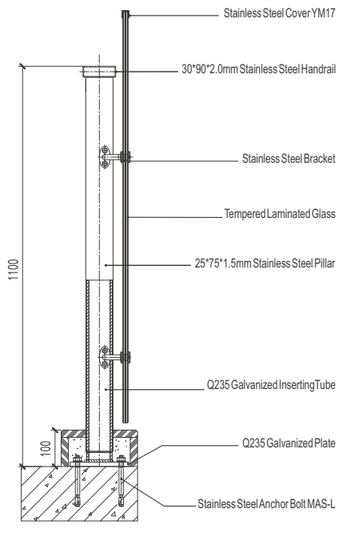
Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~18mm





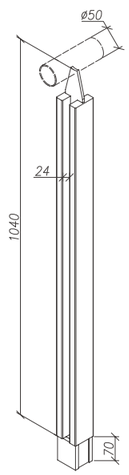
Middle Pillar:HLBJ5-LT14M
Side Pilalr:HLBJ5-LT14

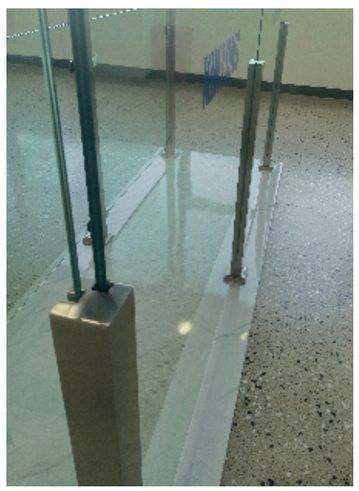


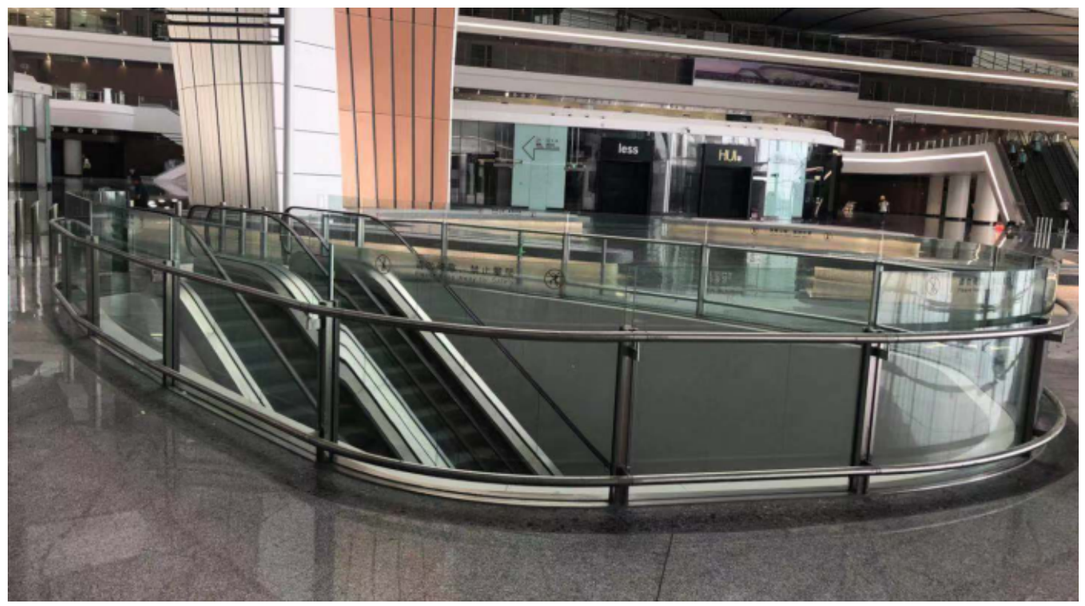


Groove section pillar HLBJ6

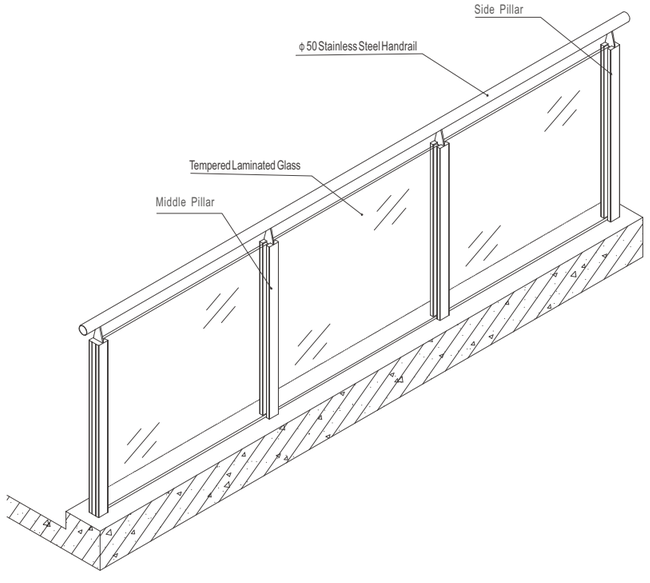
Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~18mm

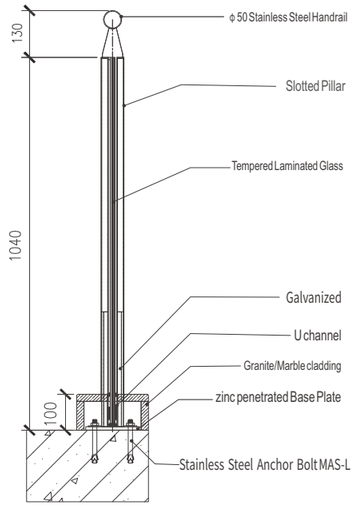


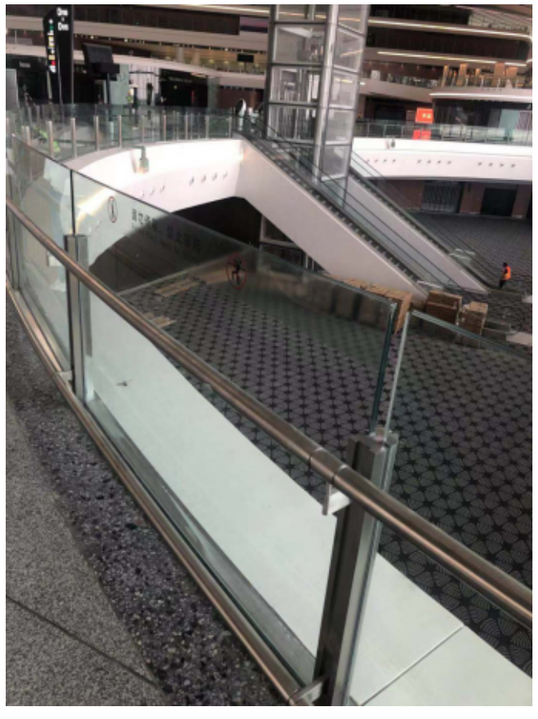




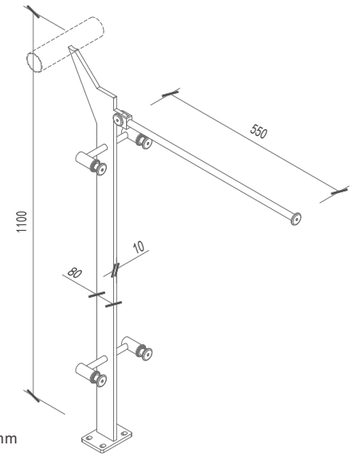
Middle Pillar: HLBJ6-M
Side Pilalr: HLBJ6-J







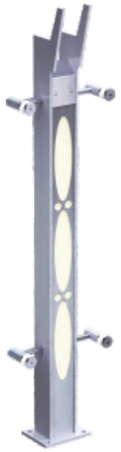
Flagpole Balustrade Pillar: HLQB1



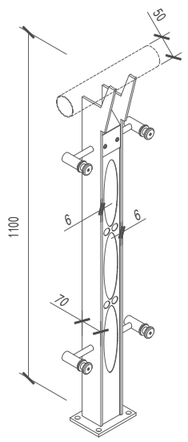
Material: 304/316L
Surface Finish: Satin
Glass Thickness: 12~17.5mm

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 simple and generous. It is convenient to change AD flag.

Light Lamp Pillar: HLMD2



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



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 Pilalr: HLMD2-LT01

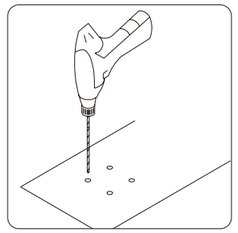
Installation Method for Stainless Steel Post Railing Product

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 opening size 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.

Setting-out Route and Drilling Hole



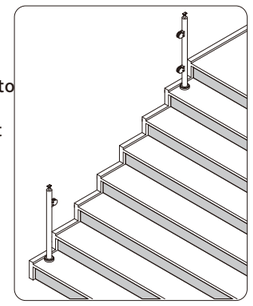
Install the Pillar

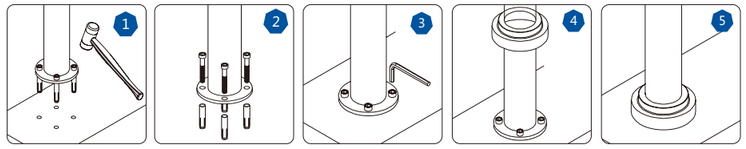
A: Install on the surface which have already finished the decoration: Place the bottom plate of the post on the drilled hole and fix it with chemical anchors or anchor bolts to make the post close to the ground.

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 Pillar

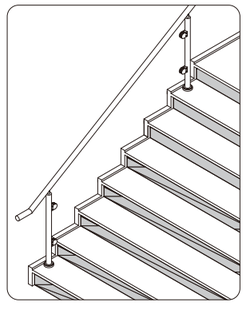




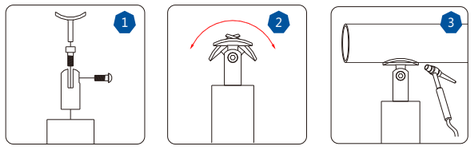
Install the Handrail

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.

Install the Handrail



Connection of handrail and pillar



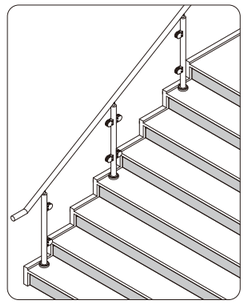
Connection of handrail and wall

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.

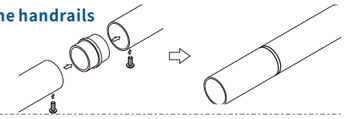
Step 4: install the middle pillar



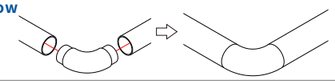
Connect handrail to handrail

① Seal the handrail pipes

② Positioning the handrails



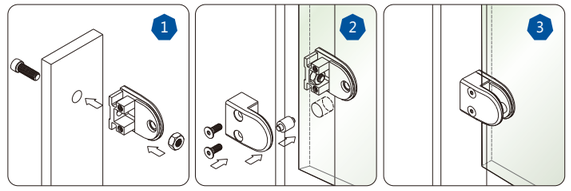
③ Connect the elbow



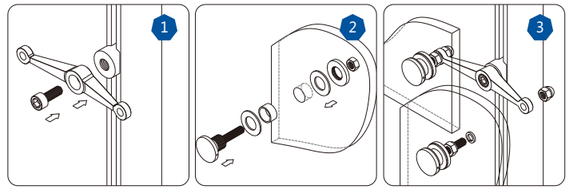
Install the Glass

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.

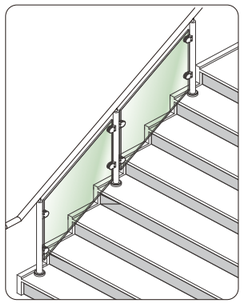
A: Fix glass with glass clamp



B: fix glass with spider



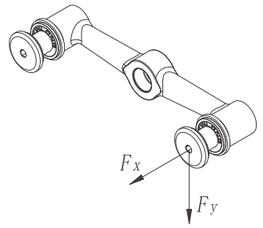
Step 5: install the glass



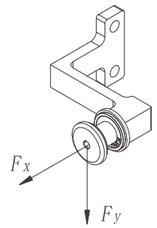
Inspection and Cleaning Protection

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.

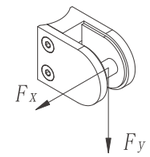
Calculation of axial and radial load for model selection



$n_x=2$
$n_y=2$



$n_x=1$
$n_y=1$



$n_x=1$
$n_y=1$

1、The weight of the glass panel

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

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 ($2.56*10^{-6}$ kg/mm³) ;
g - Acceleration of gravity (10 N/Kg) ;

2、Axial Force

$F_x=q*B*H/n_x$

F_x- The axial force for a single point (N) ;
q - Surface uniform load design value, mainly refers to the wind load (N/m^2) ;
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.

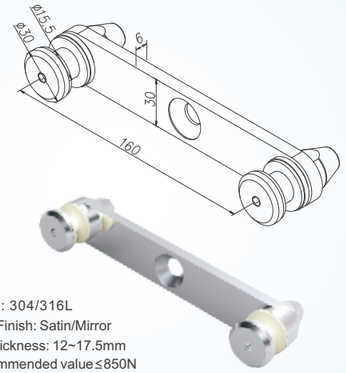
3、Radial Force

$F_y=1.2G_k/n_y$

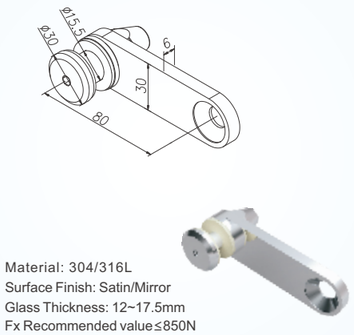
F_y- The radial force for a single point (N) ;
G_k- The weight of glass panel (N) ;
n_y- The quantity of bearing capacity points on y direction, see the above picture for details

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

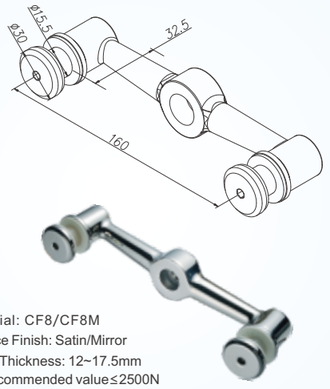
Front Fixing Balustrade Bracket



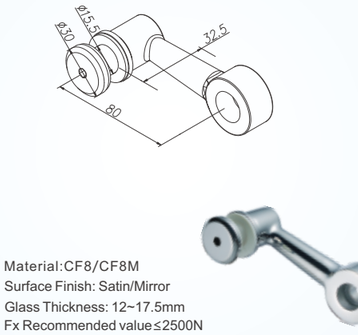
T01M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤850N
Fy Recommended value≤850N



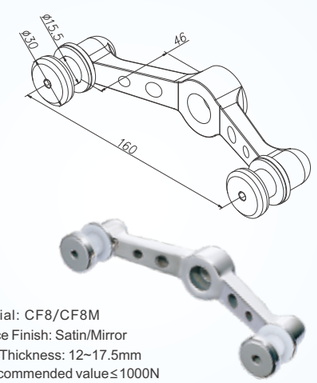
T01 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤850N
Fy Recommended value≤850N



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



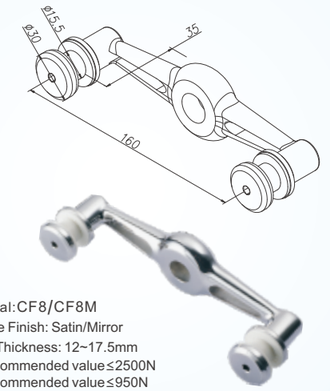
T05 Material:CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤1100N



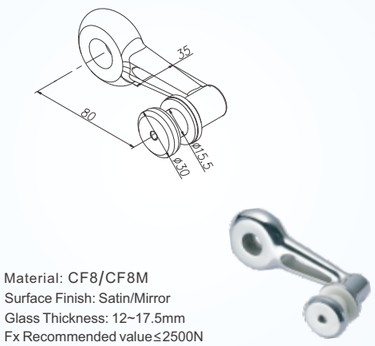
T06M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤750N

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

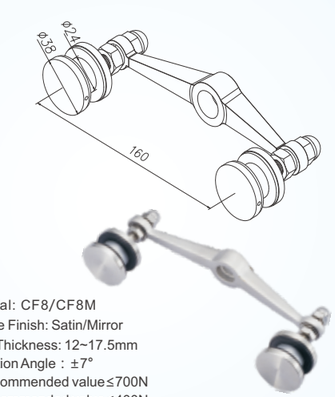
Front Fixing Balustrade Bracket



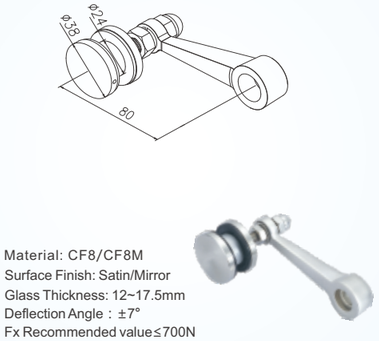
T07M Material:CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤950N



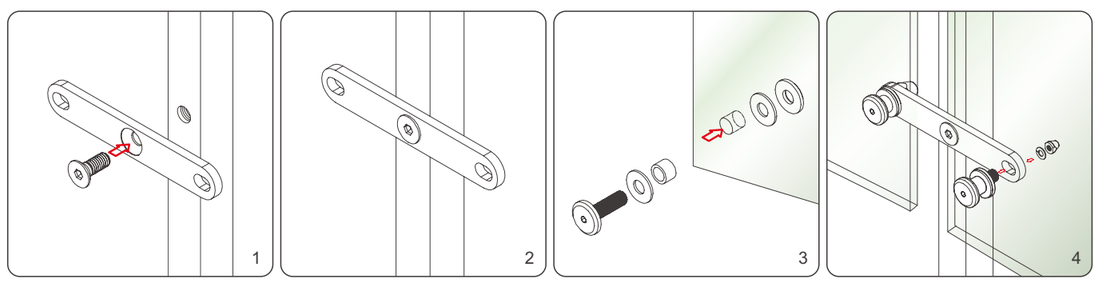
T07 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤950N



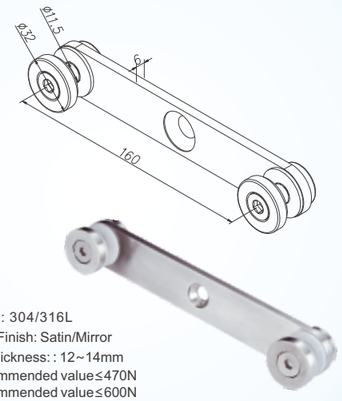
T08M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle：±7°
Fx Recommended value≤700N
Fy Recommended value≤400N



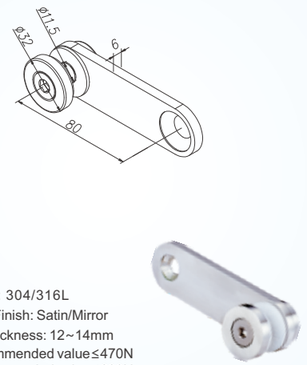
T08 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle：±7°
Fx Recommended value≤700N
Fy Recommended value≤400N



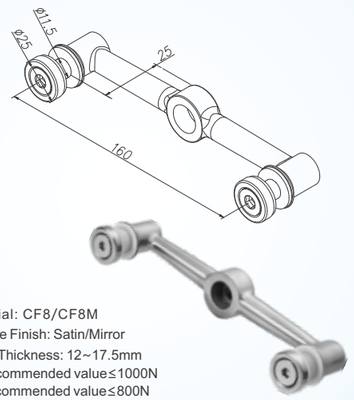
Front Fixing Balustrade Bracket



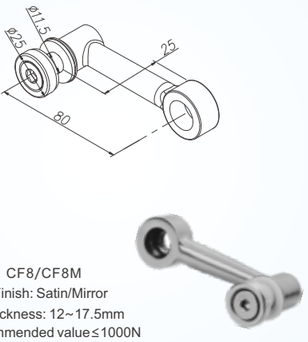
T09M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: : 12~14mm
Fx Recommended value≤470N
Fy Recommended value≤600N



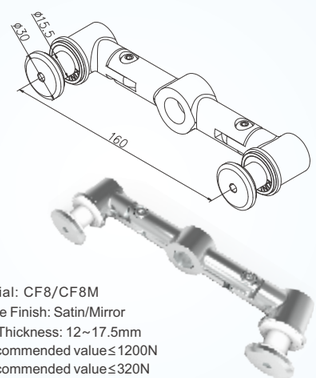
T09 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~14mm
Fx Recommended value≤470N
Fy Recommended value≤600N



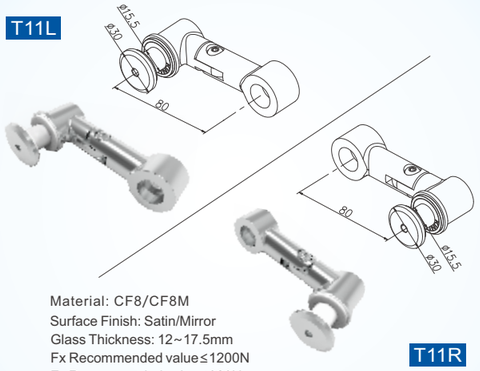
T10M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤800N



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



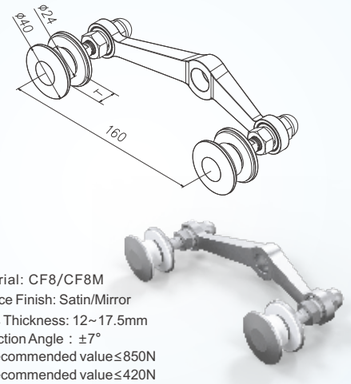
T11M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1200N
Fy Recommended value≤320N



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

T11R

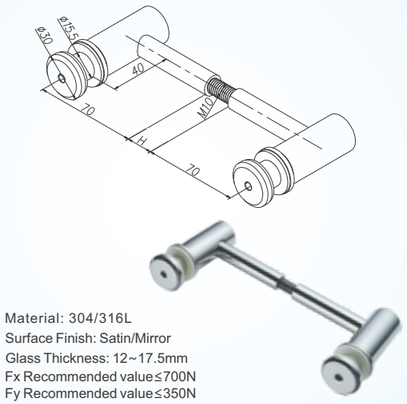
Front Fixing Balustrade Bracket



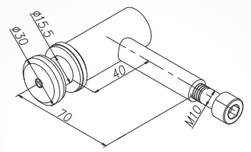
HJTD01M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Deflection Angle： ±7°
Fx Recommended value≤850N
Fy Recommended value≤420N

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

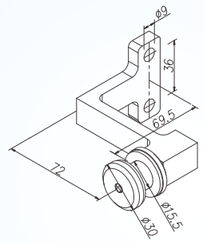
Side Fixing Balustrade Bracket



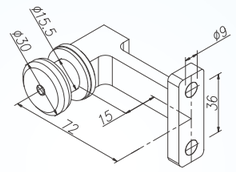
LT01M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤700N
Fy Recommended value≤350N



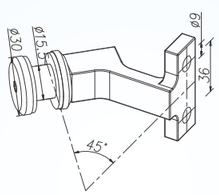
LT01 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤700N
Fy Recommended value≤350N



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

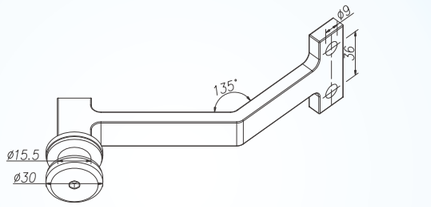


LT03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1000N
Fy Recommended value≤1200N

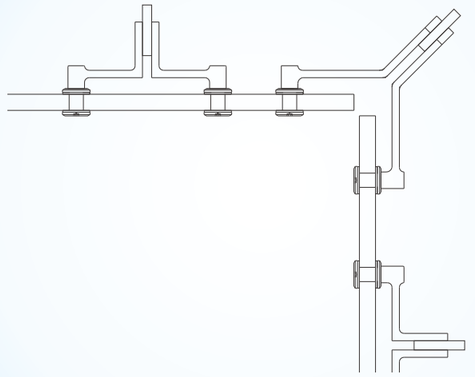


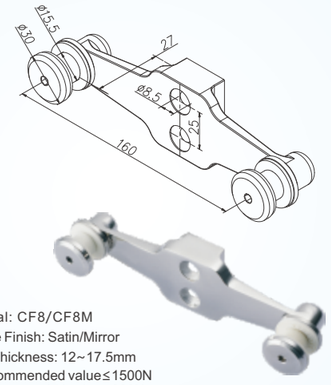
LT04 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤2500N
Fy Recommended value≤1500N

Side Fixing Balustrade Bracket

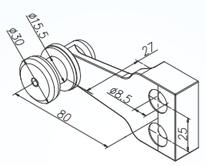


LT05 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤150N
Fy Recommended value≤250N





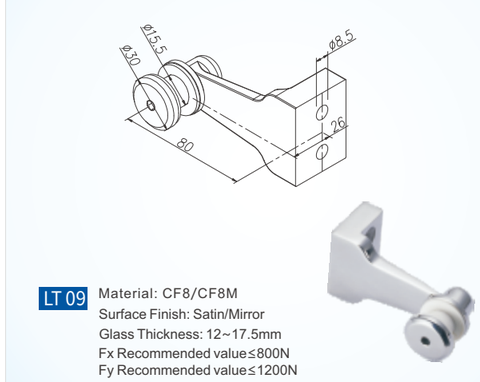
LT06M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1500N
Fy Recommended value≤380N



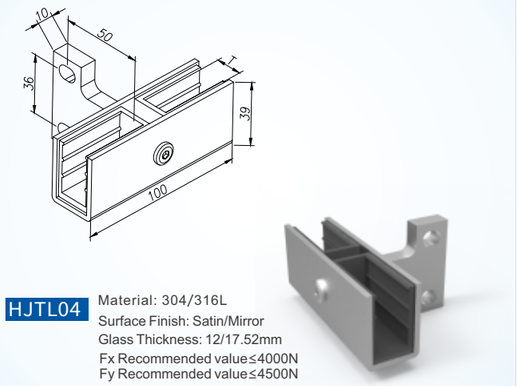
LT06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1500N
Fy Recommended value≤380N

Side Fixing Balustrade Bracket

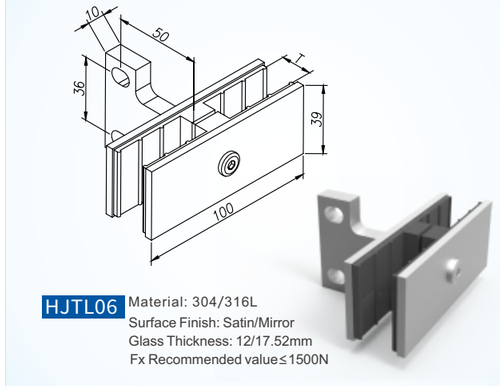
LT08 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤650N
Fy Recommended value≤1200N



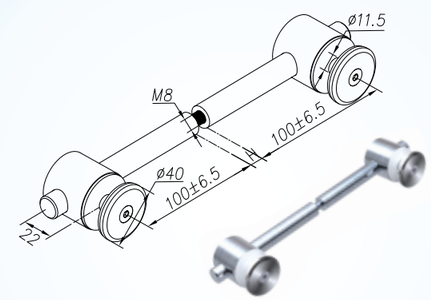
LT 09 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤800N
Fy Recommended value≤1200N



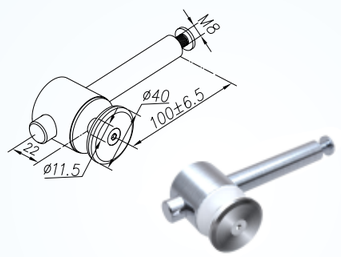
HJTL04 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12/17.52mm
Fx Recommended value≤4000N
Fy Recommended value≤4500N



HJTL06 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12/17.52mm
Fx Recommended value≤1500N

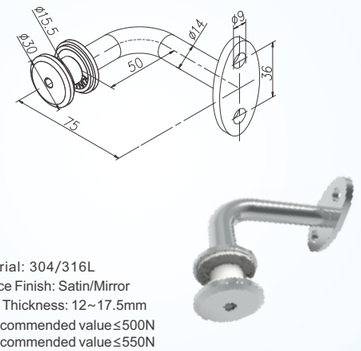


HJTL02M Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤560N
Fy Recommended value≤350N

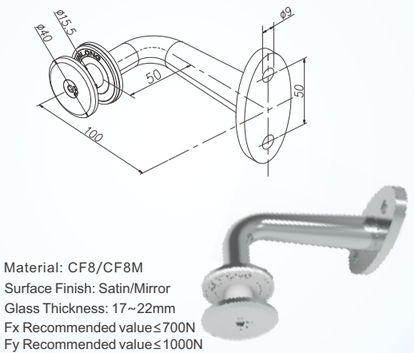


HJTL02 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤560N
Fy Recommended value≤350N

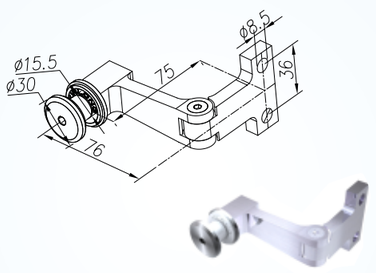
Side Fixing Balustrade Bracket



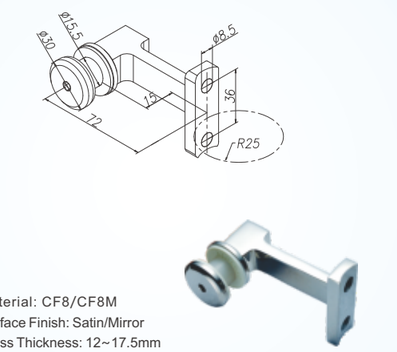
LT14 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤500N
Fy Recommended value≤550N



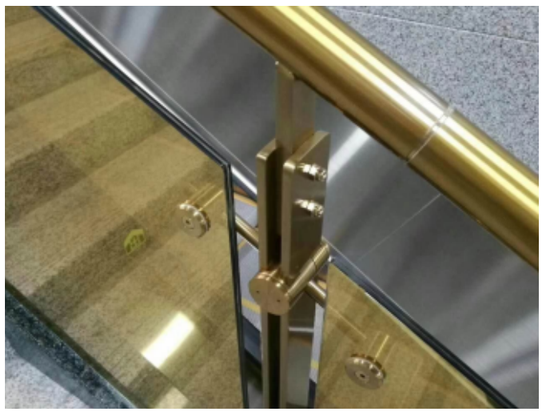
LT15 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 17~22mm
Fx Recommended value≤700N
Fy Recommended value≤1000N



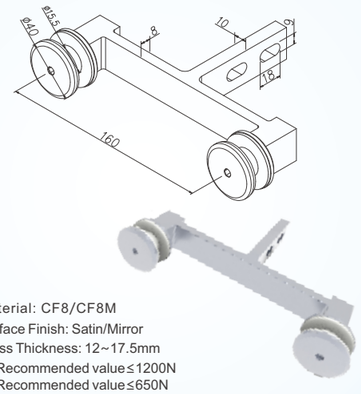
HJTL03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤450N
Fy Recommended value≤500N



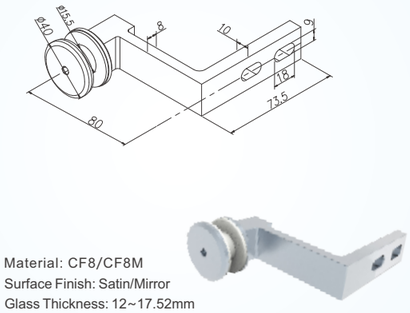
LT17 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤900N
Fy Recommended value≤1200N



Side Fixing Balustrade Bracket



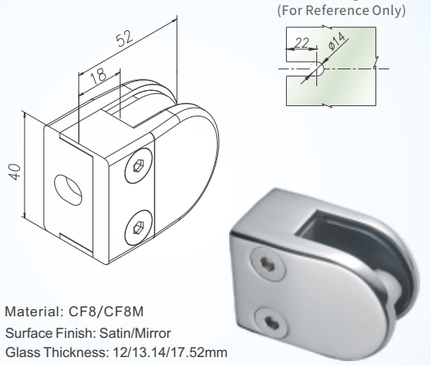
LT19M Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm
Fx Recommended value≤1200N
Fy Recommended value≤650N



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

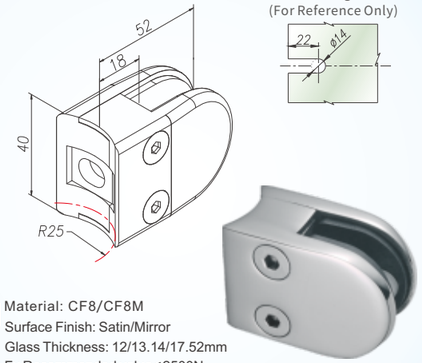
Glass Clamp

Glass cutting Illustration
(For Reference Only)



B03AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2500N
Fy Recommended value≤1900N

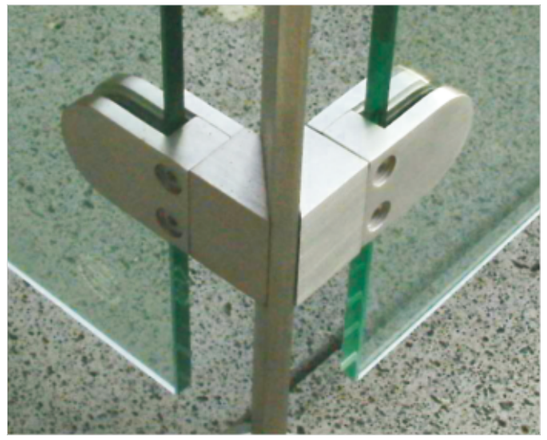
Glass cutting Illustration
(For Reference Only)



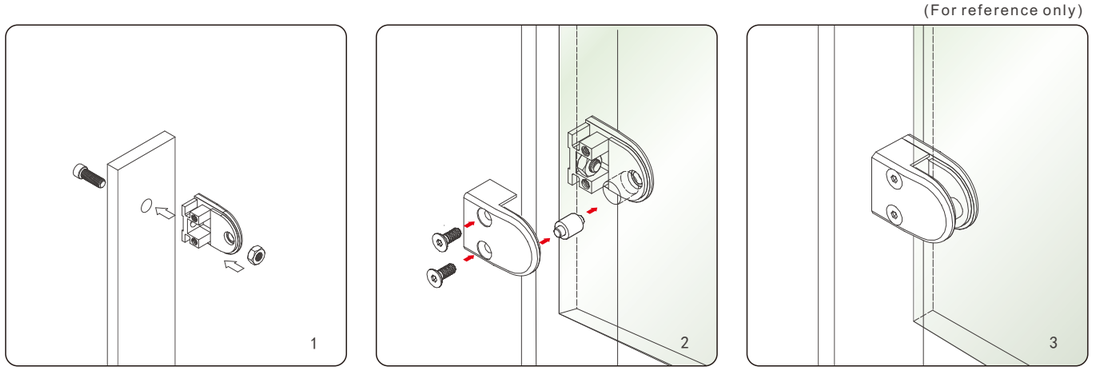
B03AF Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2500N
Fy Recommended value≤1900N

Glass drilling Illustration
(For reference only)

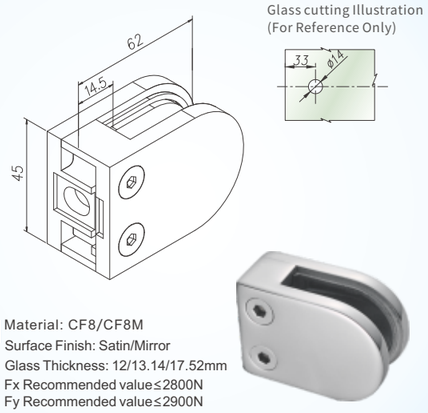
HJBJ01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1900N
Fy Recommended value≤1500N



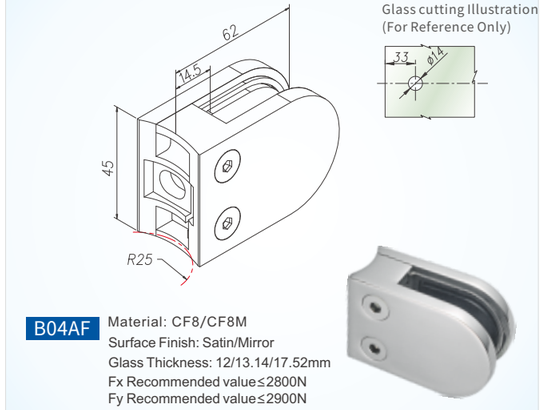
Installation Instruction
(For reference only)



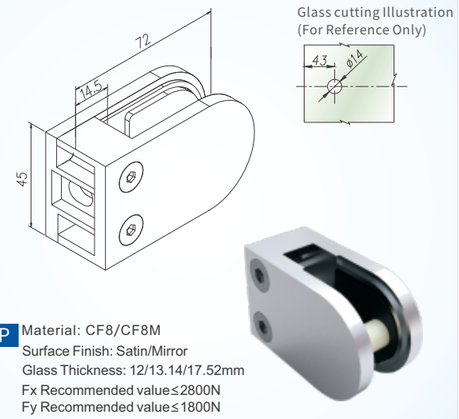
Glass Clamp



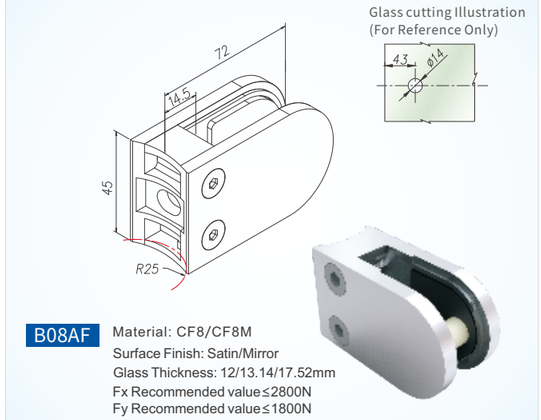
B04AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤2900N



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

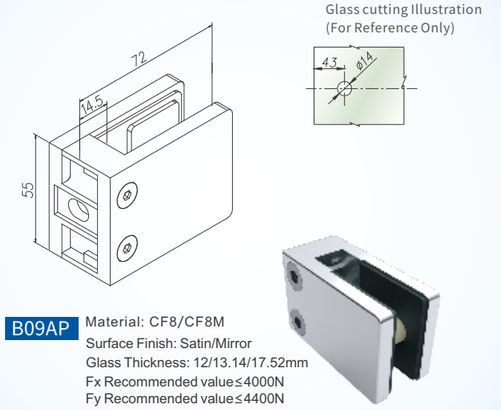


B08AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤1800N

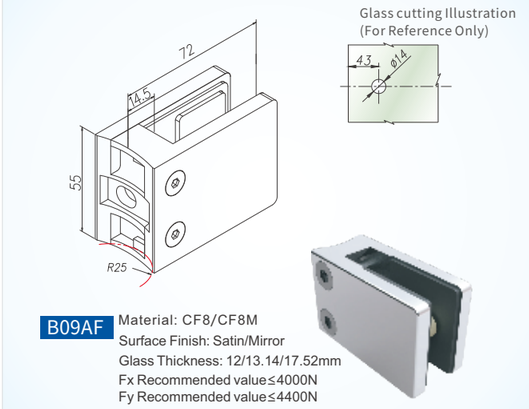


B08AF Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤2800N
Fy Recommended value≤1800N

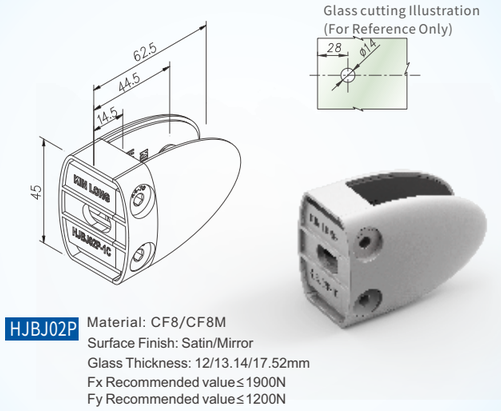
Glass Clamp



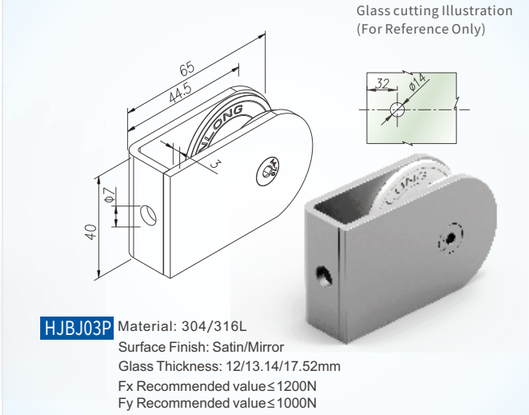
B09AP Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤4000N
Fy Recommended value≤4400N



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

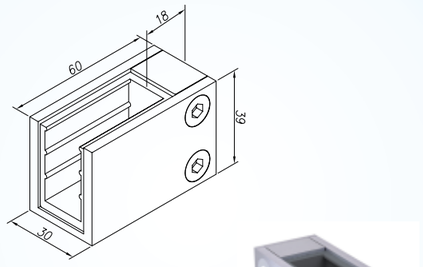


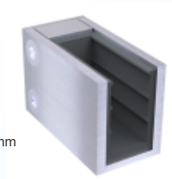
HJBJ02P Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1900N
Fy Recommended value≤1200N



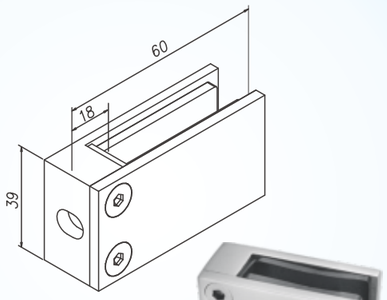
HJBJ03P Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤1200N
Fy Recommended value≤1000N

Glass Clamp

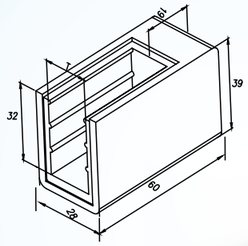


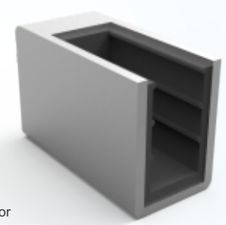


HJBC01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤5000N
Fy Recommended value≤10000N

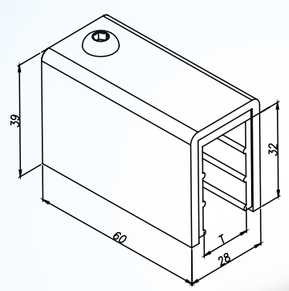


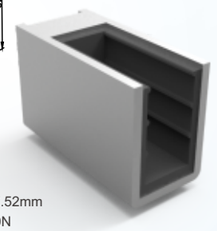
CB03AP (Without Base Support and Pin) Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤600N





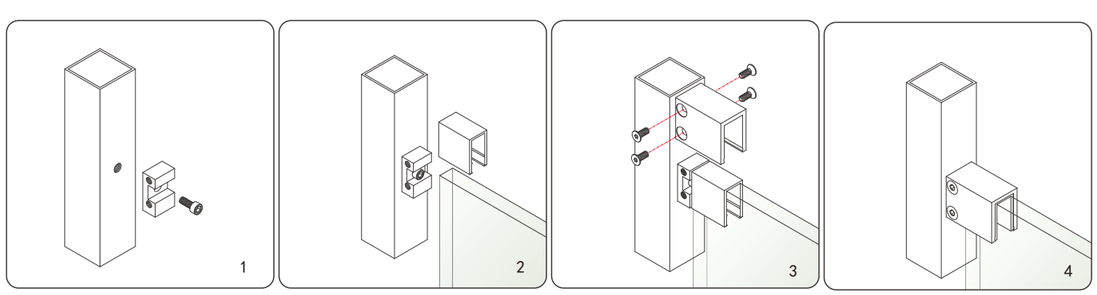
INP101 Material: 304L
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤3000N
Fy Recommended value≤4000N



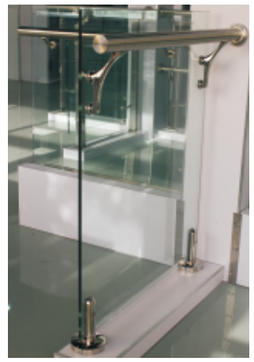


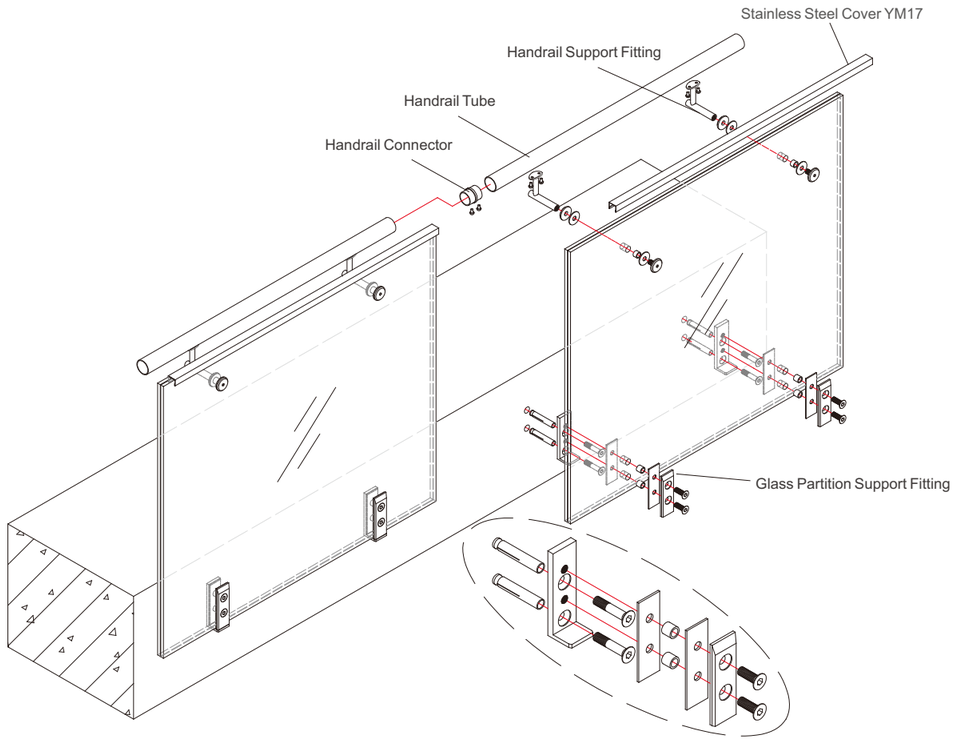
INP102 Material304L
Surface Finish: Satin/Mirror
Glass Thickness: 12/13.14/17.52mm
Fx Recommended value≤900N

Supporting Type Clamp
Installation Instruction

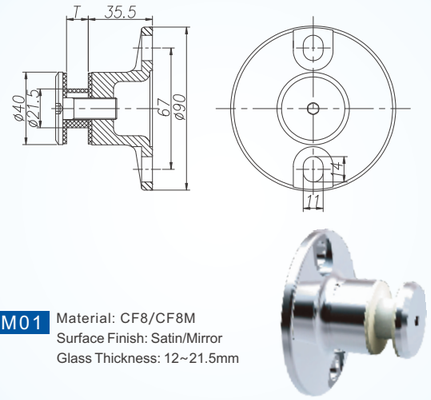


Glass Support Fitting Series

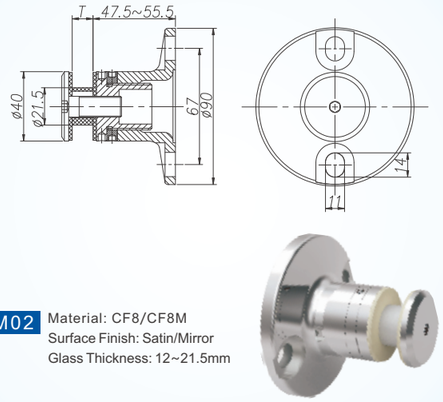




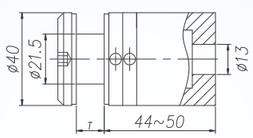
Glass Partition Support Fitting



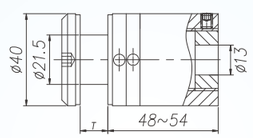
YM01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



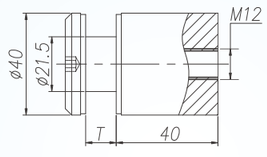
YM02 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm

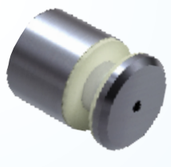


YM03 Material:304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm

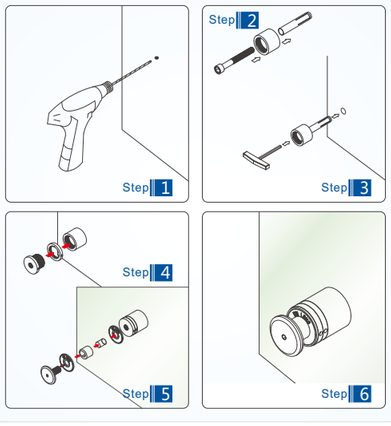


YM03A Material:304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm

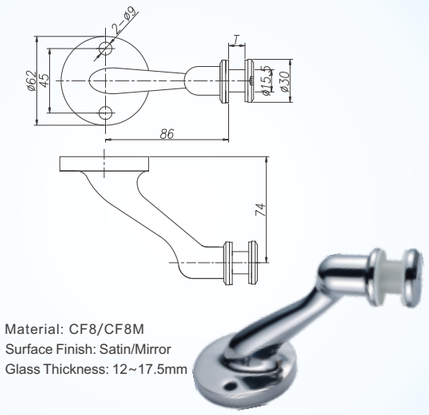




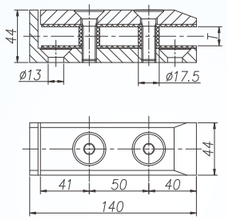
YM03B Material:304/316
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm

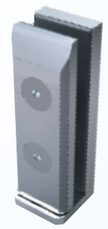


Glass Partition Support Fitting

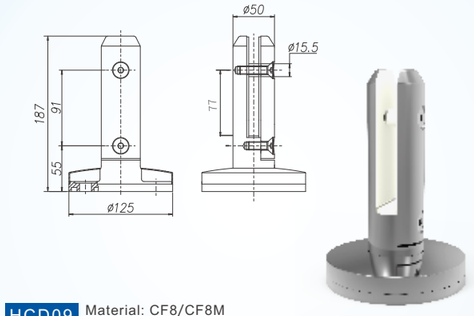


YM06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm

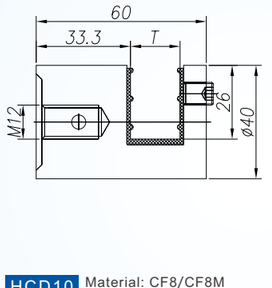


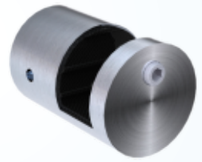


YM10 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



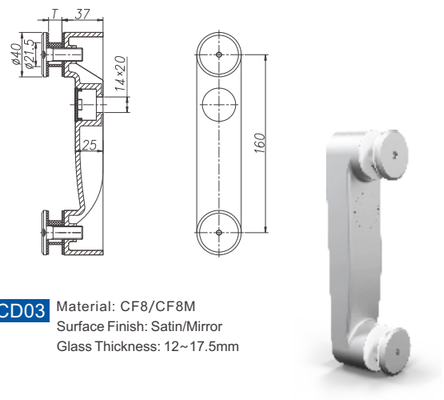
HCD09 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



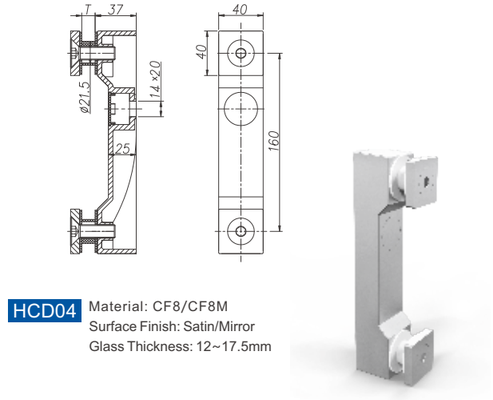


HCD10 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm

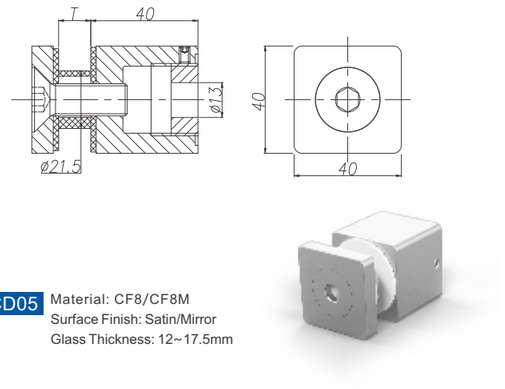
Glass Partition Support Fitting



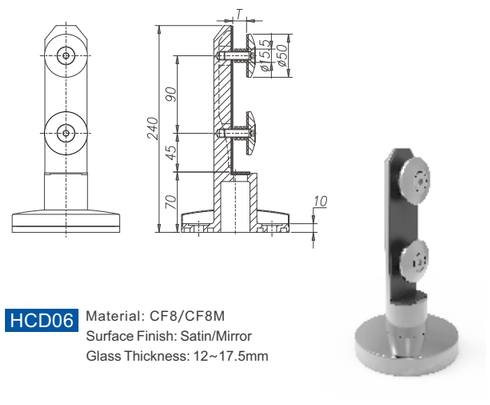
HCD03 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



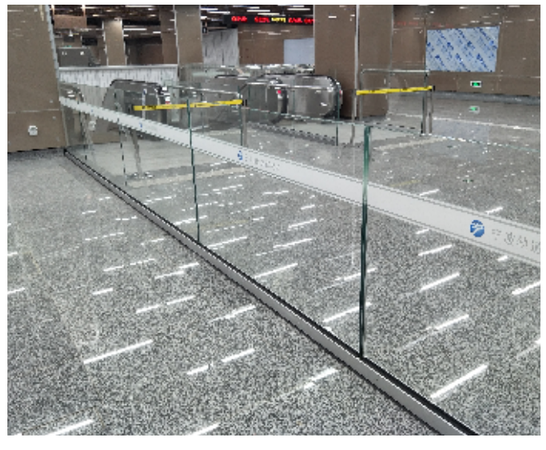
HCD04 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



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

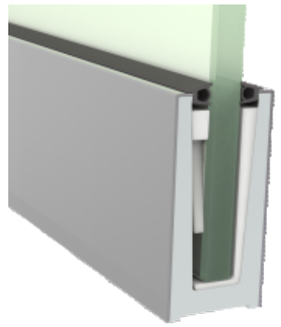


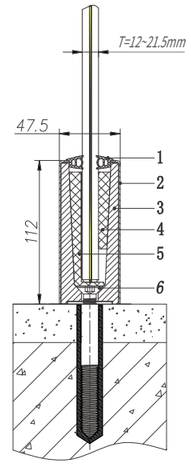
HCD06 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



Aluminum Alloy U Channel

YM21A





(Excluding anchor bolt)

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≤5700mm

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

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

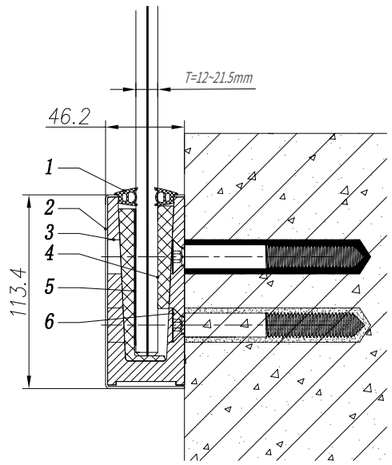
Countersunk Screw Nut Rod
(CAM-D-10C)
Material: 304+Q345B
Quantity:4 pcs/m
Note: Anchor Adhesive Not Included , Please Contact Anchor Dept for Anchor Adhesive (CAM-500)

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

Installation Instruction

Aluminum Alloy U Channel

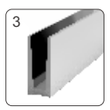
YM21B



(Excluding anchor bolt)

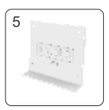
Gasket
(HJT01-1/-2/-3)
Material: EPDM

Cover Plate
(YM21B1-3A)
Material: 304/316L
Surface Finish: Satin/Mirror
Length: L≤3000mm



U channel
(YM21B1-1)
Material:6063-T6
Glass Thickness:13.5-21.5mm
Length :L≤5700mm

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

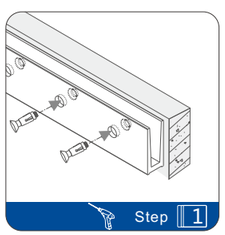


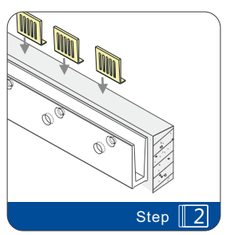
Shim
(YM21-1)
Material: ABS
Quantity:4 pcs/m

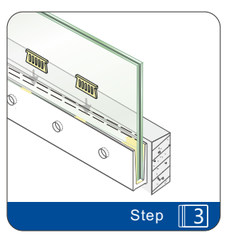
Countersunk Screw Nut Rod
(CAM-D-10C)
Material: 304+Q345B
Quantity:4 pcs/m
Note: Anchor Adhesive Not Included , Please Contact Anchor Dept for Anchor Adhesive (CAM-300)

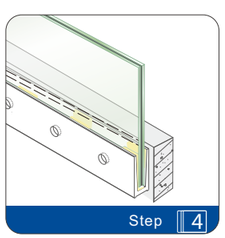
End cap
(YM21A1-4)
Material: 304/316L
Surface Finish: Satin/Mirror

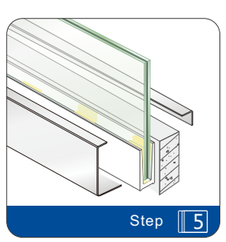
Installation Instruction





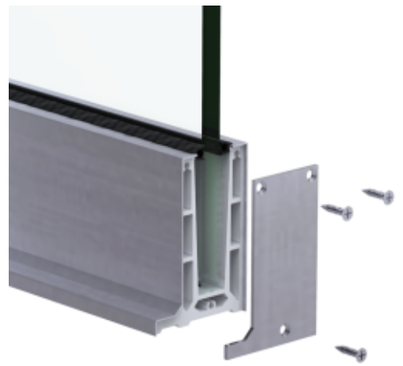


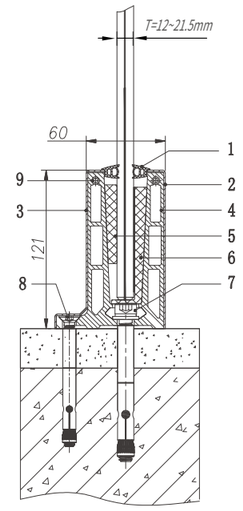




Aluminum Alloy U Channel

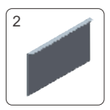
HCU01



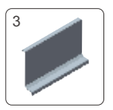


(Excluding anchor bolt)

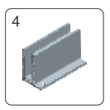
Gasket
(HJT01-1/-2/-3)
Material: EPDM



Back Cover Plate
(HCU01A1-3)
Material: 304/316L
Surface Finish: Satin/Mirror
Length: L≤3000mm

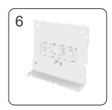


Front Cover Plate
(HCU01A1-2)
Material: 304/316L
Surface Finish: Satin/Mirror
Length: L≤3000mm



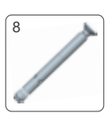
U-Channel Accessories
(HCU01A1-1)
Material: 6063-T6
Glass Thickness:13.5-21.5mm
Length :L≤5700mm

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



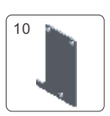
Shim
(YM21-1)
Material: ABS
Quantity:4 pcs/m

Cylinder Head Expansion Bolt
(SZP-Y-M10)
Material: Stainless Steel
Quantity: 4 pcs/m.



Countersunk Socket Head Expansion Bolt
(SZP-C-M8)
Material: Stainless Steel
Quantity: 4 pcs/m.

Self-tapping Screw
(GB/T 845 ST5.5)
Material: Stainless Steel

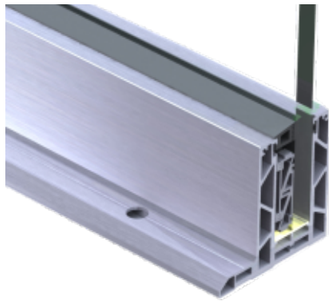


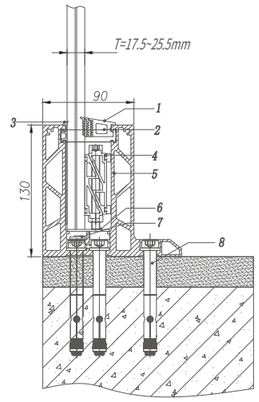
End Cap
(HCU01A1-4)
Material: 304/316L
Surface Finish: Satin/Mirror

End Cap
(HCU01A1-5)
Material: 304/316L
Surface Finish: Satin/Mirror

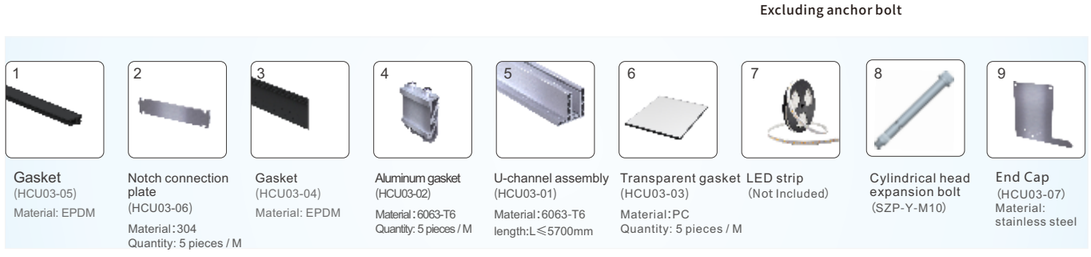
Aluminum Alloy U Channel

HCU03

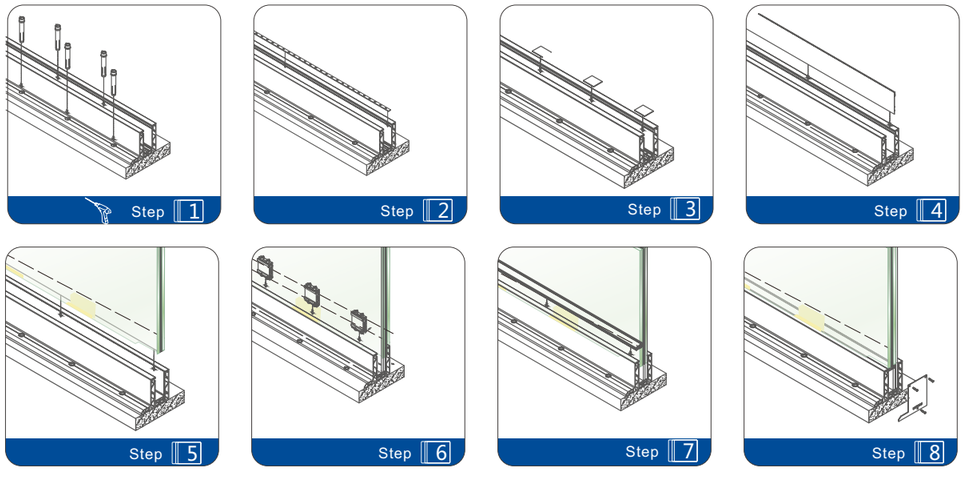




Excluding anchor bolt

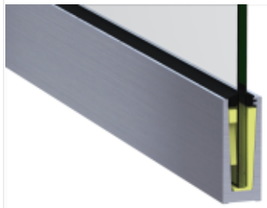


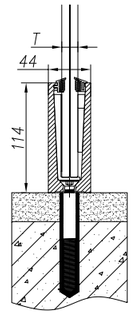
Installation Instruction



Aluminum Alloy U Channel

INS501

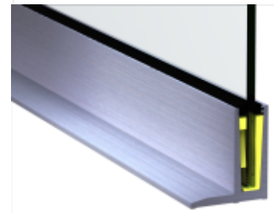


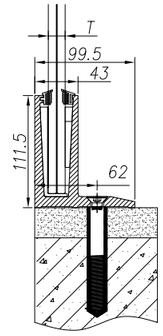


Main material:6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thicknessT: 12~17.5 mm
length:L≤5700mm

(Anchor Bolts Not Included)

INS502

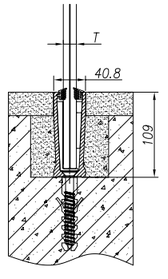




Main material:6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thicknessT: 12~17.5 mm
length:L≤5700mm

(Anchor Bolts Not Included)

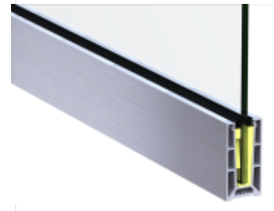
INS503

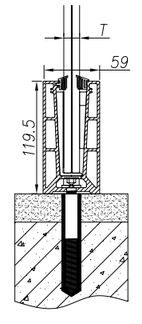


Main material:6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thicknessT: 12~17.5 mm
length:L≤5700mm

(Anchor Bolts Not Included)

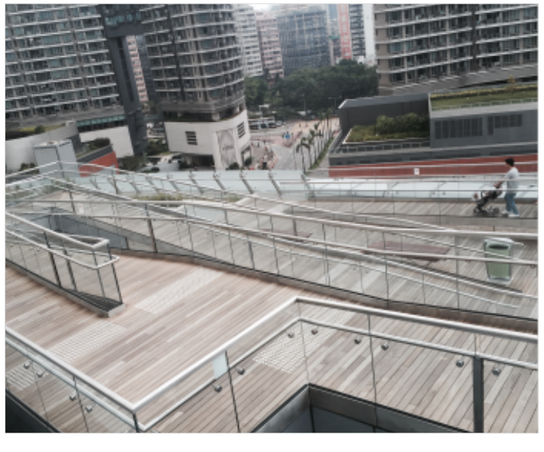
INS504



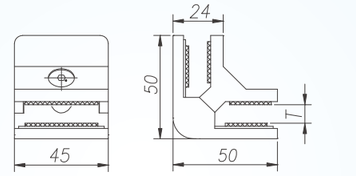


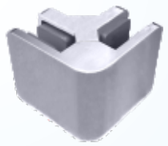
Main material:6063-T6
Surface treatment: fine sand silver white anodizing treatment
Glass thicknessT: 12~17.5 mm
length:L≤5700mm

(Anchor Bolts Not Included)

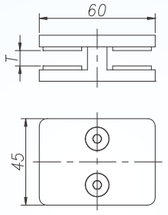


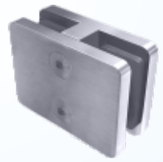
Glass Connector



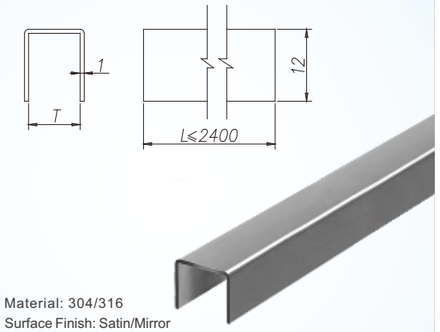


YM15 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 8~12mm

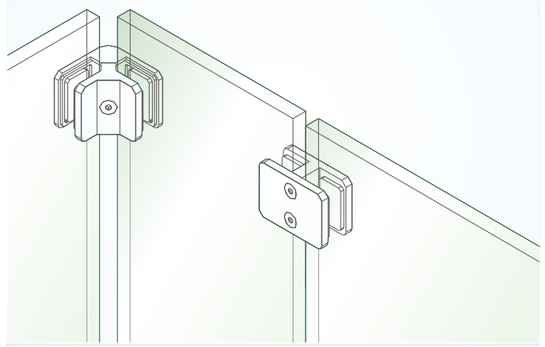


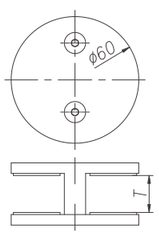


YM16 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 8~12mm

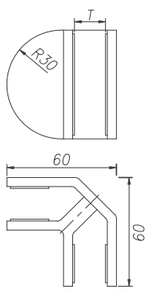


YM17 Material: 304/316
Surface Finish: Satin/Mirror
Glass Thickness: Customized by actual glass thickness





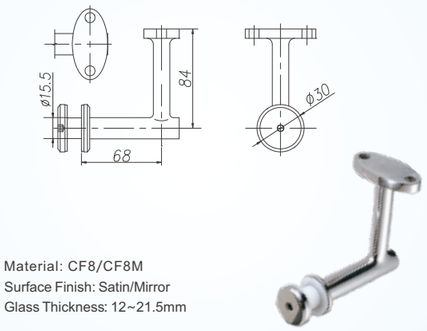
HCL01 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 13.5~17.5mm



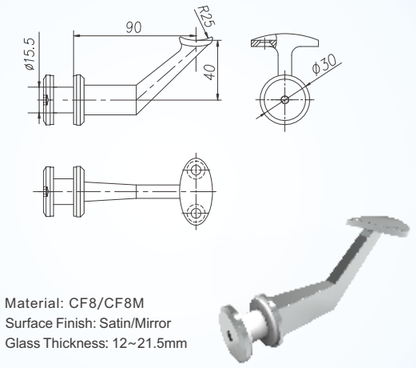
HCL02 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 13.5~17.5mm

Handrail Fitting Series

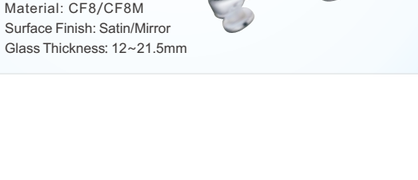
Handrail Supporting (Glass)



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

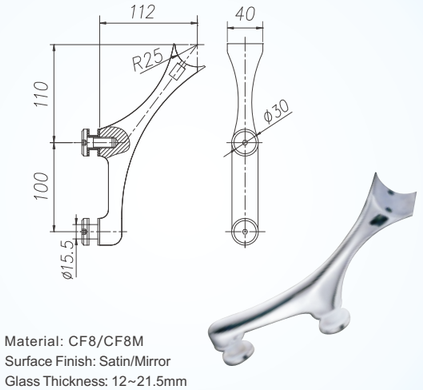


ZCF05 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



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

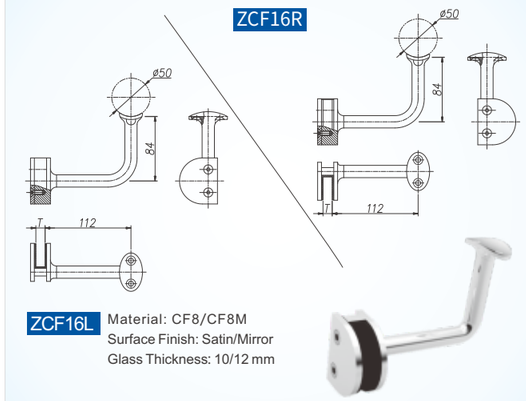
ZCF07 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



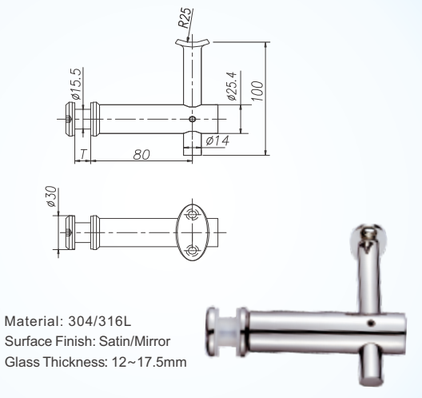
ZCF13 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm

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

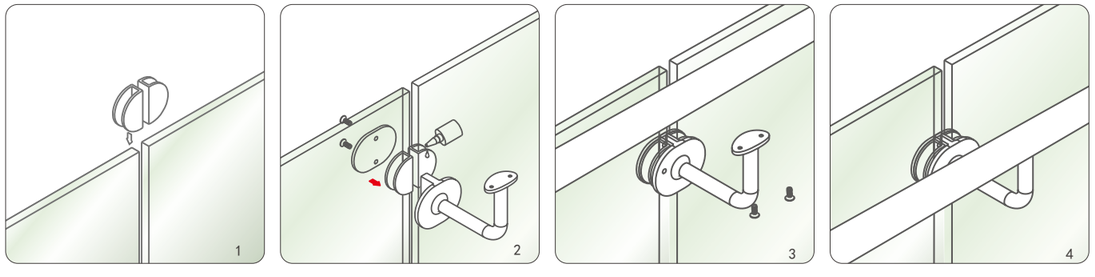
Handrail Supporting (Glass)



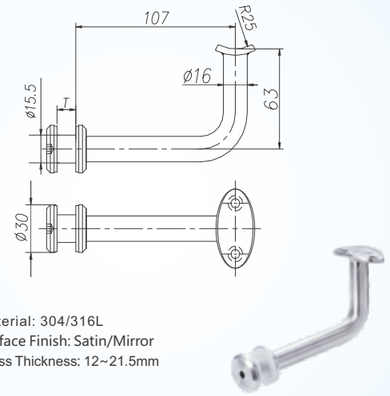
ZCF16L Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 10/12 mm



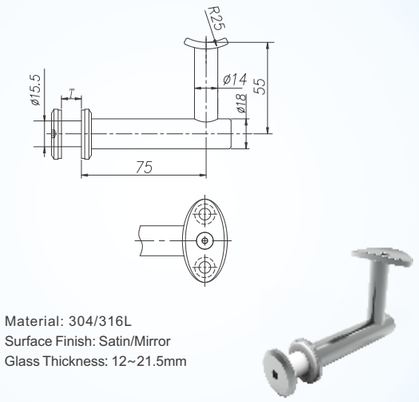
ZCF30 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~17.5mm



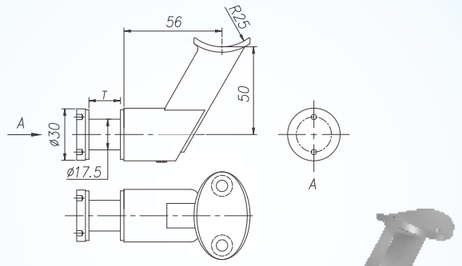
Handrail Supporting (Glass)



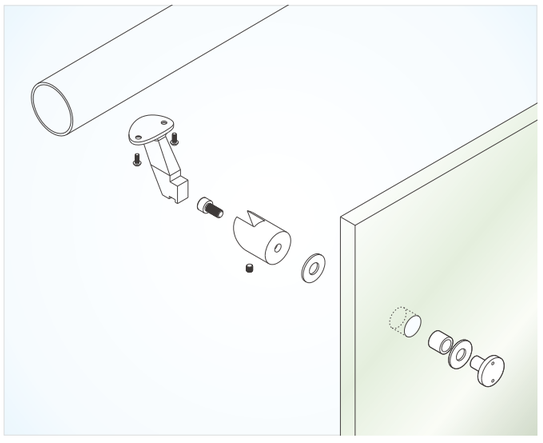
ZCF34 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



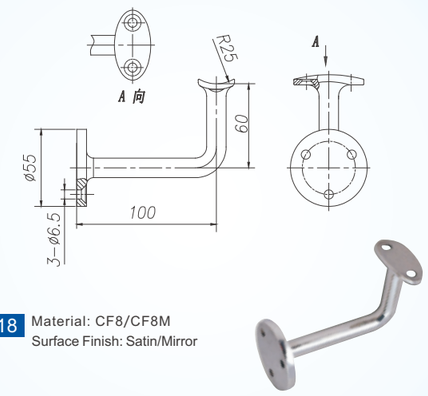
ZCF36 Material: 304/316L
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



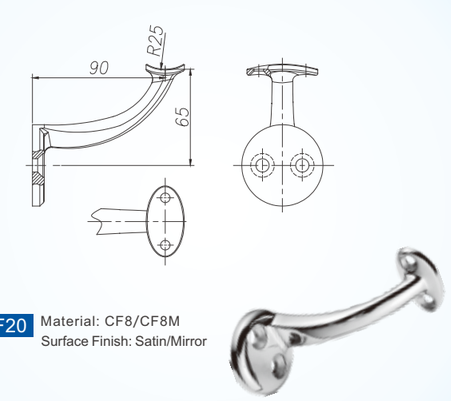
HSCB02 Material: CF8/CF8M
Surface Finish: Satin/Mirror
Glass Thickness: 12~21.5mm



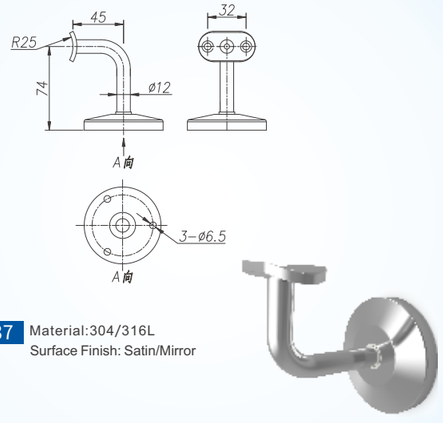
Handrail Supporting (Wall)



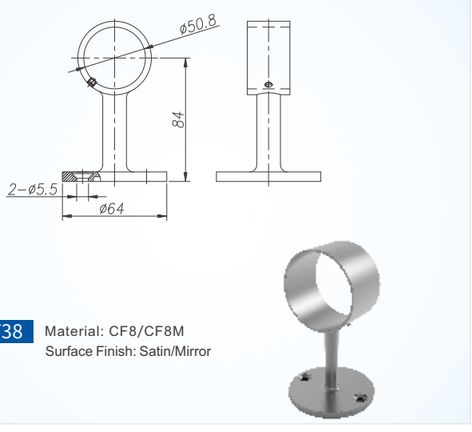
ZCF18 Material: CF8/CF8M
Surface Finish: Satin/Mirror



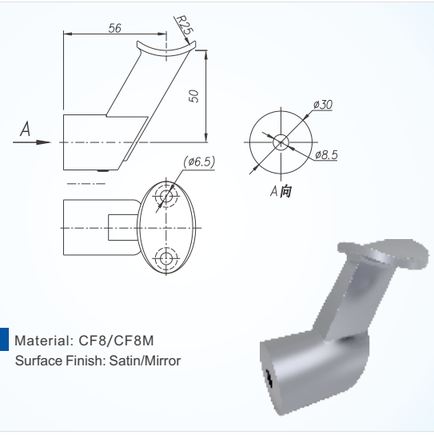
ZCF20 Material: CF8/CF8M
Surface Finish: Satin/Mirror



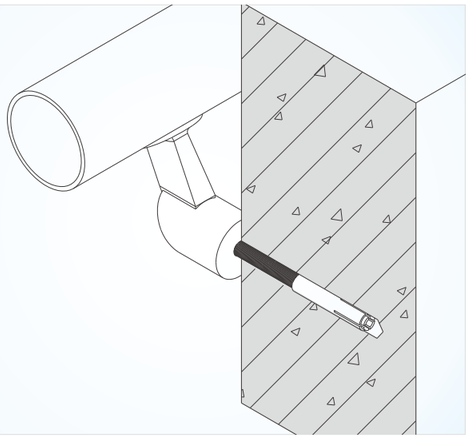
ZCF37 Material:304/316L
Surface Finish: Satin/Mirror



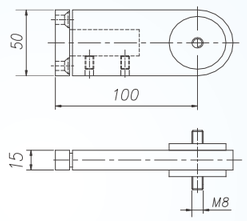
ZCF38 Material: CF8/CF8M
Surface Finish: Satin/Mirror



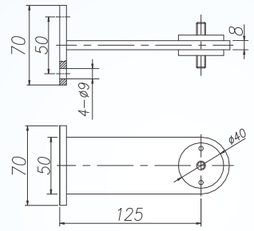
HSCQ02 Material: CF8/CF8M
Surface Finish: Satin/Mirror



Bump Rail Accessories

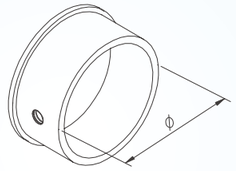


ZCF28 Material: CF8/CF8M
Surface Finish: Satin/Mirror



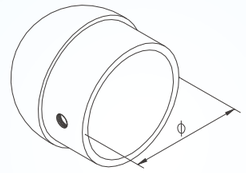
ZCF29 Material: 304/316L
Surface Finish: Satin/Mirror

End Cap



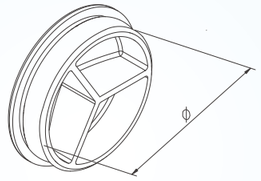
LJK01

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



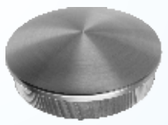
LJK02

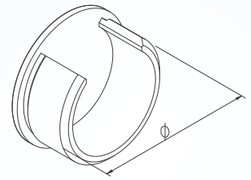
Φ	Equipped Thickness
50.8	1.0/1.2/1.5/2.0
44.5	
38.1	



LJK05

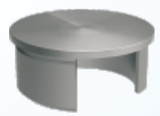
Φ	Equipped Thickness
50.8	1.2/1.5/2.0
44.5	
38.1	



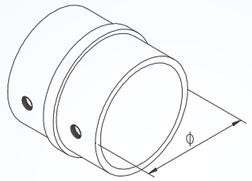


LJK06

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

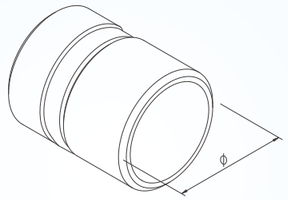


Connector



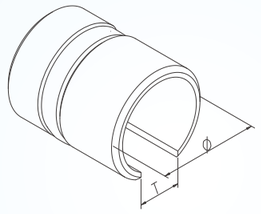
LJL01

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



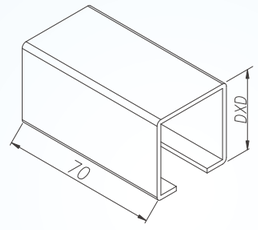
LJL03

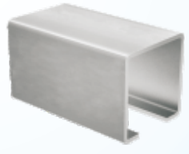
Φ	Equipped Thickness
50.8	1.2/1.5/2.0
44.5	
38.1	



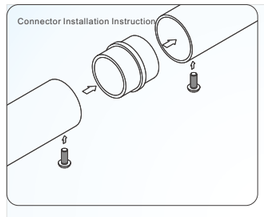
LJL04

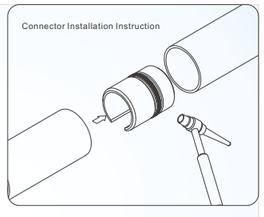
Φ	T	Equipped Thickness
50.8	26	1.2/1.5/2.0
44.5		
38.1		

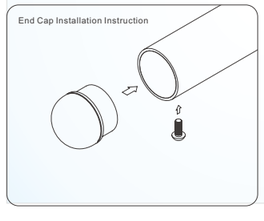


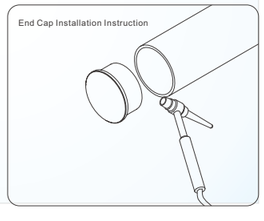


LJL05

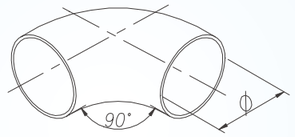


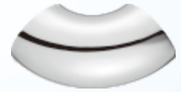






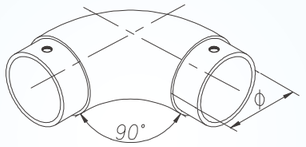
Elbow





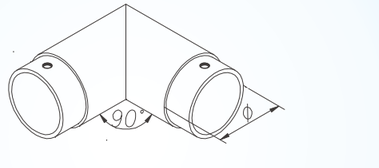
LJW01

Φ
Φ60. 3
Φ50. 8
Φ44. 5



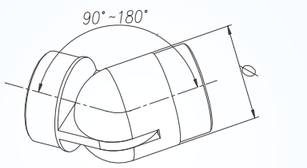
LJW02

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



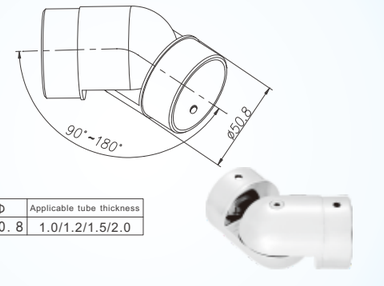
LJW03

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



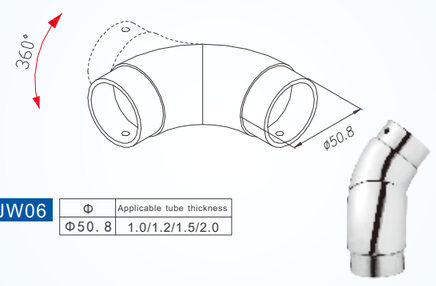
LJW04

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



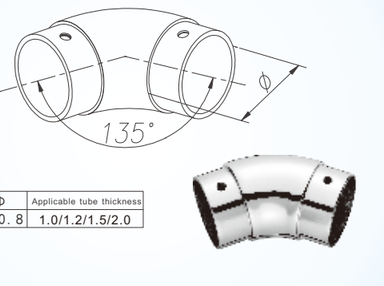
LJW05

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



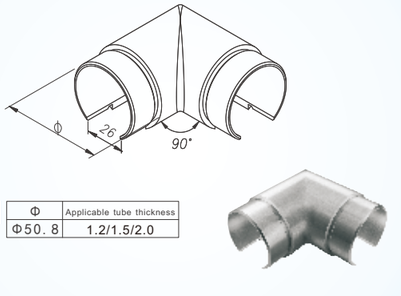
LJW06

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



LJW08

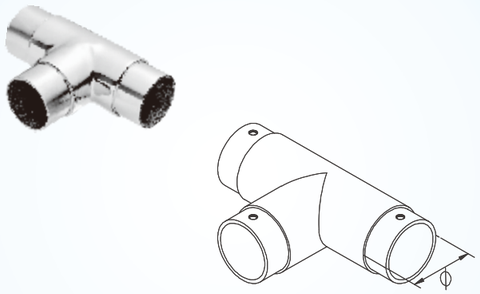
Φ	Applicable tube thickness
Φ50. 8	1.0/1.2/1.5/2.0



LJW09

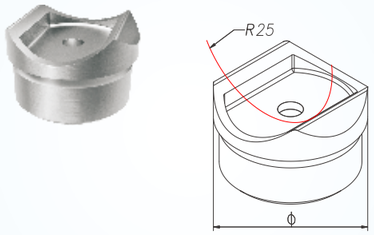
Φ	Applicable tube thickness
Φ50. 8	1.2/1.5/2.0

Elbow



LJS01

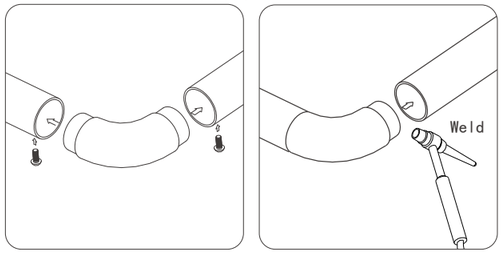
Φ	Equipped Thickness
Φ50.8	1.0/1.2/1.5/2.0



LJS02

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

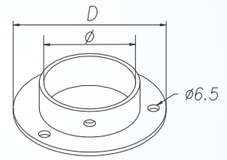
Elbow Installation Instruction



LJT01

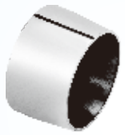
Φ	Equipped Thickness
Φ50. 8	1.0/1.2/1.5/2.0

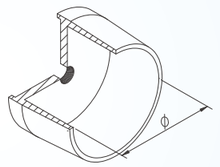
Base Plate



LJG01

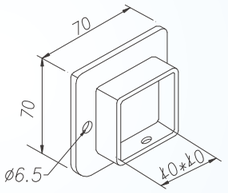
Φ	D
Φ50. 8	85
Φ44. 5	80



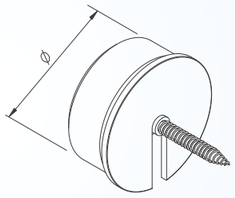


LJG02

Φ
Φ50. 8
Φ44. 5

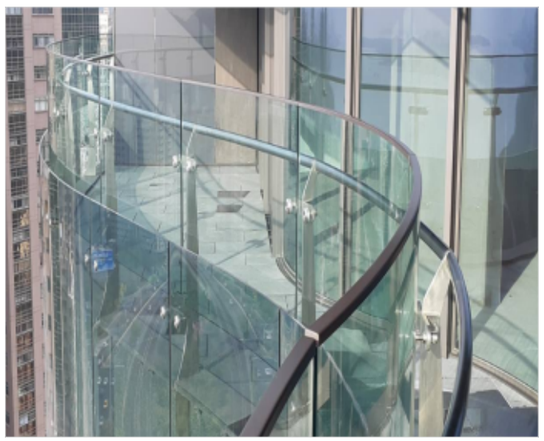


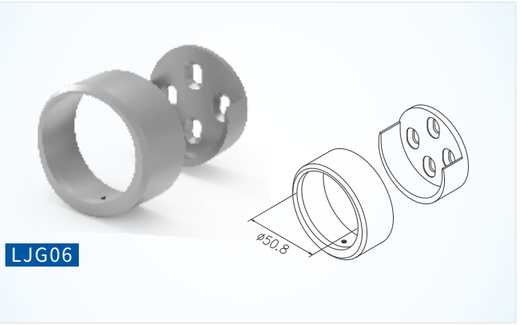
LJG03



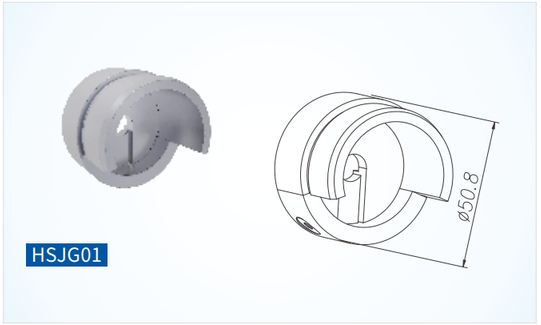
LJG05

Φ	Equipped Thickness
Φ50.8	1.2/1.5/2.0

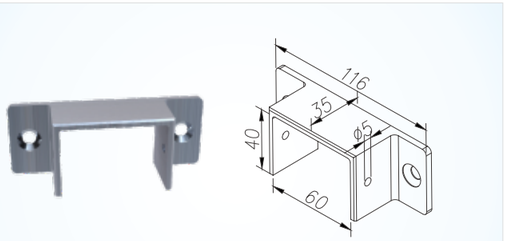




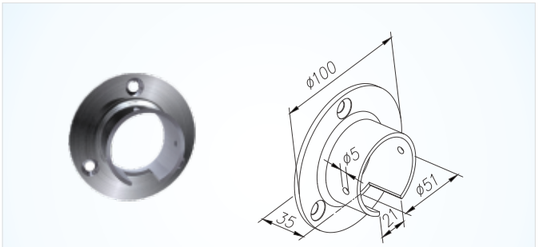
LJG06



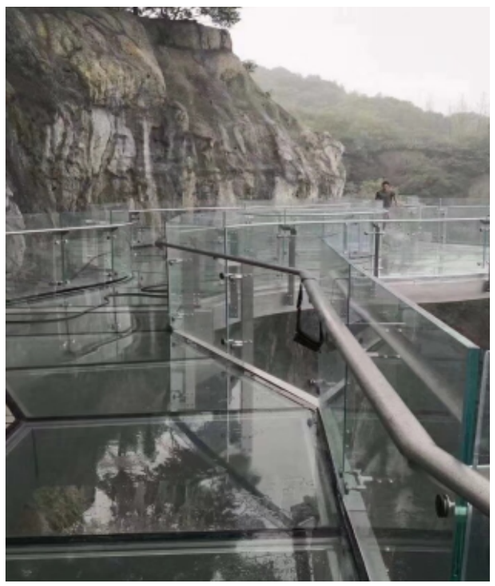
HSJG01

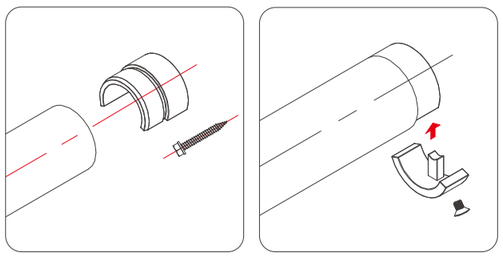


HSJG03

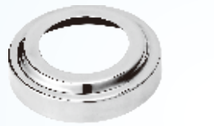


HSJG04



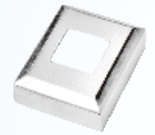


Cover Plate

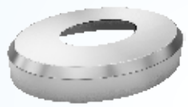


LJZ01

Φ	D
45	90
52	



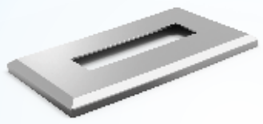
LJZ02



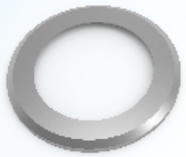
LJZ05

A*B
43*83
49*103

LJZ07

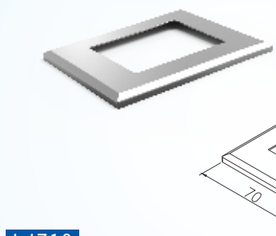


LJZ08



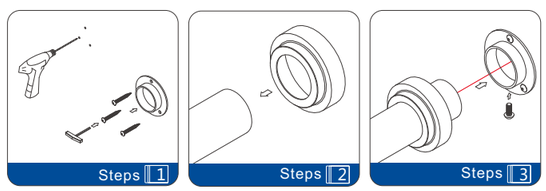
LJZ09

Φ
51
41

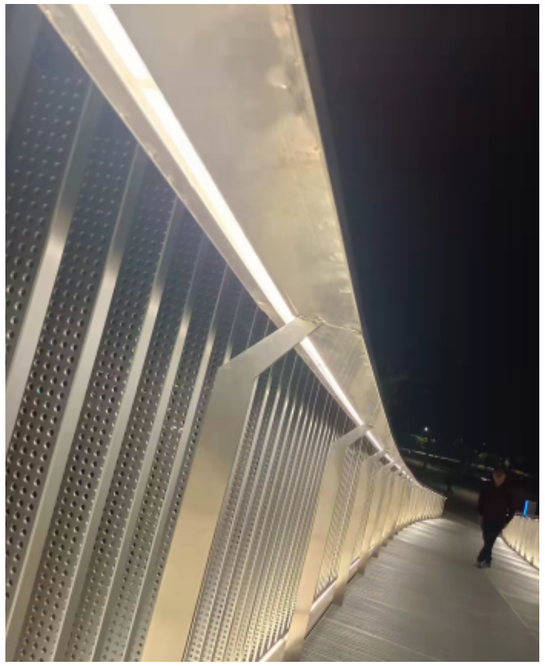


LJZ10

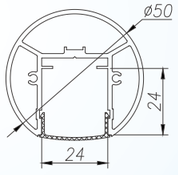
Base Plate and Cover Plate Installation Instruction



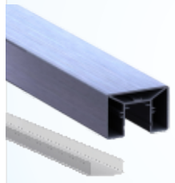
Luminous handrail

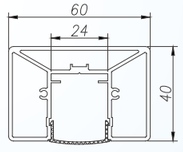


HSG01-G Luminous handrail tube
Material:6063-T6
L≤5700mm

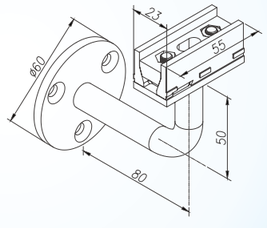


HSG02-G Luminous handrail tube
Material:6063-T6
L≤5700mm



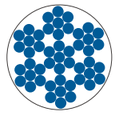
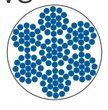


HSCQ03 Handrail support fittings
Material:314/316



Micro Cable Accessories

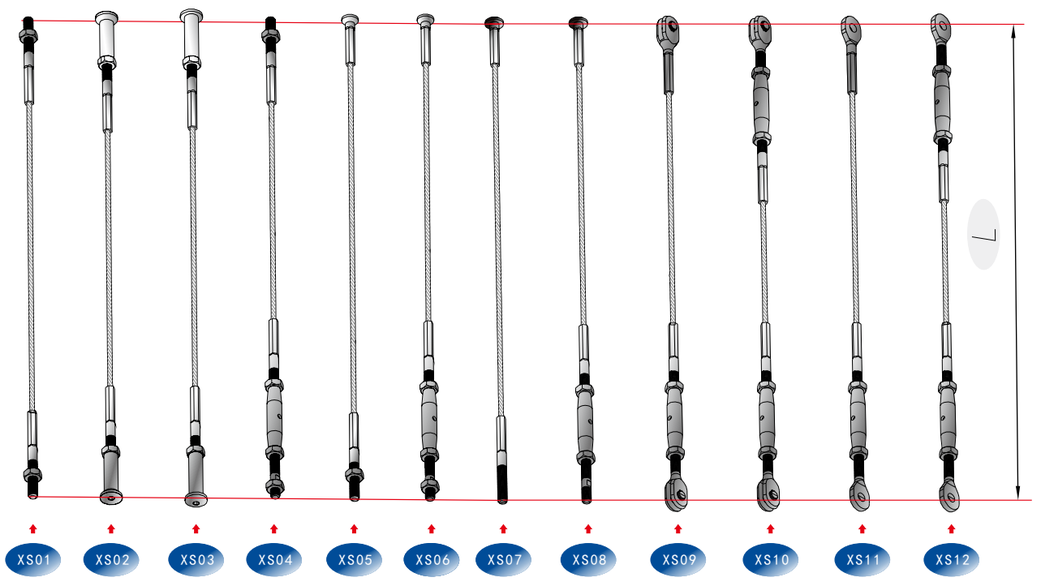
Mechanical Performance of Stainless Steel Wire Rope

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

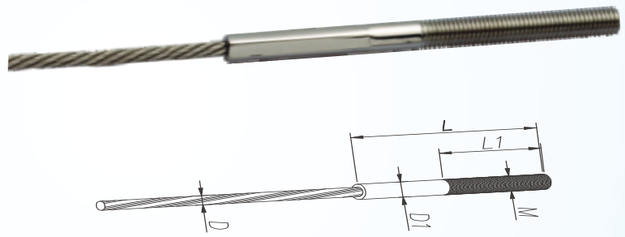
Illustration of Micro Cable Assembly



Anchor

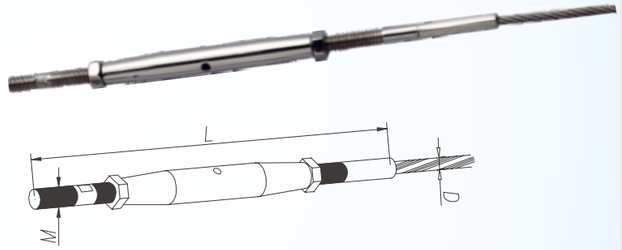
A-W

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



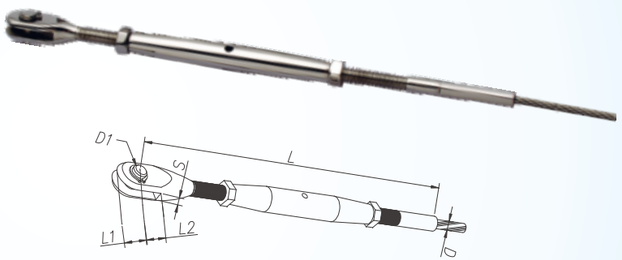
A01-W Adjustable Cable Anchor

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



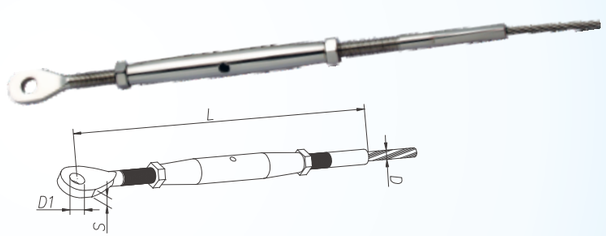
A05-W Adjustable Cable Anchor

D	L mm min	L mm max	D1	L1	L2	S
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



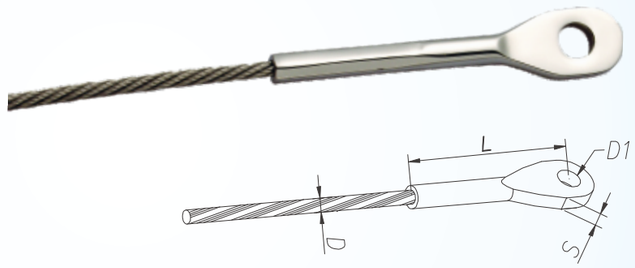
A07-W Adjustable Cable Anchor

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



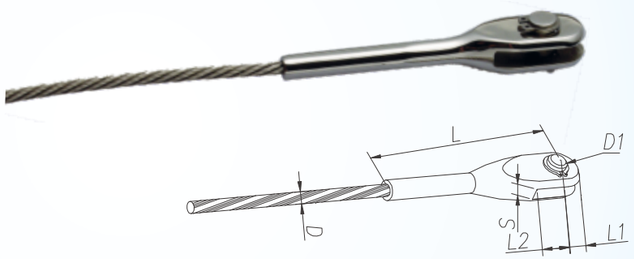
Cable End

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



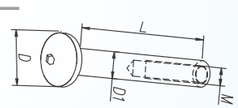
D	D1	L	L1	L2	S
Ø3	Ø5	57	9.5	12	3.5
Ø4	Ø6	62	11	14	4.5
Ø5	Ø8	75	12.8	16	5.5
Ø6	Ø10	86	15	19	6.5

G-W

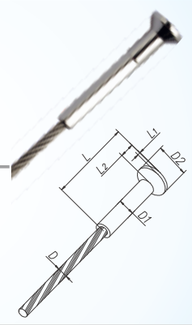
D	D1	L
Ø3	Ø6	31
Ø4	Ø8	45
Ø5	Ø8	45
Ø6	Ø10	54

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



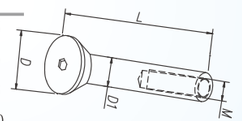
T-W



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

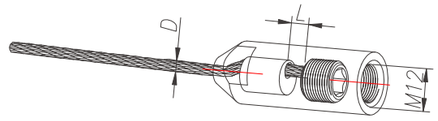


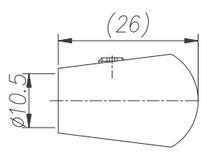
Midrail Accessories

D	Ø3	Ø4	Ø5

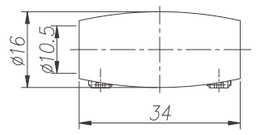
Note:5mm ⩽ L ⩽ 7mm

A08-W

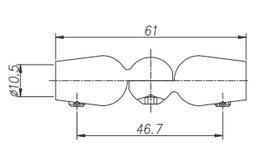




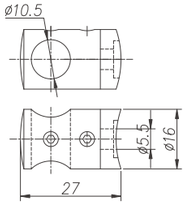
XG01



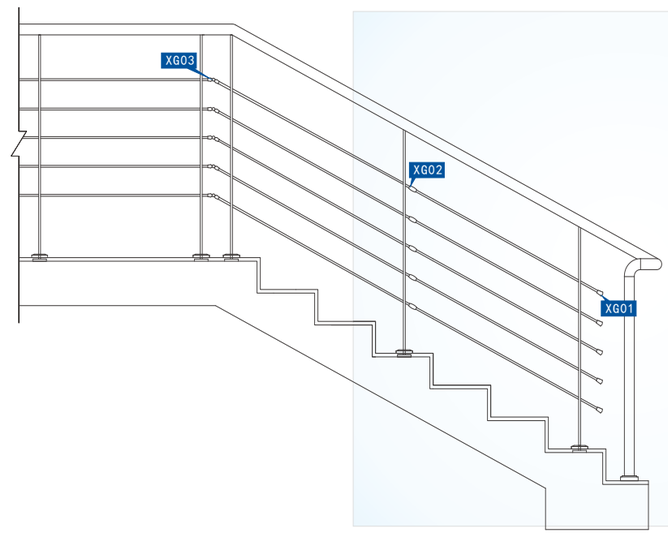
XG02



XG03

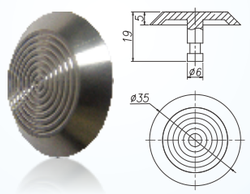


XG04

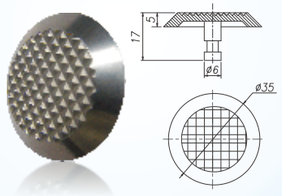


Metro Products

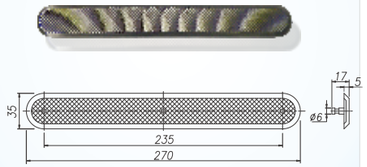
DTD01 Tactile Studs
Material:CF8 /CF8M
Surface Finish:Satin



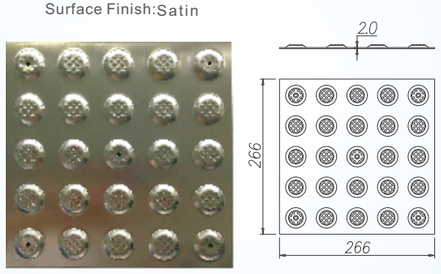
DTD02 Tactile Studs
Material:CF8 /CF8M
Surface Finish:Satin



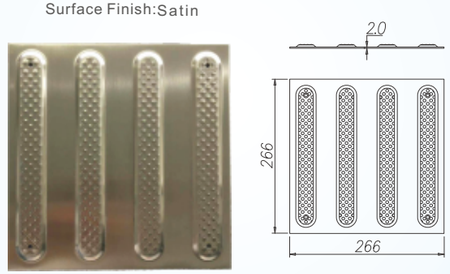
DTT01 Tactile Strips
Material:CF8 /CF8M
Surface Finish:Satin



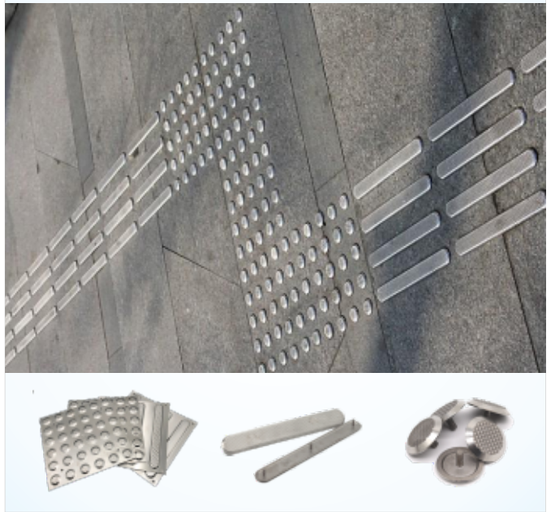
DTD03 Tactile sidewalk plate (Studs)
Material:CF8 /CF8M
Surface Finish:Satin



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



Stainless steel Tactile Studs



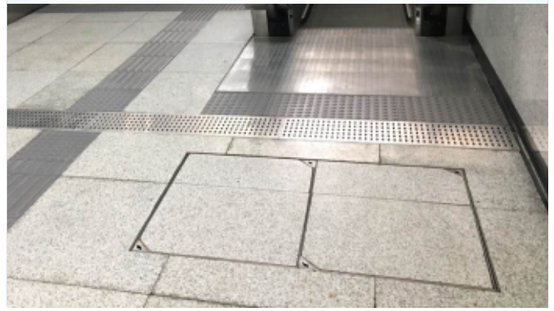
Self luminous indicating arrow

Metro Products

Customer service center

Garbage can

Access panel

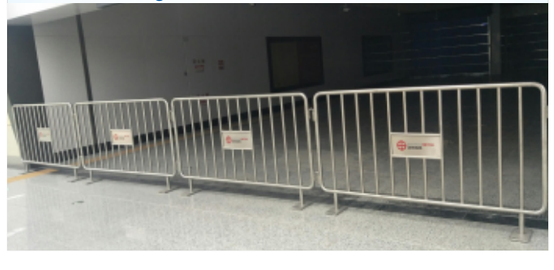


AFC access panel

Drain panel

Civil air defense threshold panel

Movable railings



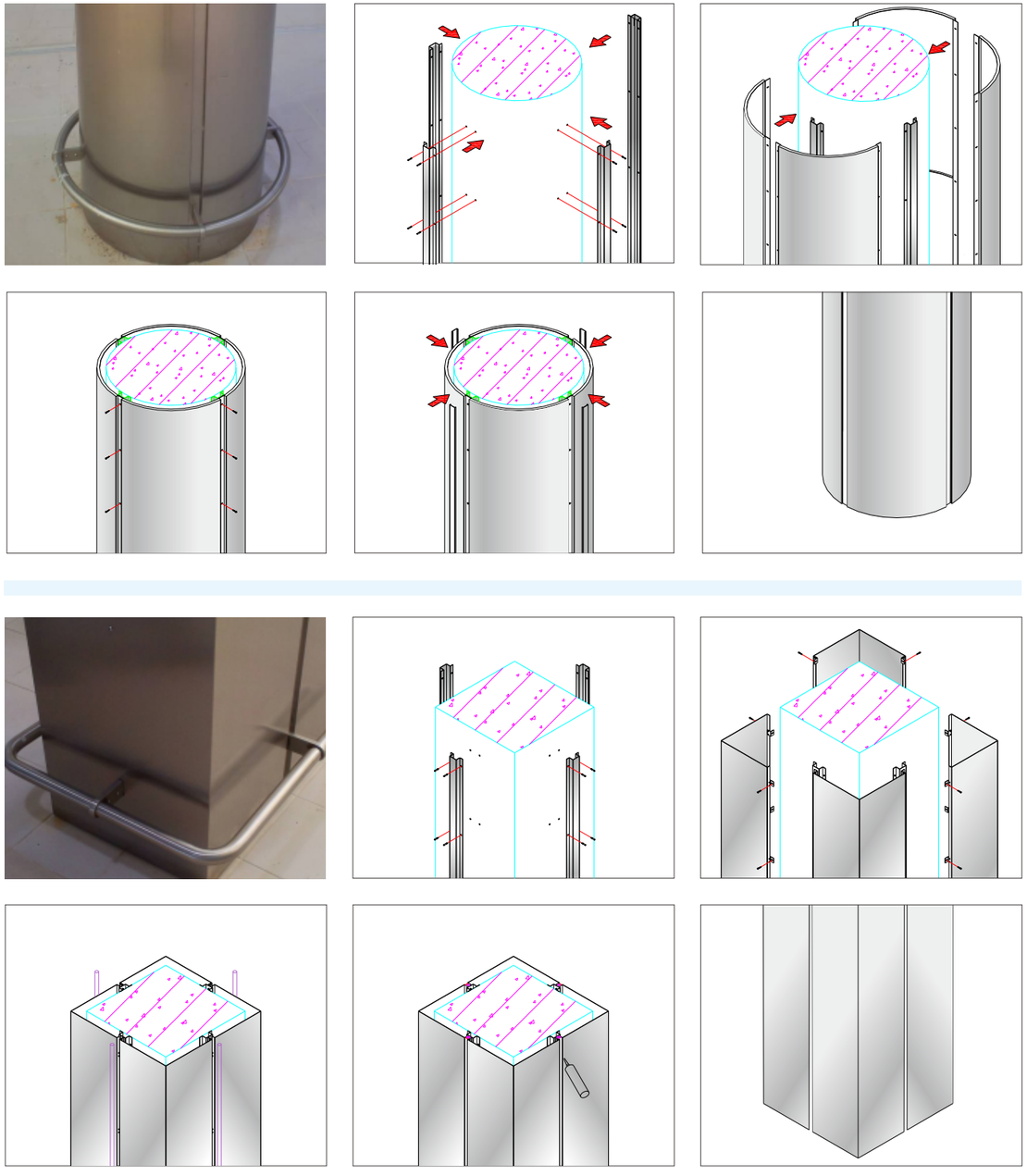
Rat proof baffle

Sheet Metal Cladding Products

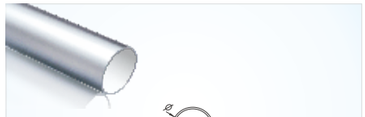
Stainless Steel Column Covers

Material: 304/316L
Surface Finish: Satin/Mirror
Panel Thickness T: 1.2/1.5/2.0/2.5mm

Note: Sheet metal unfolding size is less than 1500mm and the length of the size is less than 3000mm. All products should be customized according to the project requirement.



Commonly Used Handrail Sections

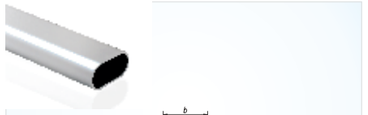


Circular Tube

ø			
10	15.9	25.4	
31.8	38.1	50.8	
60.3	63.5	76.2	

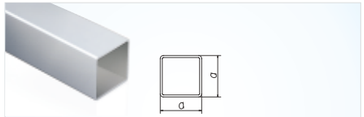
Elliptical Tube

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



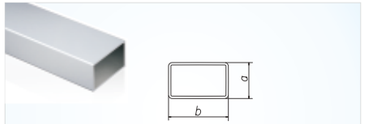
Flat Elliptical Tube

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



Square Tube

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



Rectangular Tube

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

Circular U Tube

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

Commonly Used Thickness: 1.2 / 1.5

Elliptical U Tube

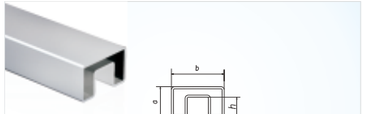
a*b	40*80
t*h	24*24

Commonly Used Thickness: 1.0 / 1.2 / 1.5

Square U Tube

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

Commonly Used Thickness: 1.0 / 1.2 / 1.5



Rectangular U Tube

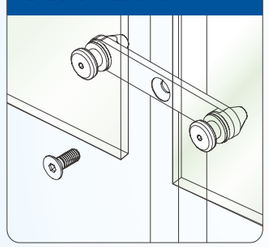
a*b	40*60
t*h	24*24

Commonly Used Thickness: 1.2 / 1.5

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

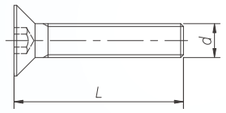
Regular Fasteners

Bracket Fastener

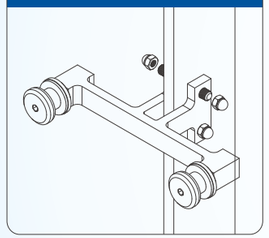


Countersunk Hexagon Socket Screw （DIN 7991）

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



Bracket Fastener

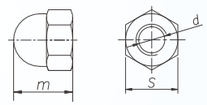


Threaded Bolt (GB/T 15389)

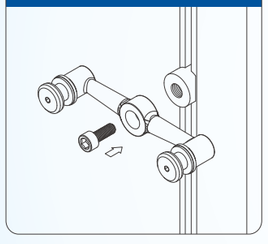
Mark Example:
Threaded Bolt GB/T 15389 M8*40

Cap Nut（DIN 1587）

Mark Example:
Nut DIN1587 M8

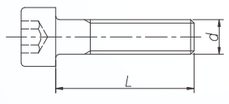


Bracket Fastener

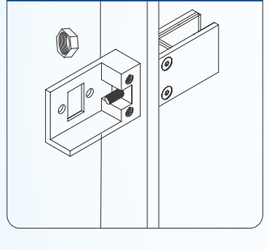


Hexagon Socket Cap Screw（DIN 912）

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

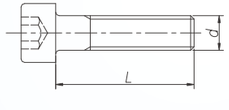


Glass Clamp Fastener



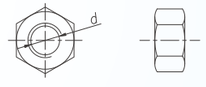
Hexagon Socket Cap Screw (DIN 912)

Mark Example:
Screw DIN 912 M8*L



Hexagon Thin Nut（GB/T 6172.1）

Mark Example:
Nut GB/T 6172.1 M8



Typical Project Cases

Metro projects

- Shenzhen Metro Line 4,11
- Shenyang Metro Line 9,10
- Fuzhou Metro Line 1,2,6
- Xi'an Metro Line 1,4,5,6,14
- Chengdu Metro Line 5,6,7,8,9,17,18
- Changchun Rail Transit Line8 (North Lake Line)
- Nanning Metro Line 4,5
- Zhengzhou Metro Line 4
- Hohhot Metro Line 1
- Ningbo Metro Line 3Shijiazhuang Metro Line 3
- Qingdao Metro Line 1
- Nanjing Metro Line S6
- Harbin Metro Line 2
- Depot of Guangzhou metro lines 18 and 22
- Wuxi Metro Line 2
- Wulumuqi Metro Line 1
- Tianjing Metro Line 4,6
- Taiyuan Metro Line 2

Stationprojects

- Zhengzhou East Station
- Tianjin Train Station
- Xi'an North Train Station
- Hong Kong West Kowloon High-speed Railway Station
- Dongguan South Railway Station

Airport

- Beijing Daxing International Airport (Beijing New Airport)
- Guangzhou Baiyun International Airport
- Tianjin Binhai International Airport
- Yunnan Kunming International Airport
- Shanxi Taiyuan International Airport
- Nanning Wuwei International Airport
- Jiangxi Nanchang International Airport
- Wuhan Tianhe International Airport
- Chongqing Jiangbei International Airport Terminal 3
- Taiwan Taoyuan International Airport
- Dubai International Airpor
- Kenya International Airpor
- Japan Haneda Airport
- Doha International Airport
- Muscat International Airport
- Emirates Aviation BuildingAbu Dhabi Airport
- Cario International Airport Terminal 2
- Abuja Nnamdi Azikiwe International Airport
- The Queen Alia International Airport
- Las Vegas casino International Airport

Ho te l

- Wenzhou a Wai Lou Resort Hotel
- Doha Grand Hyatt Hotel
- Xi'an Shenguang Hotel
- Sheraton Zhanjiang Minda Hotel
- Zhuhai Sheraton Hotel
- Beijing Zhongcheng Hotel
- Chengdu Maowen Hotel
- Ningbo Crown Plaza Hotel
- Hyatt Hotel
- Dali Hilton Hotel
- Hong Kong West Kowloon Hotel
- Qatar Hotel Doha

Residential

- Beijing No.1 Silicon Valley
- Qinhuangdao Golden Dream Bay
- Tianjin Jewelry Garden
- Shanghai Shipyard District Residential Project
- Guangzhou Times Bund
- Foshan Haijunda City
- Shenzhen Overseas Chinese Town Chuangxiang Building
- Hanzhou Ginkgo Biloba
- Hainan Haihua Island
- Hainan Sunachuang·Wanning Sun Moon Bay
- Hainan Rongchuang·Diamond Coast
- Sanya Blue Sea and South Sky
- Zhuhai Renheng Peninsula Garden
- Yunnan Mountain Gather
- Xiamen Hangho Qishang
- Fuzhou East Lake·Yue Rong Bay
- Chengdu Central Iron Rose Art City
- Zhongshan Longshan Huafu
- Zhongshan Xing Hui Bay
- Guiyang Forest City Flower Capital
- Zhengzhou Yongwei Shangheyuan
- Wuhan Dingxiu Northwest Lake
- Zhengzhou Hanhai voyage
- Maoming Jinyuan Bay City
- Heyuan Dongjiangwan phase III
- Huizhou Changsha Bay Garden
- Huludao first • Longwan phase II
- Wenzhou South Zhejiang Vanke green axis G22 project
- Ningbo Hangzhou Bay intelligent garden
- Nb3 glass rail North America
- North America TANGRAM PLAZA
- Thailand SUPALAI ORIENTAL SUKHUMVIT 39
- India Nivee Gardens

Municipal Gardens projects

- Pearl River pedestrian overpass · Haixin Bridge
- Chengdu Yixin Lake
- Nanjing Garden Expo
- Xi'an happy forest belt
- Tangshan super Greenway
- Beijing Universal Studios theme park
- Haihua Island dam and yacht wharf
- Huangshi Xiandao Lake viewing platform
- Administrative office area of Beijing Urban sub center
- Nanning BRT curtain wall overpass
- Zhaoqing pedestrian overpass
- New construction project of joint report headquarters building
- Shanghai Disneyland Landscape ridge project
- Shenzhen Pingshan Cultural Complex

Gymnasium, convention and exhibition

- Nanjing Youth Olympic Sports Center
- Tianjin Olympic Sports Center
- Shanghai Expo Center
- Oriental Pearl of Shanghai
- Guangzhou Pazhou Exhibition Center
- Shenzhen Pingshan Cultural Center
- Zhenjiang Sports Center
- Ningbo International Financial Services Center
- Ningbo Cultrue Center
- Ningbo International Exhibition Center
- Xiamen Strait Conference Center
- Xiamen Jiageng Stadium
- Wuxi World Trade Center
- Kunming Dianchi Exhibition Center
- Hong Kong Asia International Expo
- Inner Mongolia Minority Mass Culture and Sports Center

Office Building

- Beijing City Sub-center Administrative Office Project
- Beijing Peotro China Building
- Guanhzou Mobile Branch
- Taiwan Union News Headquarters Building New Construction
- Comprehensive Dispatching Building of Henan Electric Power Company
- **Russian State Building**
- **Kunming Party anf Government Center**
- **Xi'an Radio and Television Center**
- **Fujian Radio and Television Center**
- **Wuxi World Trade Center**
- Wuxi Radio and Television Media
- National Development Bank
- Wuhu Huadian Complex Building
- Office building of Zigong Yun Machine Group

Commercial Syntheses

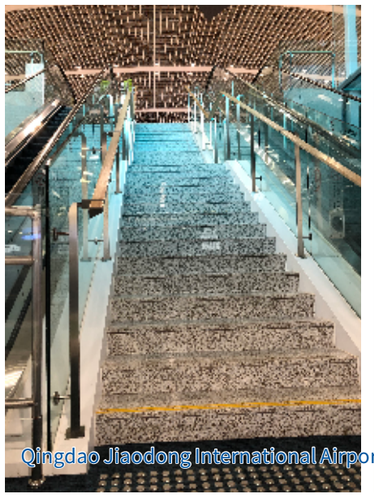
- Beijing Chaoyang Joy City
- Beijing Andingmen COFCO Joy City
- Beijing Huazheng Building
- Beijing COFCO Fulinmen Building
- Beijing Wangfujing Department Store
- Beijing Youtang Life Square
- Shanghai Jinghongqiao International Center
- Shanghai Yueyang Plaza
- Shanghai Shopping Center
- Guangzhou Zhujiang New Town
- Shenzhen Vanke One City
- Shenzhen Yitian Holiday Shopping Center
- Shenyang Henglong Square
- Shenyang Joy City
- Shenyang Pengli Square
- Shenyang Dafa Square
- Shenyang Heng Long Street
- Harbin Hongchuang City Square
- Linyi Zhonghui Square
- Chengdu Raffles City Plaza
- Chengdu Maoye Center
- Yunnan Qujing Commercial Building
- Kunming Jialianhua Square
- Kunming Shuncheng Shopping Center
- Kunming Joy City
- Lanzhou New World Shopping Square
- Zhengzhou MIXC
- Zhengzhou Zhenghong International Plaza
- Wuhan IKEA
- Hangzhou MIXC
- Wuxi Yingte IKEA
- Qingdao Wanda Plaza
- Bulgarian Varna Shopping Center
- Singapore Binhai Bay Comprehensive Entertainment City
- Australian Top West Mansion
- Xiamen MIXC
- India Pheonix Market City
- Big shopping center Melbourne
- Zhuhai HUAFA business capital

hospital

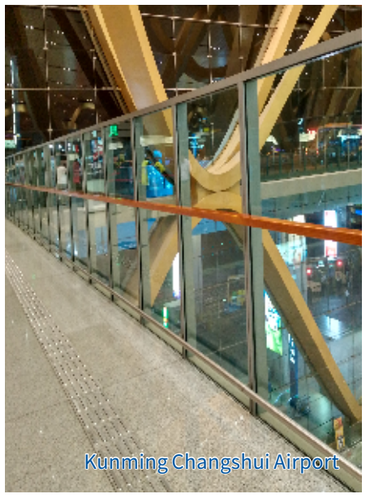
- Henan Cancer Hospital
- Hainan 301 Hospital
- Peking University International Hospital
- Hangzhou people's Hospital
- Shanghai Zhongshan Hospital
- The Second Affiliated Hospital of Dalian Medical University

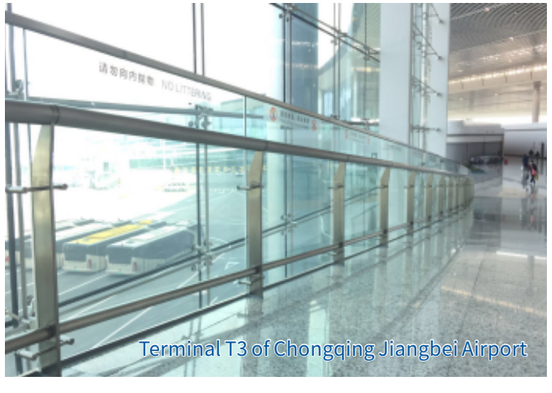
Airport projects


Beijing Daxing International Airport(Beijing New Airport)


Qingdao Jiaodong International Airport


Kenya Airport


Kunming Changshui Airport

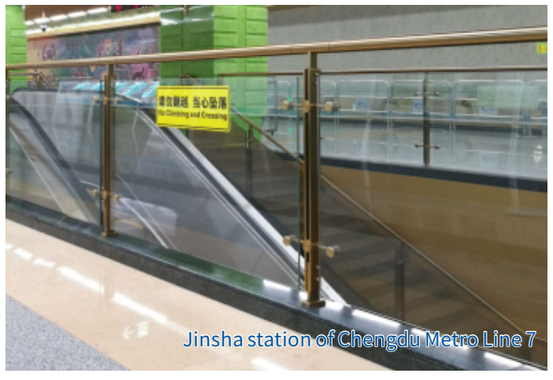

Terminal T3 of Chongqing Jiangbei Airport


Nanning Wuxu International Airport

Metro /Station projects

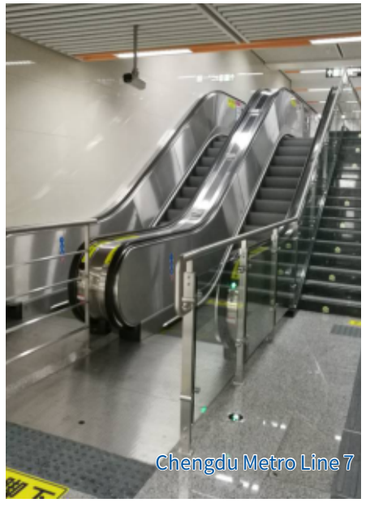

Jinsha station of Chengdu Metro Line 7


Jinsha station of Chengdu Metro Line 7


Jinsha station of Chengdu Metro Line 7

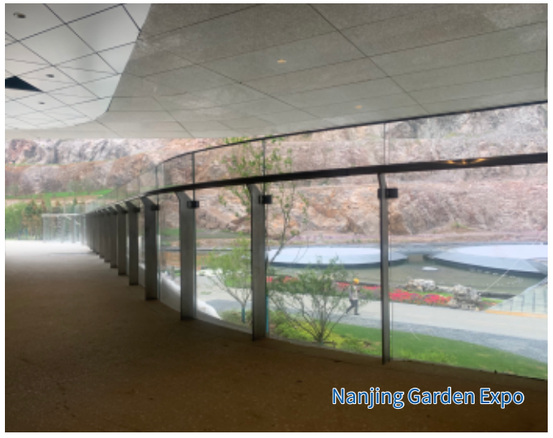

Chengdu Metro Line 7


Fuzhou Rail Transit Line 1

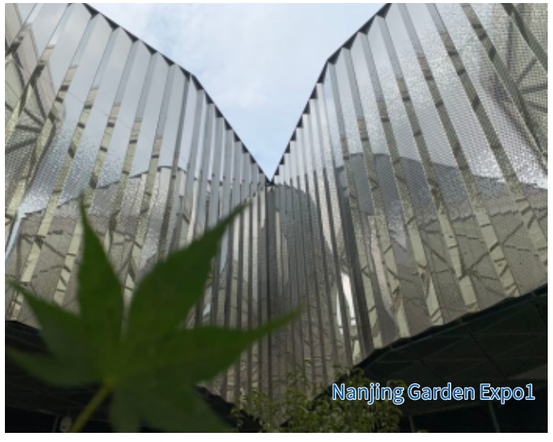

Chengdu Metro Line 7

Municipal Gardens projects


Beijing Olympic Sports Park Observation Deck


Nanjing Garden Expo

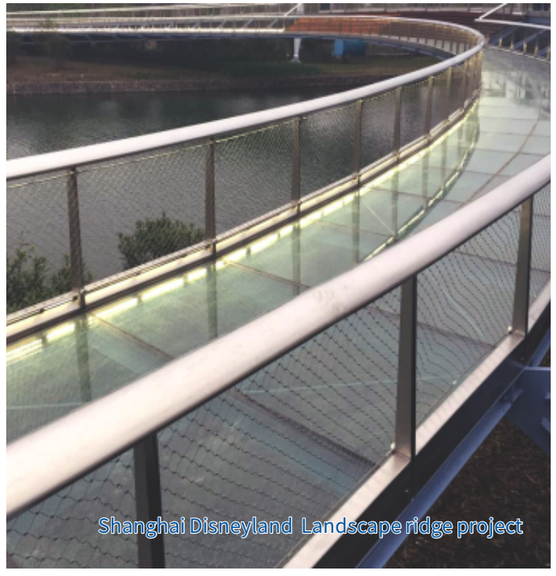

Chengdu Yixin Lake


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


Chengdu Fusenmei home furnishings Co., Ltd


Bulgarian Varna Shopping Center


Chengdu Fusenmei home furnishings Co., Ltd


Shenyang Henglong middle street


Chengdu Fusenmei home furnishings Co., Ltd

Commercial Syntheses


Chengdu Raffles City Plaza


Chengdu Raffles City Plaza


Zhengzhou MIXC


Zhengzhou MIXC


Zhuhai HUAFA business capital


Zhuhai HUAFA business capital

Gymnasium, convention and exhibition Centers


Wuhan Qintai Grand Theatre


Tianjin Olympic Sports Center


Oriental Pearl of Shanghai


Nanjing Youth Olympic Sports Center


Zhenjiang Sports Center

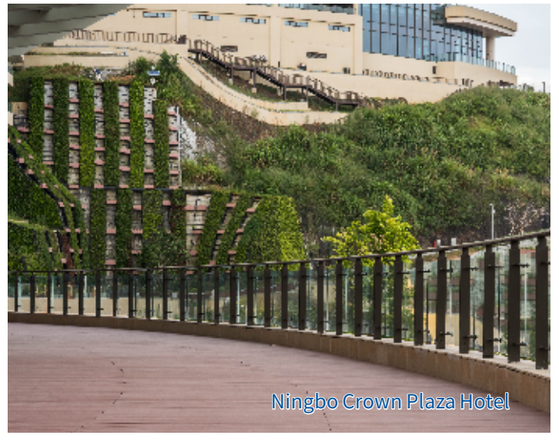
Ho te l


King Road Tower

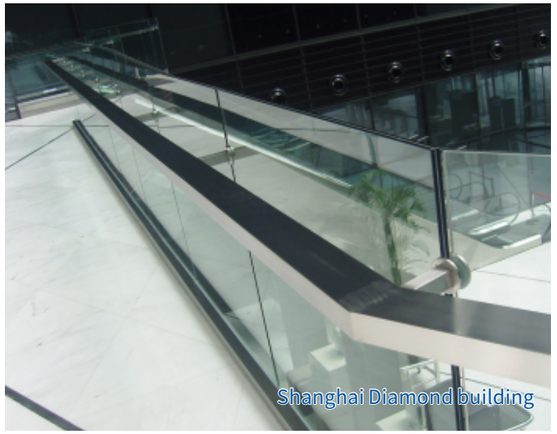

Chengdu Maowen Hotel


Canary Center


Nanning Wuxu International Airport


Ningbo Crown Plaza Hotel

Other Cases


Shanghai Diamond building


Guangzhou Times Bund


Henan Cancer Hospital

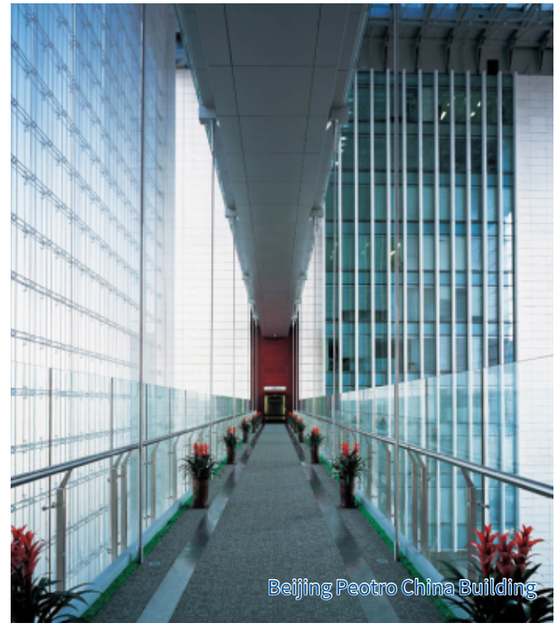

Office building of Zigong Yun Machine Group


Chengdu Maoye Center


Sydney elderly care centre

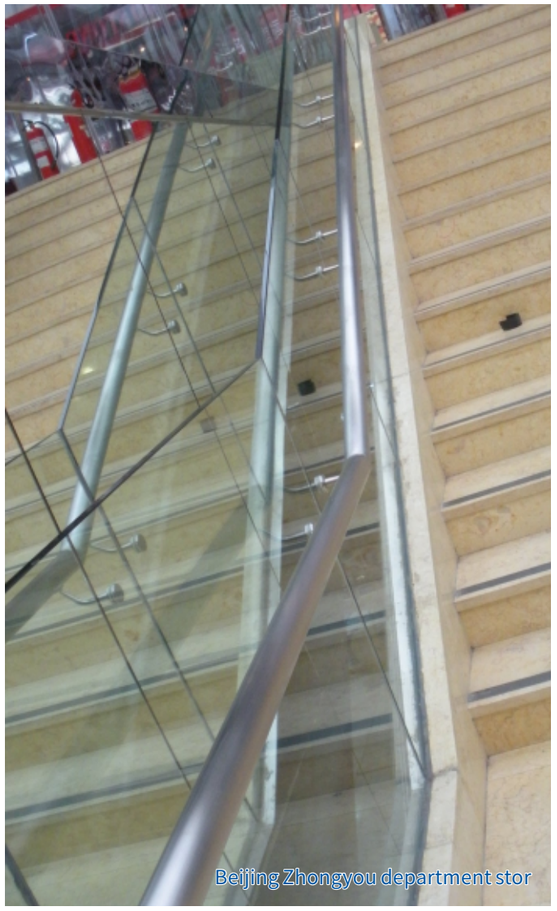
Other Cases


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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