

Post Railing Systems Typical Product Catalogue

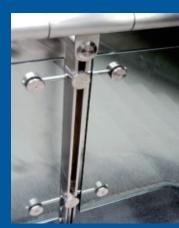














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Introduction for Product Material

- , Selection of Stainless Steel Material

The followings are primary material properties

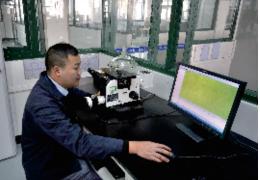
- Stainless steel hot-rolled sheet is mainly made of material 316L, 304 which conform to standard ASTM A666;
- Stainless steel cold rolled sheet is mainly made of material 316L, 304 which conform to standard ASTM A240/240M;
- Stainless steel decoration tube is mainly made of material 316L、304 which conform to standard ASTM A240/240M、ASTM A 269;
- Stainless steel industrial tube(or seamless tube is mainly made of material TP316L, 304 which conform to standard ASTM A269;
- Stainless steel rod is mainly made of material 316、304 which conform to standard ASTM A276;
- Casted stainless steel is mainly made of material CF8M、CF8 which conform to standard ASTM A743/A743M;

Note: Please note the requirement of material when you place the order.

二、The Chemical Composition of Stainless Steel

UNS	Chemical Composition %									
UNS	C ≤	Mn ≤	P ≼	S ≪	Si ≼	Cr	Ni	Мо	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	_	_
TP316L	0.035	2.00	0.045	0.030	1.00	16.00 ~ 18.00	10.00 ~ 15.00	2.00 ~ 3.00	0.10 ~ 0.16	_
CF8	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	_	_







STAINLESS STEEL MAINTENANCE ELUCIDATION

I Precautions for Storage and installation

- ① Goods should be avoided being scratched and bruised when unloading;
- ② Goods should be stored in dry and ventilated place, and avoid being caught in the rain, being struck, or being corroded by corrosive medium;
- 3 Measures need to be taken to protect the surface of pillars and their accessories from being contaminated by cement mortar and dust. Pack the products with paper or cloth that can resist water and dust. Acidic or alkaline liquid is forbidden to contact with the goods;
- 4 Fix pillars onto ground with expansion bolt or through welding on embedded parts, and fix pillar accessories onto pillars with rivet or screws, or through welding on the pillars.
- 5 Insure there is no mounting pads and gaskets been neglected.
- 6 Coat expansion bolts with anaerobe in advance when screw nuts in case they get loosened;
- This insure pillars are perpendicular to the ground when install them;
- ® Add gaskets or cushion block between glass and hardware in case they contact directly.
- Stainless steel products should be cleaned and maintained regularly, as they will get rusted in terrible environment.

II Common contaminants and clearning methods of stainless steel

- ① Soap and some other weak detergents could be used for dusts and other contaminants which could be eliminated easily;
- 2 Brand paper and pad pasting could be washed away with warm water and weak detergents, and ethyl alcohol and organic solvent such as diethyl ether and benzene could be used to eliminate binder.
- 3 Grease, oil and lubricating oil sticking onto surface of stainless steel could be eliminated by wiping up with soft cloth, and then cleaning up with neutral detergent, ammonia solution or special purpose detergent.
- 4 If there are decolorizer and other acid liquid stick onto surface, wash up immediately with water, and then with ammonia solution or neutral soda liquid, and at last with neutral detergent or warm water.

- (5) Rainbow-like stripes emerged on surface of stainless still are caused by excessive use of detergent or oil, and they could be washed up by warm water.
- (6) Rust caused by contaminants could be washed up with liquid contains 10% of nitric acid or with special detergent.
- (7) Cement and mortar splashed onto stainless steel should be washed away before they get solidified, or it will be difficult to eliminate them with stainless steel intact.
- ® Contaminants such as scum caused by using of tools, dusts produced by using of abrasive cut-off wheel, splashed slag created when oxyacetylene flaming, and carbon steel contaminant caused by long-time-contact with carbon steel, could be eliminated with special glue or liquid contains 10% of phosphoric acid, then ammonium hydroxide, and at last cold water; or with oxalic acid wets stainless steel for 15 minutes, then wash up with cold water, and dry at last.

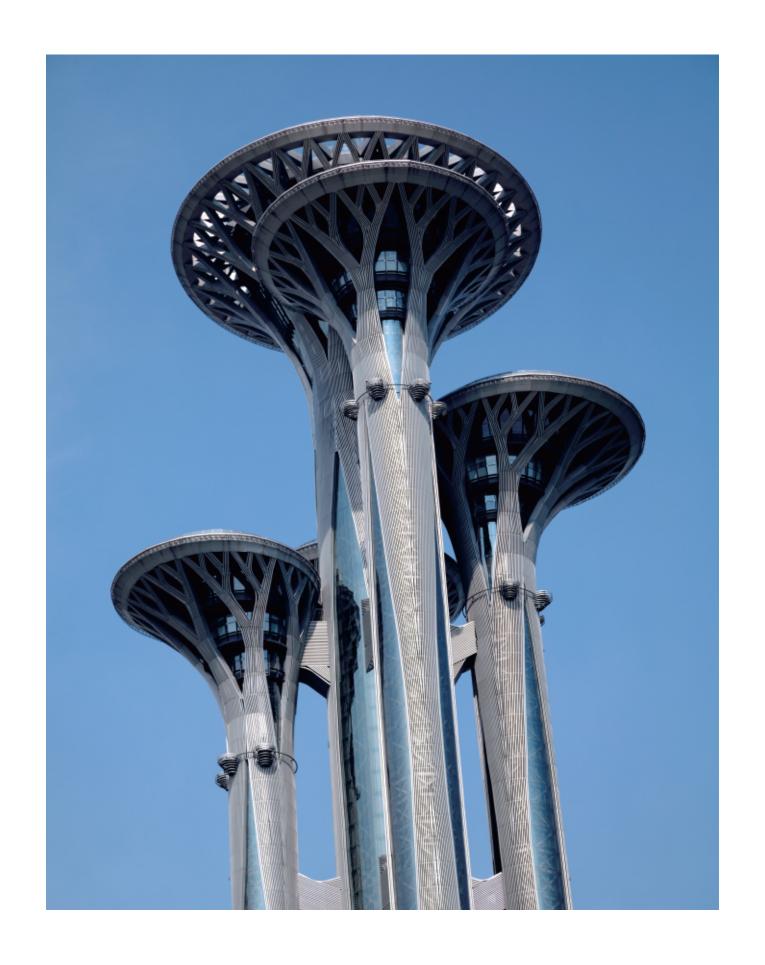
□ Precautions for daily maintenace

- 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 drawbench-surface
- ② It should be avoided to use scrubbing solution with bleaching composition, steel-wire-ball or lapping tool to wash up stainless steel. Do not forget to clean up with water after washing up.
- 3 Be clear of regulations about disposition of chemical agent and regulations about environmental protection and health. Regulations about emissions of sewage and acid liquid, and disposition of plastic film should be specially noted.

IV Maintenance Period

Stainless steel products should be cleaned once to twice one year. Different maintenance period could be adopted according to local environment the products applied.

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

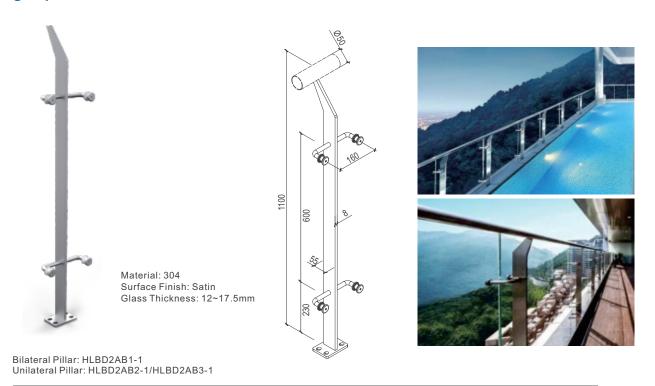


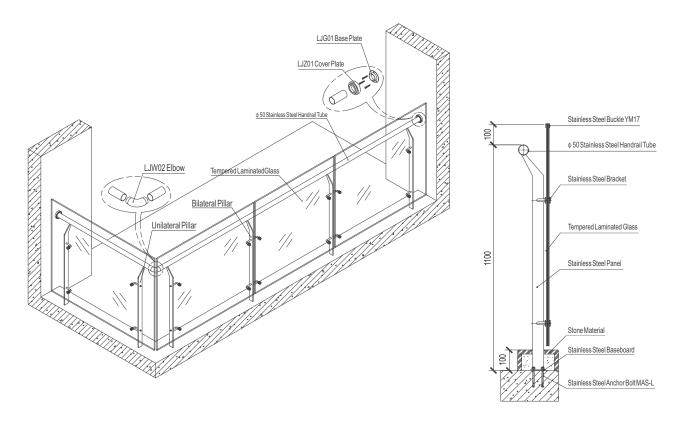


Product Features:

- 1. Adopt ASTM standard stainless steel material with good mechanical properties and corrosion resistance.
- 2. With high safety performance, simple design, strong permeability, overall beautiful and generous characteristics, it is the mainstream trend in the market.

Single-plate Pillar: HLBD2AB



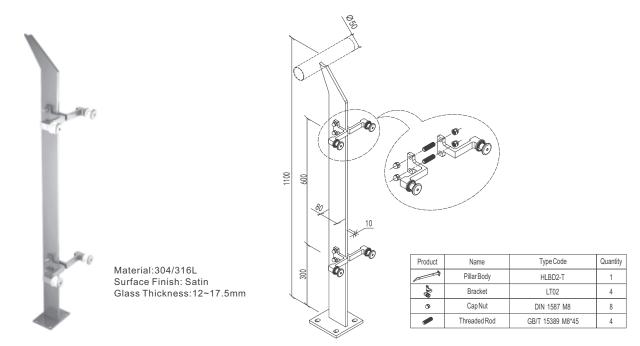




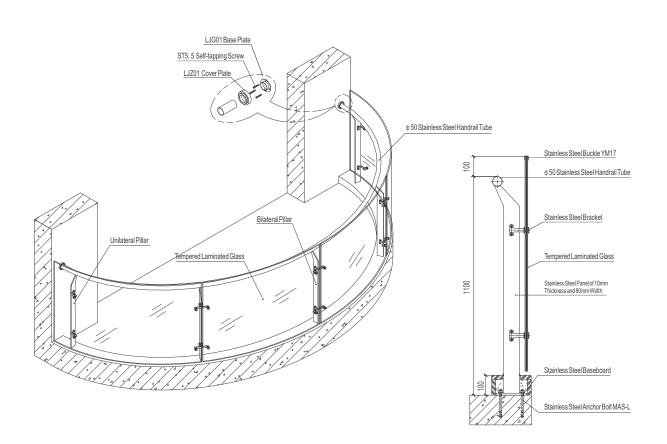




Single-plate Pillar: HLBD2



Bilateral Pillar: HLBD2-LT02M Unilateral Pillar: HLBD2-LT02



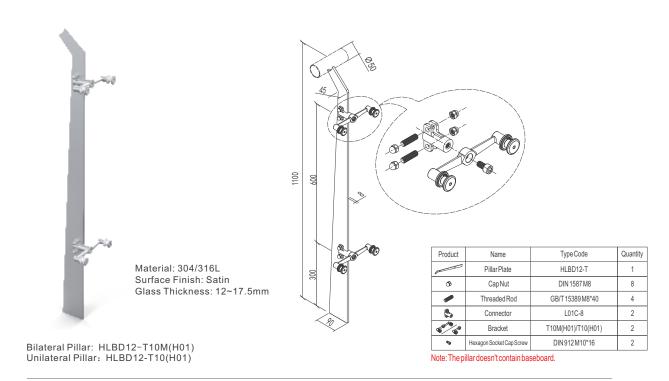


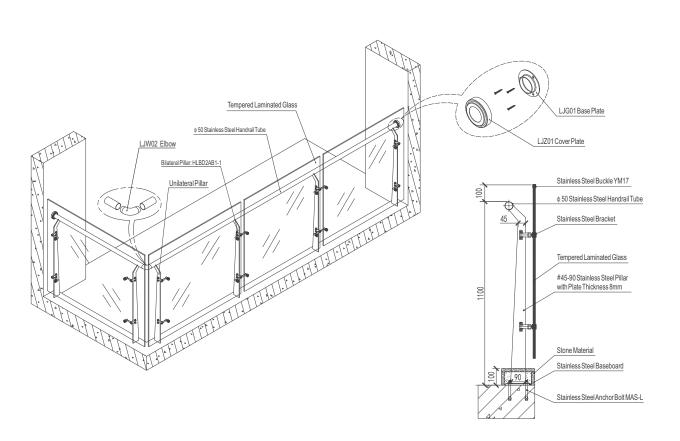






Single-plate Pillar: HLBD12







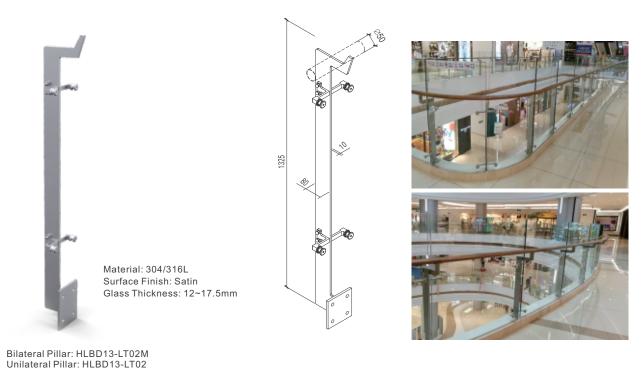








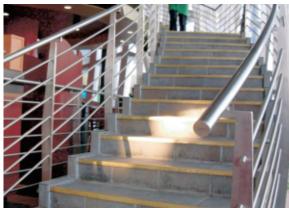
Single-plate Pillar:HLBD13



Dilateral Pillar Stainless Steel Buckle YM17 o 50 Stainless Steel Handrall Tube Stainless Steel Handrall Tube Stainless Steel Buckle YM17 in 50 Stainless Steel Handrall Tube Stainless Steel Handrall Tube Stainless Steel Parabet Tempered Laminated Glass Stainless Steel Parabet Stainless Steel Baseboard

Single-plate Pillar:HLGD1



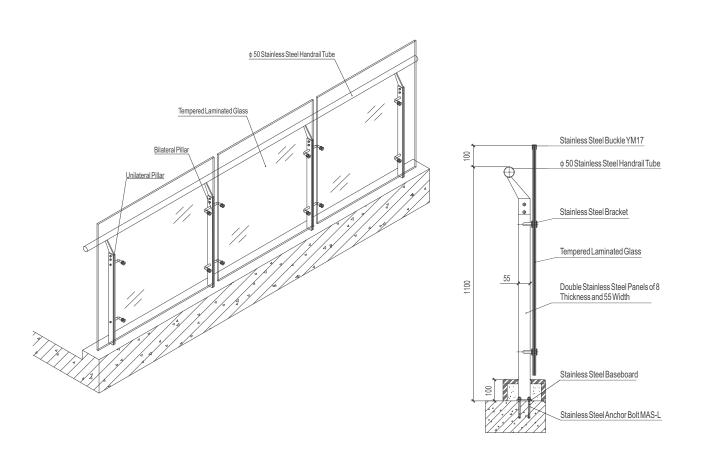








Bilateral Pillar: HLBS15-M Unilateral Pillar: HLBS15-L/HLBS15-R

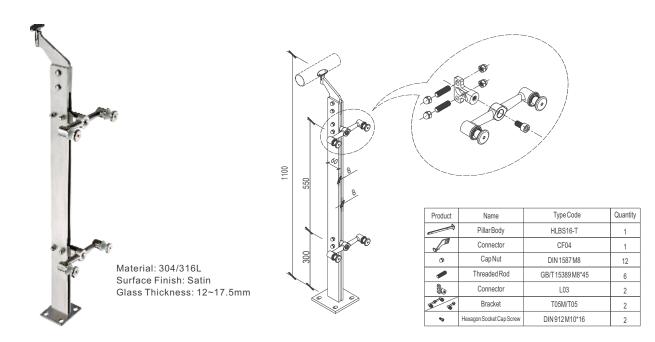




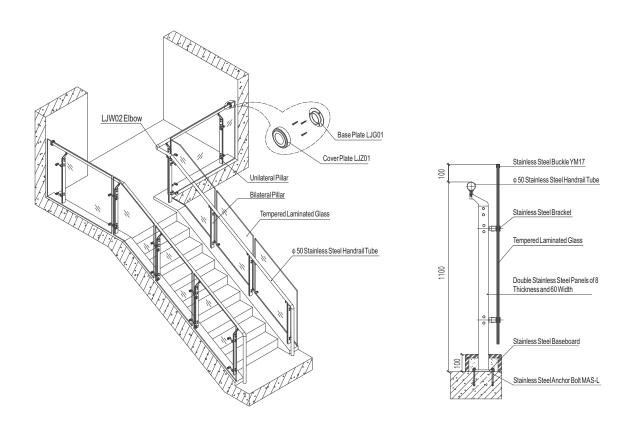






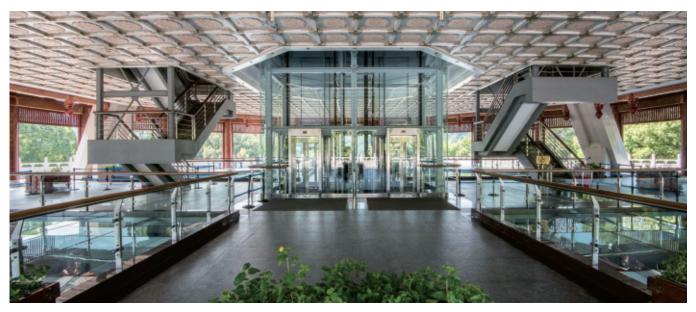


Bilateral Pillar: HLBS16-T05M Unilateral Pillar: HLBS16-T05





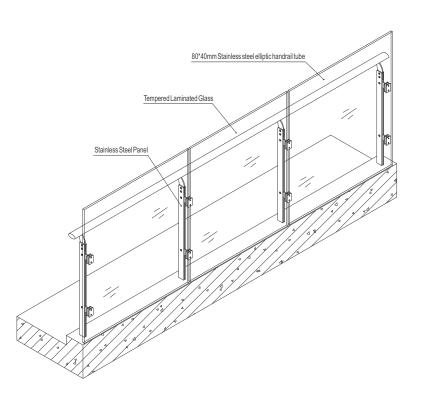


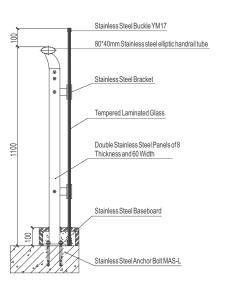








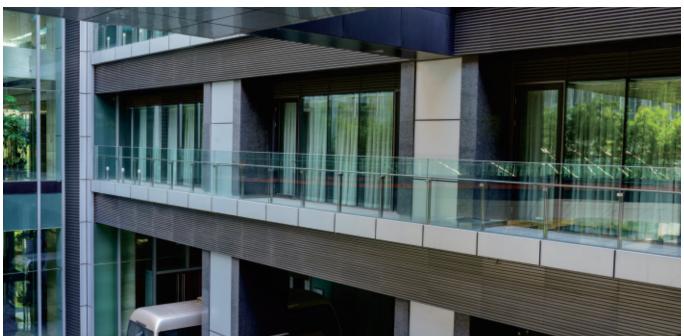




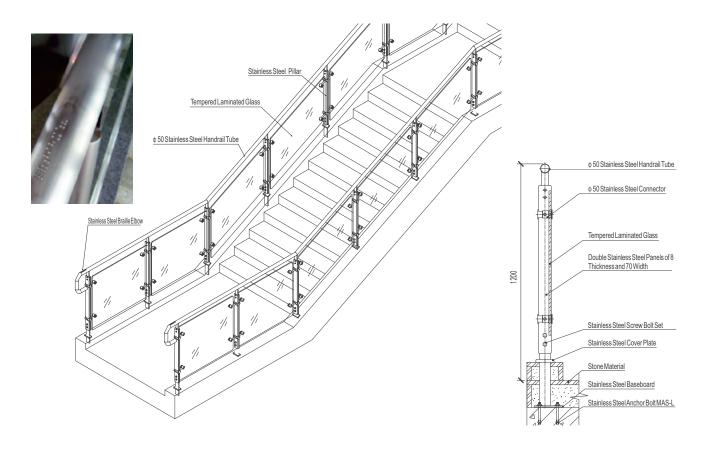








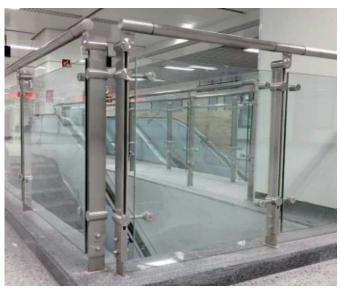








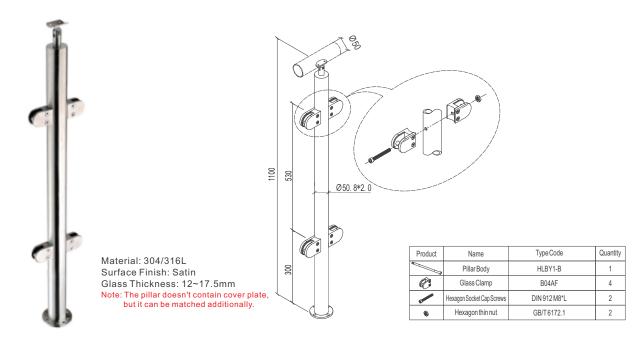




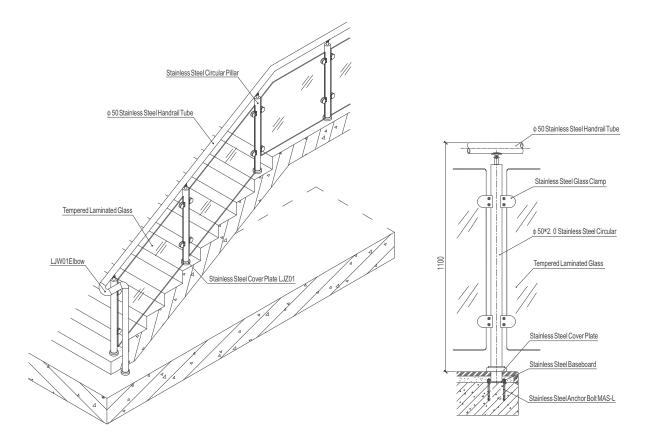




Circular Tube Pillar: HLBY1



Bilateral Pillar: HLBY1-B04AFM Unilateral Pillar:HLBY1-B04AF

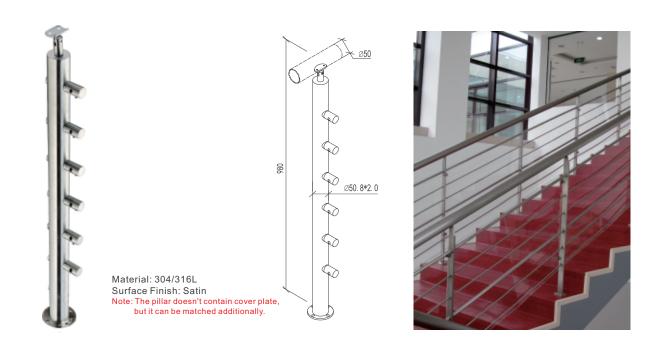


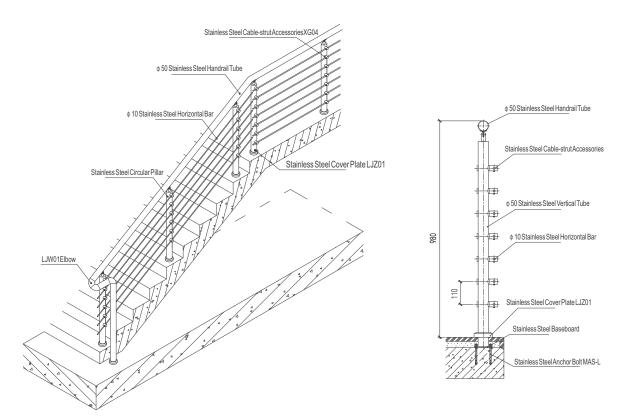






Circular Tube Pillar: HLGY1



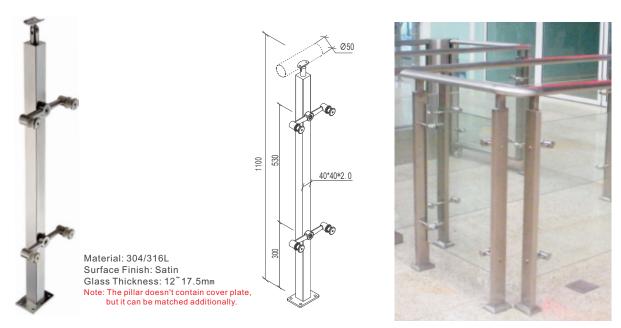




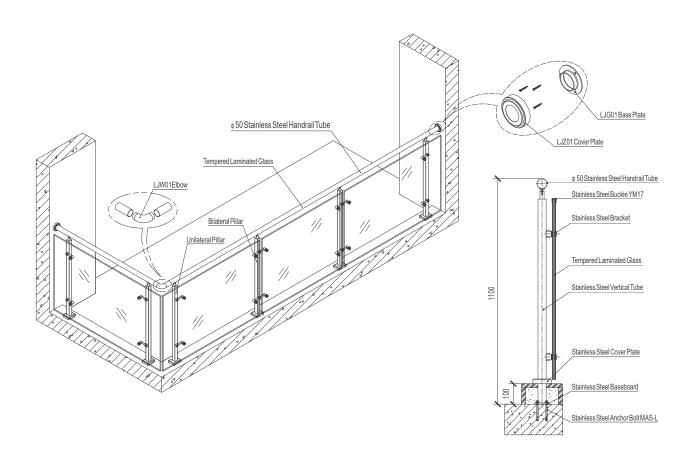




Square Tube Pillar: HLBF1

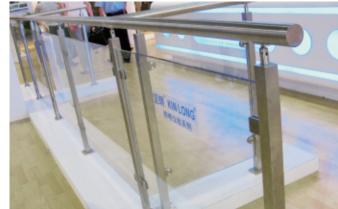


Bilateral Pillar: HLBF1-T05M Unilateral Pillar: HLBF1-T05









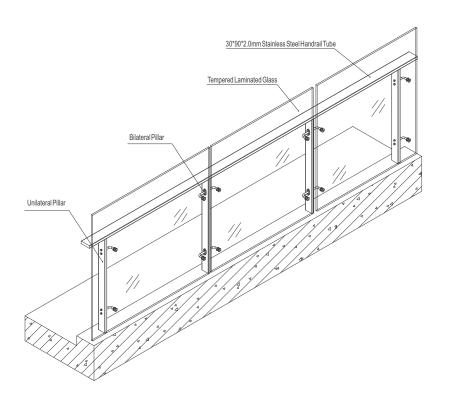


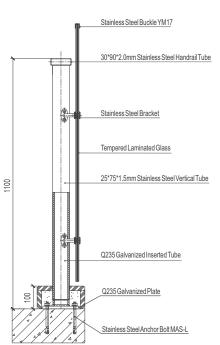


Rectangular Tube Pillar: HLBJ5



Bilateral Pillar: HLBJ5-LT14M Unilateral Pillar: HLBJ5-LT14





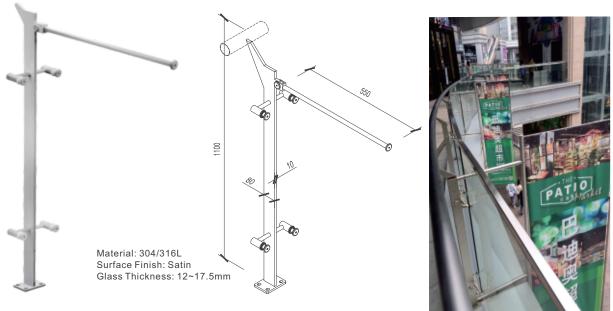




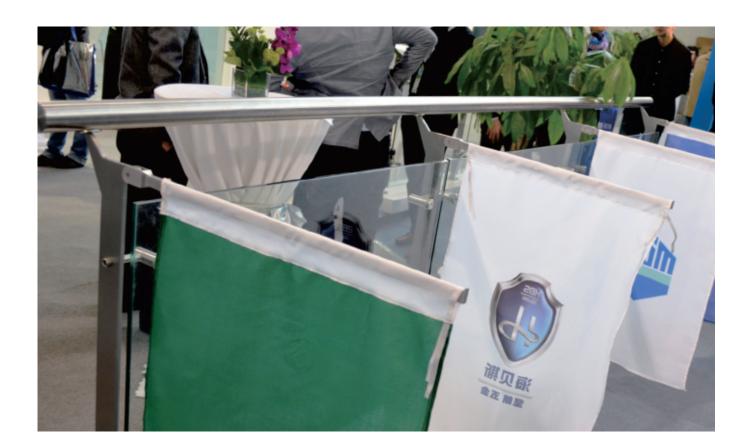




Flagpole Balustrade Pillar: HLQB1



Product Features:
Flagpole staircase pillar is commonly used in the place 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.

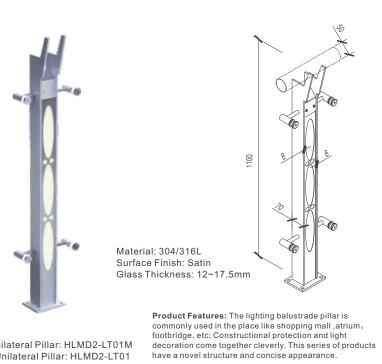




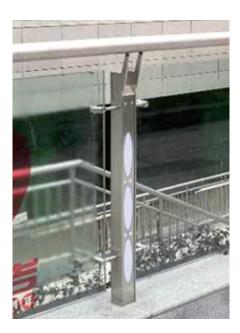




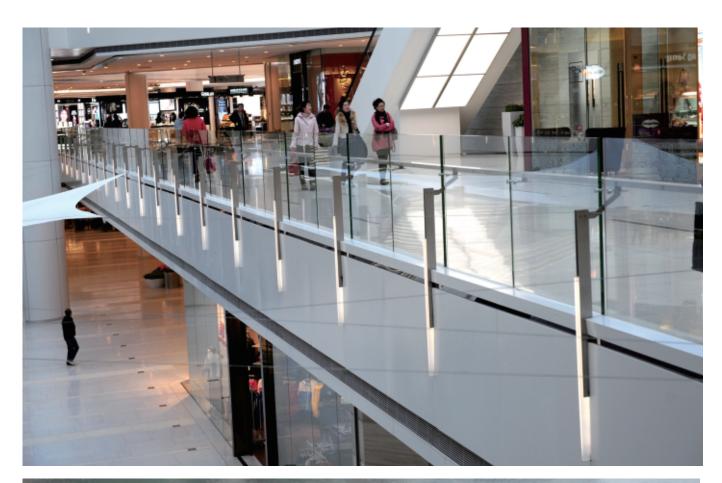
Lighting Pillar: HLMD2













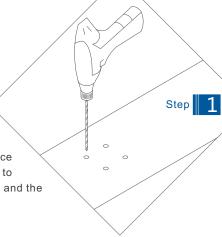
Installation of Post Railing on Ground

Step 1:Setting-out Route and Drilling Hole

I. Fixation of Expansion Bolt

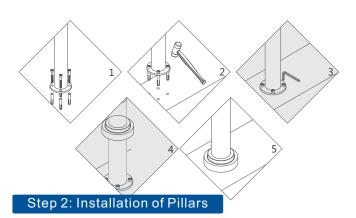
- a.Install on the floor
- b.Install on the structure panel

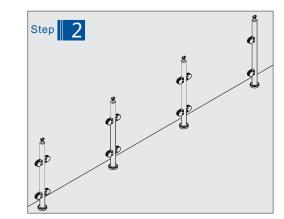
Flat the installation surface and then inspect the flatness with levelling instrument. Embedded parts should be installed in advance before installation, and then set out route and drill holes according to drawings. Setting out route should be aligned with drilling of holes, and the width between two pillar-center should not exceed 1200mm



II. Welding of Embedded Parts

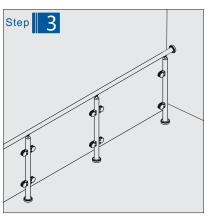
According to drawing, the embedded parts should be installed when pouring concrete structure, and the embedded parts should be horizontally installed, besides, the width between two pillar-center should not exceed 1200mm.





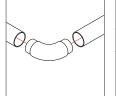
I. Fixation of Expansion Bolt

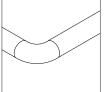
- a. Flat the installation surface
- b. Cleaning up slag in the holes after drilling
- c. Align the hole in the bottom of pillar with the hole predrilled, insert expansion bolt and strike in, so the pillar could be stick to the ground
- d. Screw up the bolt so as to fix the pillar
- II. Welding of Embedded Parts
- a. Stretch $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right$
- b. Add steel discs if the embedded parts are not horizontally installed, but this step is not necessary if the pillar is not adjustable
- c. The material of electrode should be the same as the one of pillar when welding

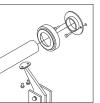


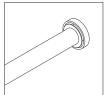
Step 3: Installation of Handrail

- a. Measure the needed length of handrail, and determine the fitting needed.
- b. Drill holes to screw in bolt, and fix handrail on the wall.
- c. Sleeve cover plate around the handrail, and sleeve the handrail around the base plate, then place the handrail onto the handrail supporter, adapt the handrail to supporter, and then connect them through welding or with bolt.
- d. Weld handrails with elbow at turning, and welding is adopted when connecting two pieces of handrail.
- e. Polish welded joints after welding.









Step 4: Glass Installation

- a. Dispatch the upper clamp on the pillar and take the dowel out.
- b. Place glass into bottom clamp and insert dowel the hole in glass and the hole in clamp coincident.
- c. Resume the upper clamp and insert dowel.



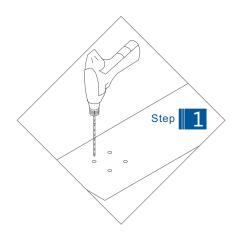
Step 5: Cleaning

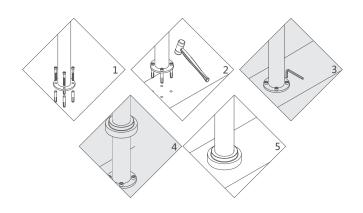
Wrap the post railing after cleaning until the construction work completes so as to avoid damages to it when constructing.

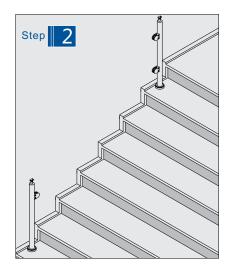
Installation of Post Railing on Staircase

Step 1 :Setting-out Route and Drilling Hole

- 1. Level installation surface on each step.
- 2. Cleaning up slag in the holes after drilling;
- 3. Align the hole in the bottom of pillar with the hole predrilled, insert expansion bolt and strike in, so the pillar could be stick to the ground.
- 4. Screw up the bolt so as to fix the pillar.

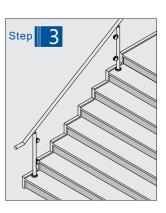






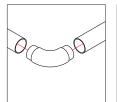
Step 2: Installation of Pillars

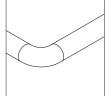
- I . Fixation of Expansion Bolt
- a. Flat the installation surface
- b. Cleaning up slag in the holes after drilling
- c. Align the hole in the bottom of pillar with the hole predrilled, insert expansion bolt and strike in, so the pillar could be stick to the ground.
- d. Screw up the bolt so as to fix the pillar.
- II. Welding of Embedded Parts
- a. Stretch wire straightly so as to determine the installation sites of pillar.
- b. Add steel discs if the embedded parts are not horizontally installed, but this step is not necessary if the pillar is not adjustable
- c. The material of electrode should be the same as the one of pillar when welding.

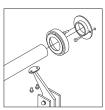


Step 3: Installation of Handrail

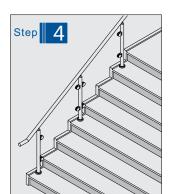
- a. Measure the needed length of handrail, and determine the fitting needed.
- b. Fix handrail onto pillar through welding or with screws, and then fix handrail and pillars on both sides.
- c.Connect handrails of each stair.











Step 4 : Middle Pillars Installation

- a.Determine the installation sites of middle pillars by closing the pillars on handrails, and mark on the determined sites.
- b.Drill holes and fix pillars, then connect handrails.

Step 5 :Glass Installation

- a.Determine the dimension of glass.
- b.Glass installation.

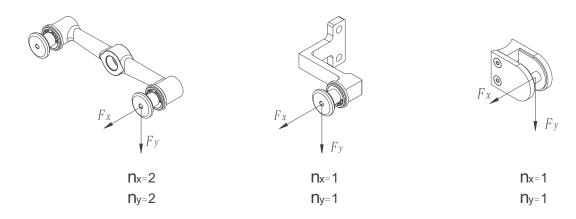
Step 6:Cleaning

Wrap the post railing after cleaning until the construction work completes so as to avoid damages to it when constructing.





Calculation of axial and radial load for model selection



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/mm $^3)$;
- g Acceleration of gravity (10 N/Kg);

2. Axial Force

 $F_x = q^*B^*H/n_x$

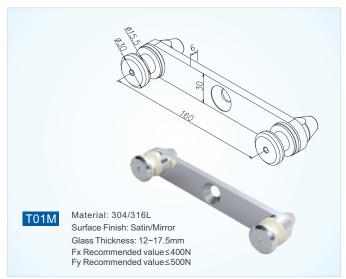
- F_x The axial force for a single point (N);
- q Surface uniform load design value, mainly refers to the wind load (N/m²);
- B The width of the glass (mm);
- H-The height of the glass (mm);
- n_x The quantity of bearing capacity points on x direction, see the above picture for details.

3、Radial Force

 $F_y = 1.2G_k/n_y$

- F_v 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

Point-supported Balustrade Bracket





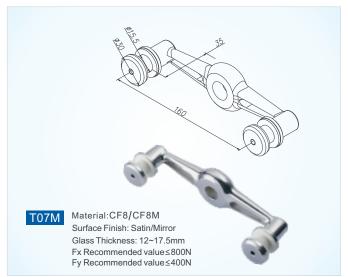








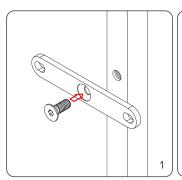
Point-supported Balustrade Bracket

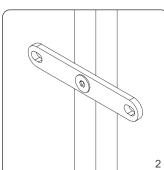


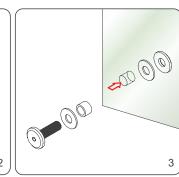


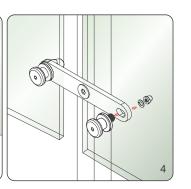








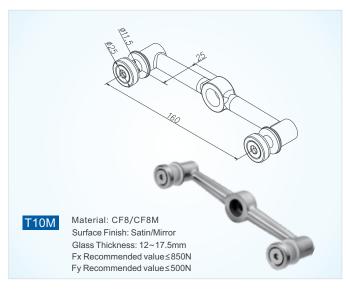




Point-supported Balustrade Bracket

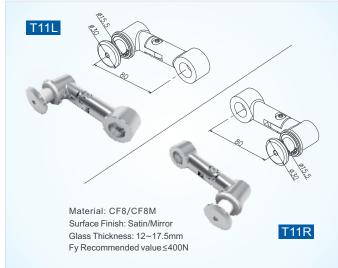




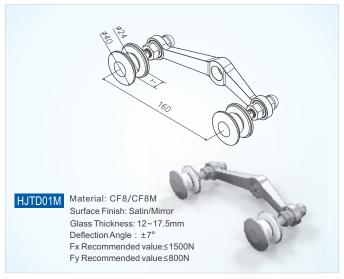








Point-supported Balustrade Bracket



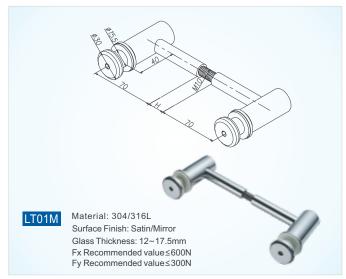






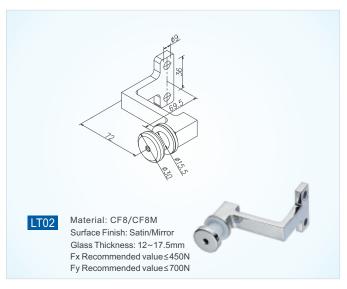


Fin-supported Balustrade Bracket





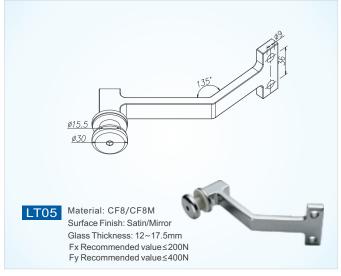


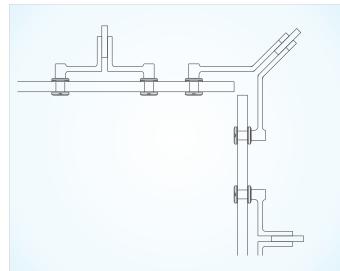






Fin-supported Balustrade Bracket









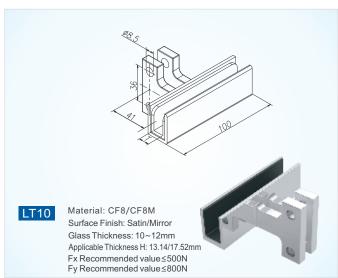




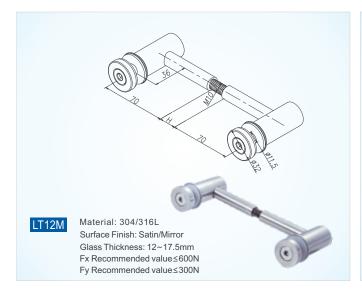
Fin-supported Balustrade Bracket













Fin-supported Balustrade Bracket





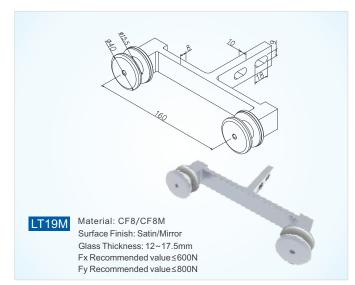








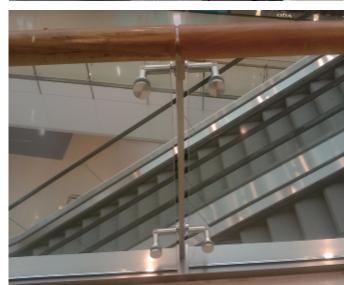
Fin-supported Balustrade Bracket











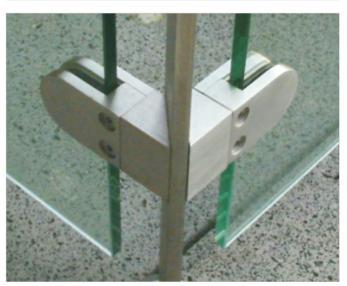


Glass Clamp

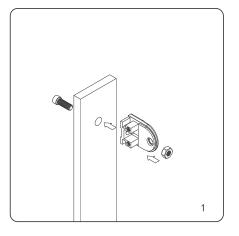


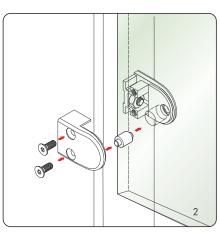


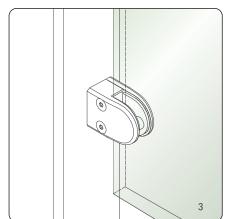




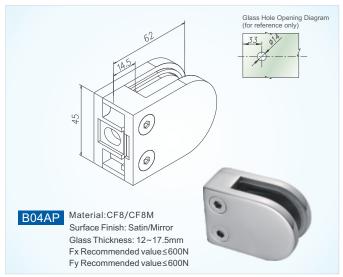
Point-fixed Type Clamp Installation Instruction





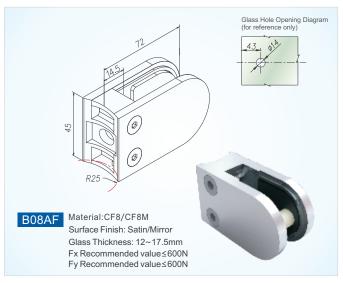


Glass Clamp











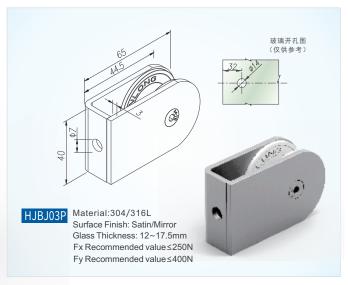


Glass Clamp













Glass Clamp

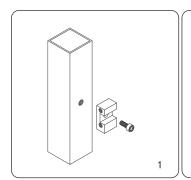


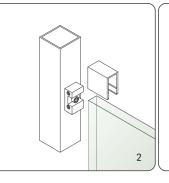


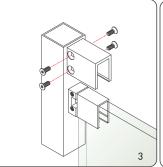


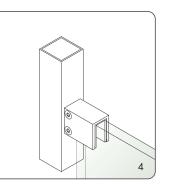


Supporting Type Clamp Installation Instruction









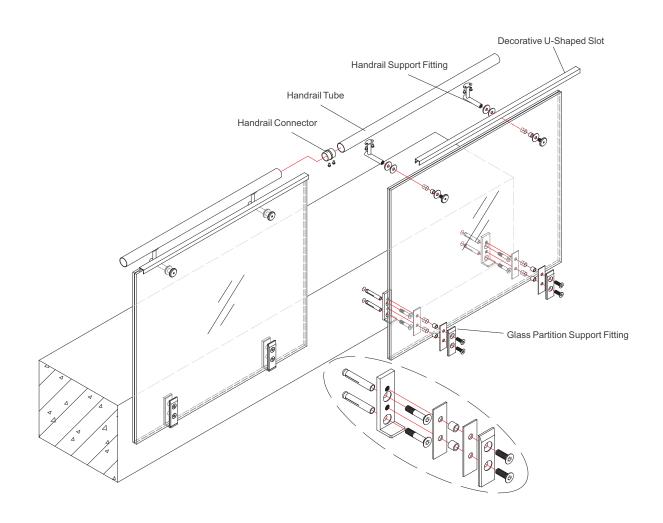
Glass Support Fitting Series



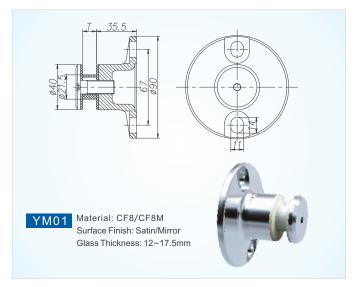


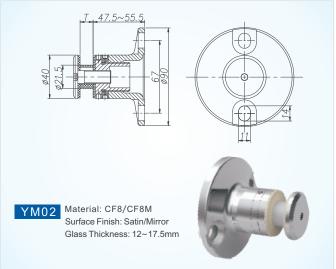






Glass Partition Support Fitting

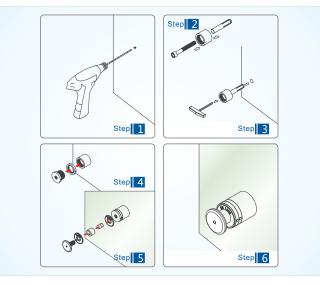












Glass Partition Support Fitting







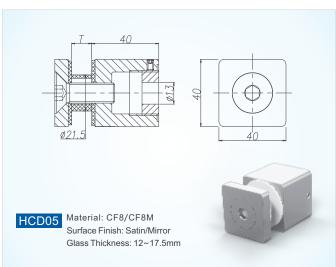


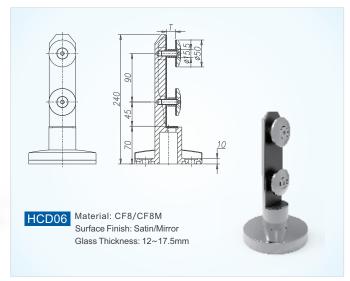


Glass Partition Support Fitting









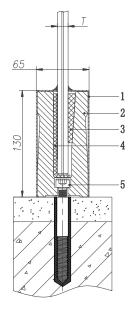




Aluminum Alloy U Groove

YM18







Cover Plate (YM18-02)
Material: 304/316L
Surface Finish: Satin/Mirror
Length: L≤3000mm



U groove (YM18-04) Material:6063-T6 Glass Thickness: 13.5/17.5mm Length:L≤6000mm



Gasket (YM18-03) Material: ABS Quantity:4 pcs/m





Cylinder Head Screw Nut Rod
(CAM-D-10N)

Material: 304+Q345B
Quantity: 4 pcs/m.

Note towardinatemical medicamet, lipiese consil and/or
protot department for demical medicamet (CAG-12)

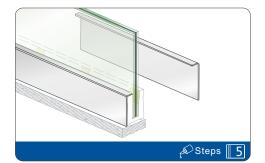
Installation Method











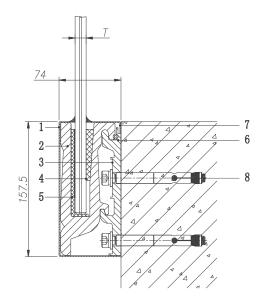




Aluminum Alloy U Groove

YM19















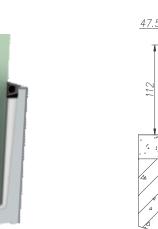


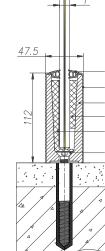




Aluminum Alloy U Groove

YM21A

















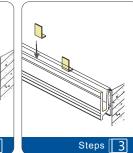




Installation Method











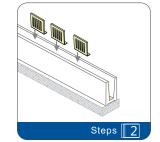






Installation Method









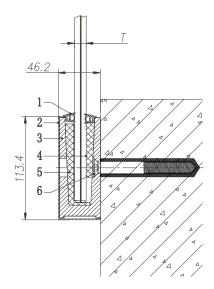




Aluminum Alloy U Groove

YM21B







Cover Plate



Accessories 1) 063-T6 s 13.5/17.5/21.5mm



Shim (YM21-1) Material: ABS



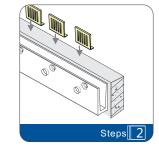
Countersunk Screw Nut Rod (CAM-D-10C) Material: 304+Q345B Quantity: 4 pcs/m Note: Mosen Costain cherical medicament, please consult and



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

Installation Method







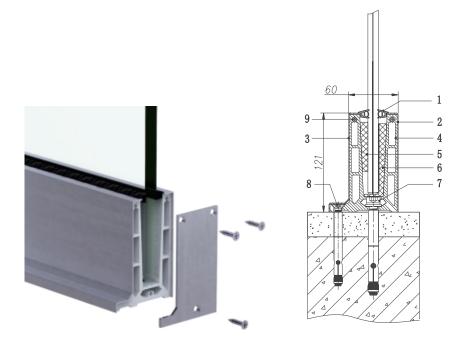


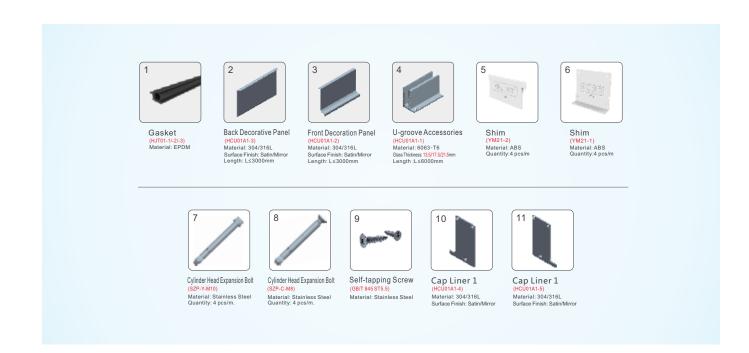




Aluminum Alloy U Groove

HCU01

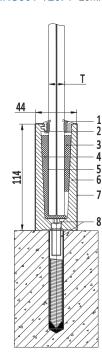




Aluminum Alloy U Groove

INS501 Series

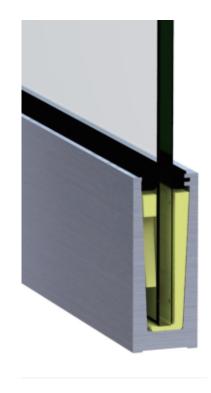
INS501-T12: T=12mm - 13.52mm INS501-T16: T=16mm - 17.52mm INS501-T20: T=20mm - 21.52mm



		Glas	ss Heigh	t(mm)	
Load Capacity	1000	1100	1200	1300	1400
Wind Load (KPa)	4	3.2	2.8	2.4	2
Live Load(KN/m)	2	1.6	1.4	1.2	1

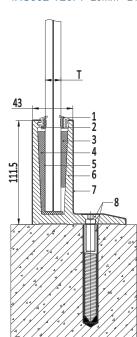
- ↑ The load capacity is for U groove system, not glass
 ↑ Structural calculation required for suitable solution
 ↑ Live load is assumed to apply on the top edge of glass
 ↑ The load capacity is for wind load or live load,not a combination

NO.	Name	Code	Qty	Material	Remarks
1	Gasket	INH203A	1	EPDM	
2	Gasket	INH203B	1	EPDM	
3		YM21-1*T			T=13.52
4	Shim	YM21-2*T	4 Pcs/m	ABS	T=17.52
5		YM21-3			T=21.52
6	U Groove	INS501-1	1	6063-T6	
7	Cover Plate	INP401	1	304	Optional
8	Anchor Bolt	CAM-D-10C	4 Pcs/m	304+Q235B	



INS502 Series

INS502-T12: T=12mm - 13.52mm INS502-T16: T=16mm - 17.52mm INS502-T20: T=20mm - 21.52mm



Load Capacity	Glass Height(mm)					
Load Capacity	1000	1100	1200	1300	1400	
Wind Load (KPa)	3	2.4	2	1.8	1.4	
Live Load(KN/m)	1.5	1.2	1	0.9	0.7	

- ↑ The load capacity is for U groove system, not glass
 ↑ Structural calculation required for suitable solution
 ↑ Live load is assumed to apply on the top edge of glass
 ↑ The load capacity is for wind load or live load, not a combination

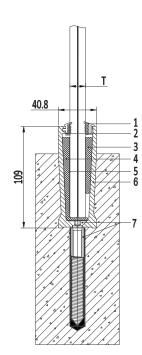
NO.	Name	Code	Qty	Material	Remarks
1	Gasket	INH203A	1	EPDM	
2	Gasket	INH203B	1	EPDM	
3		YM21-1*T			T=13.52
4	Shim	YM21-2*T	4 Pcs/m	ABS	T=17.52
5		YM21-3			T=21.52
6	U Groove	INS502-1	1	6063-T6	
7	Cover Plate	INP402	1	304	Optional
8	Anchor Bolt	CAM-D-10C	4 Pcs/m	304+Q235B	



Aluminum Alloy U Groove

INS503 Series

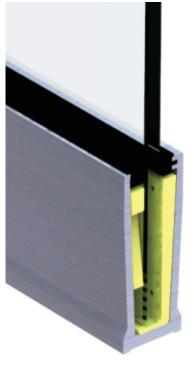
INS503-T12: T=12mm - 13.52mm INS503-T16: T=16mm - 17.52mm INS503-T20: T=20mm - 21.52mm



Land Camanita		Glas	ss Heigh	t(mm)	
Load Capacity	1000	1100	1200	1300	1400
Wind Load (KPa)	0.8	0.64	0.56	0.64	0.4
Live Load(KN/m)	0.4	0.32	0.28	0.23	0.2

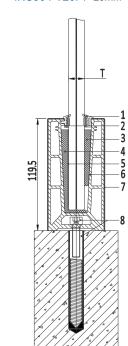
- ↑ The load capacity is for U groove system, not glass
 ↑ Structural calculation required for suitable solution
 ↑ Live load is assumed to apply on the top edge of glass
 ↑ The load capacity is for wind load or live load,

The load capacity is for will load of live load, for a combination								
Name	Code	Qty	Material	Remarks				
Gasket	INH203A	1	EPDM					
Gasket	INH203B	1	EPDM					
	YM21-1*T			T=13.52				
Shim	YM21-2*T	4 Pcs/m	ABS	T=17.52				
	YM21-3			T=21.52				
U Groove	INS503-1	1	6063-T6					
Anchor Bolt	CAM-D-10C	4 Pcs/m	304+Q235B					
	Name Gasket Gasket Shim U Groove	Name Code Gasket INH203A Gasket INH203B YM21-1*T YM21-2*T YM21-2*T YM21-3 U Groove INS503-1	Name Code Qty Gasket INH203A 1 Gasket INH203B 1 Shim YM21-1*T 4 Pcs/m YM21-2*T 4 Pcs/m YM21-3 1	Name Code Qty Material Gasket INH203A 1 EPDM Gasket INH203B 1 EPDM YM21-1*T YM21-2*T 4 Pcs/m ABS YM21-3 U Groove INS503-1 1 6063-T6				



INS504 Series

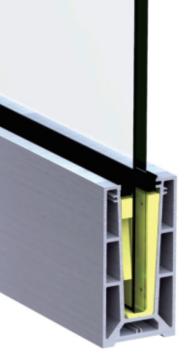
INS504-T12: T=12mm - 13.52mm INS504-T16: T=16mm - 17.52mm INS504-T20: T=20mm - 21.52mm



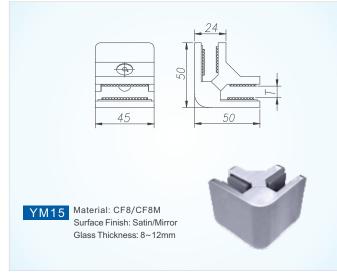
L O it -	Glass Height(mm)					
Load Capacity	1000	1100	1200	1300	1400	
Wind Load (KPa)	6	5	4	3.4	2.8	
Live Load(KN/m)	3	2.5	2	1.7	1.4	

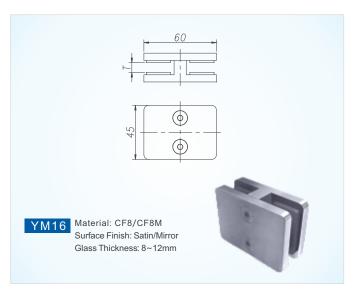
- ↑ The load capacity is for U groove system, not glass
 ↑ Structural calculation required for suitable solution
 ↑ Live load is assumed to apply on the top edge of glass
 ↑ The load capacity is for wind load or live load,

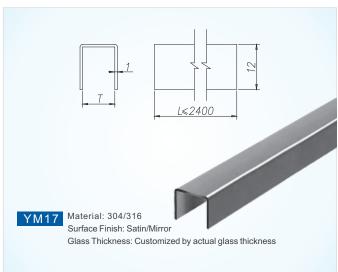
NO.	Name	Code	Qty	Material	Remarks
1	Gasket	INH203A	1	EPDM	
2	Gasket	INH203B	1	EPDM	
3		YM21-1*T			T=13.52
4	Shim	YM21-2*T	4 Pcs/m	ABS	T=17.52
5		YM21-3			T=21.52
6	U Groove	INS504-1	1	6063-T6	
7	Cover Plate	INP403	1	304	Optional
8	Anchor Bolt	CAM-D-10N	4 Pcs/m	304+Q235B	·

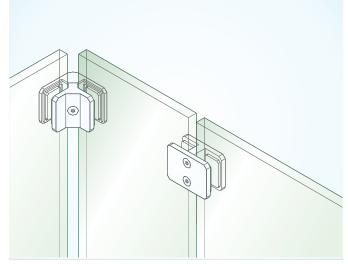


Glass Connector













Handrail Fitting Series



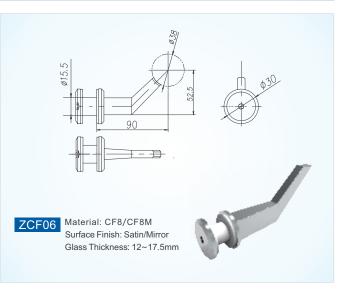


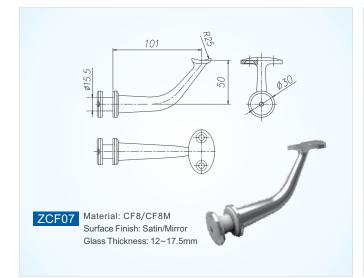
Handrail Supporting Connected to Glass







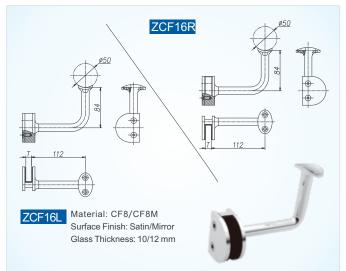


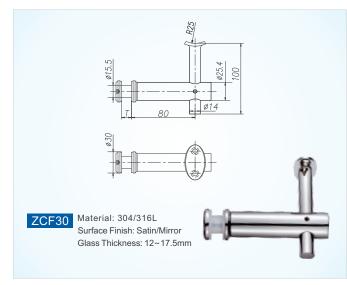


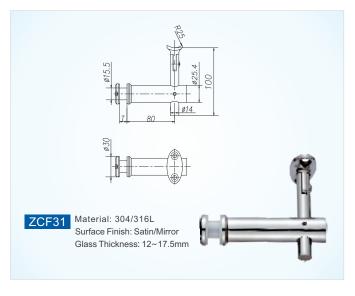


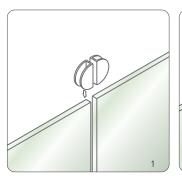
Handrail Supporting Connected to Glass

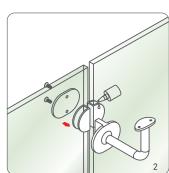


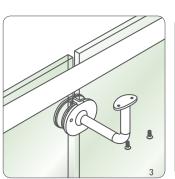


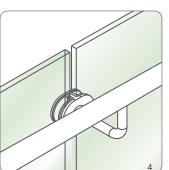




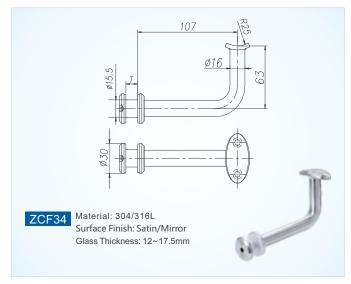






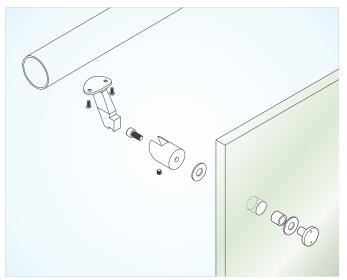


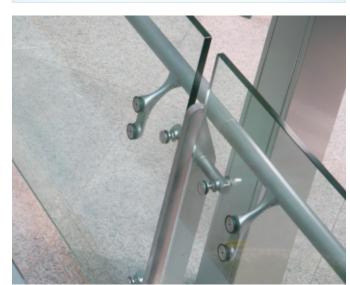
Handrail Supporting Connected to Glass





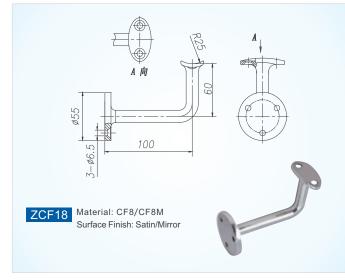




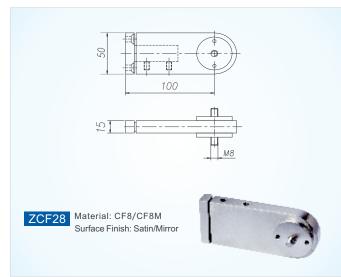




Handrail Supporting Connected to Wall







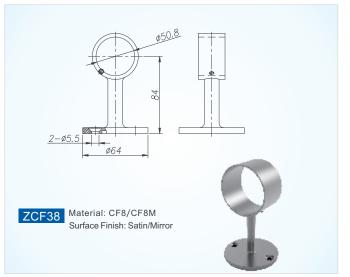


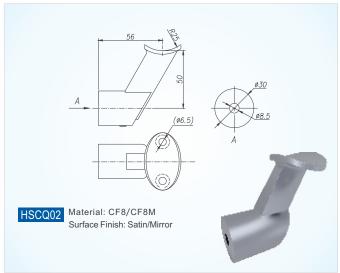


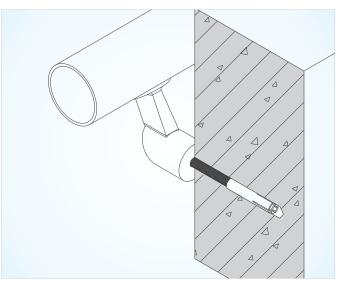


Handrail Supporting Connected to Wall



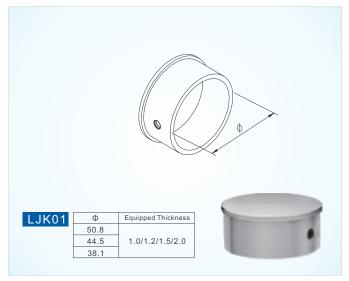






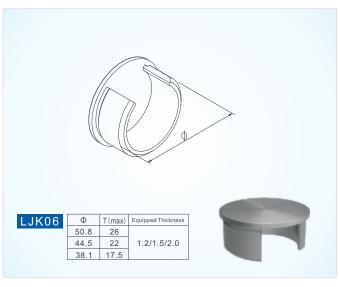


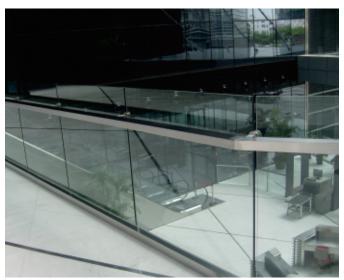
End Cap







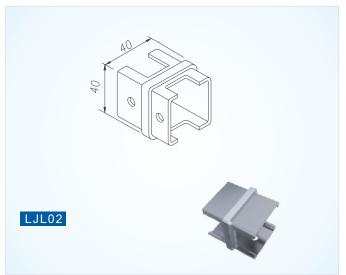




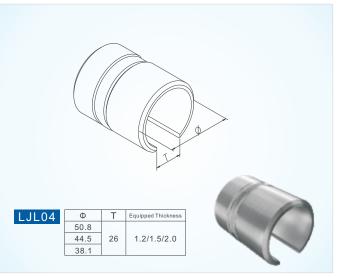


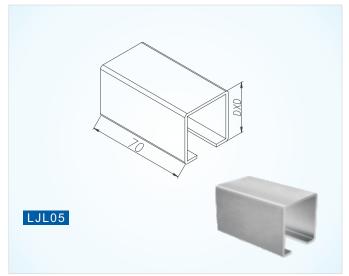
Connector

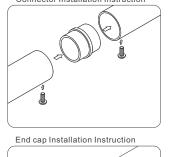


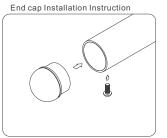


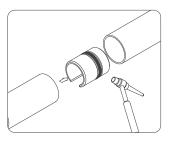


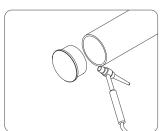




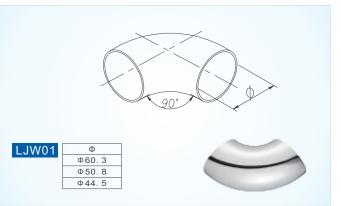


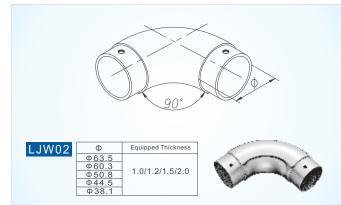


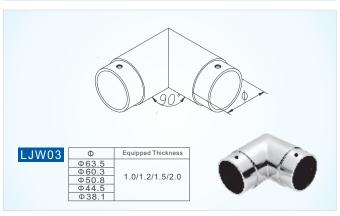




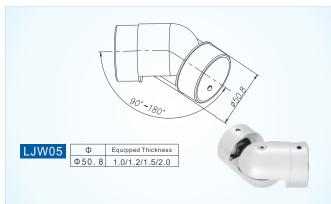
Elbow



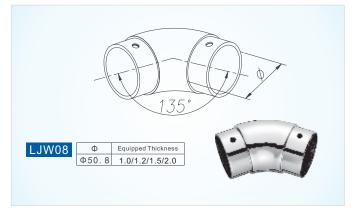


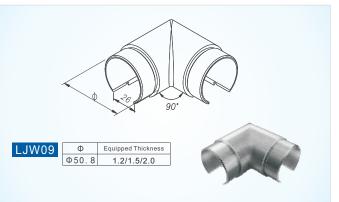








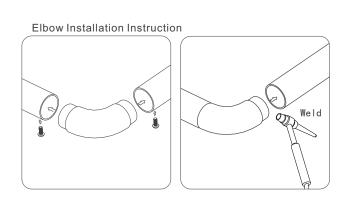




Elbow





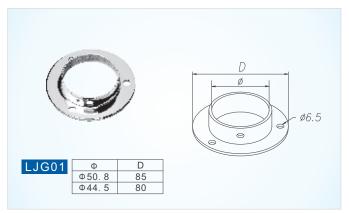




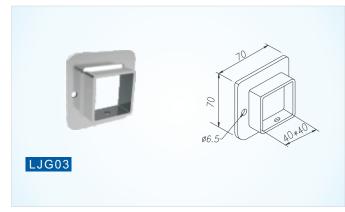




Base Plate

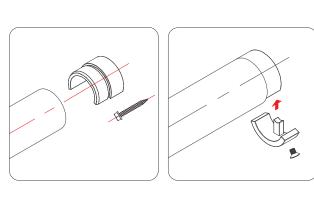
















Cover Plate



Base Plate and Cover Plate Installation Instruction

A*B 43*83 49*103





LJZ07



Cable-strut 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)	ф3.0 ф4.0 ф5.0 ф6.0	6.37 9.51 14.7 18.6	3.70 6.50 10.5 15.1
6×19+1WS (7×19)	ф4.0 ф5.0 ф6.0	10.7 17.4 23.5	6.7 10.5 14.9

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

Micro Cable Accessories



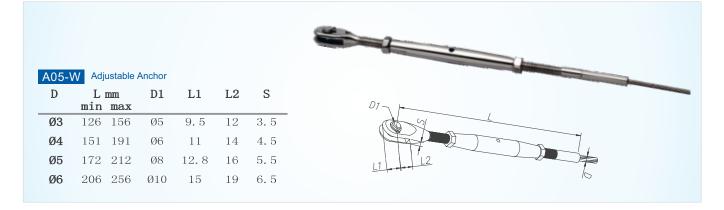
Diagram for Micro Cable Assembly

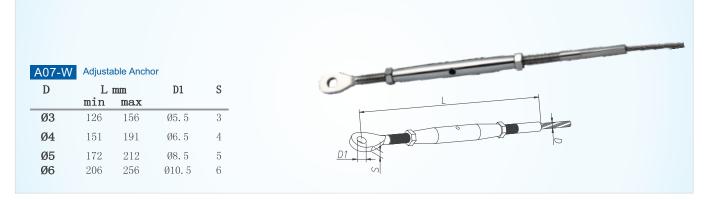


Anchor



A01-W	Adjusta	ıble Ancho	or
D		mm max	M M
Ø3	121	151	М5
Ø4	149	190	M6
Ø5	171	215	M8
Ø6	205	250	M10



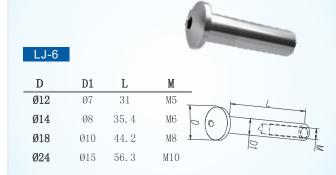


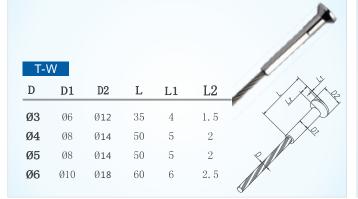
Anchor

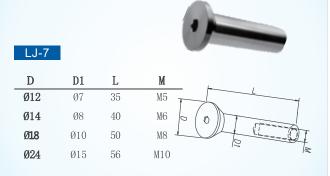






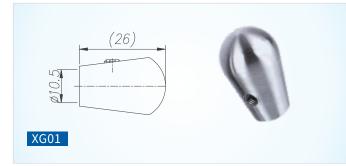


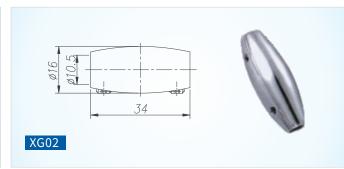


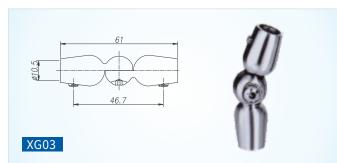


Micro Bar Accessories

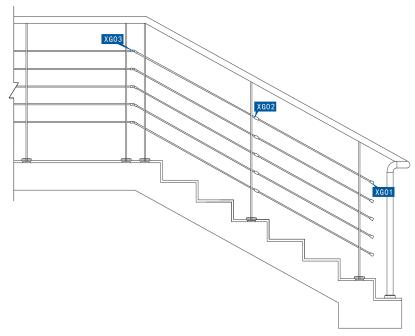


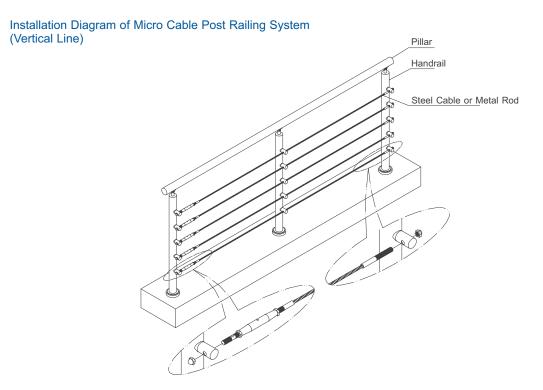






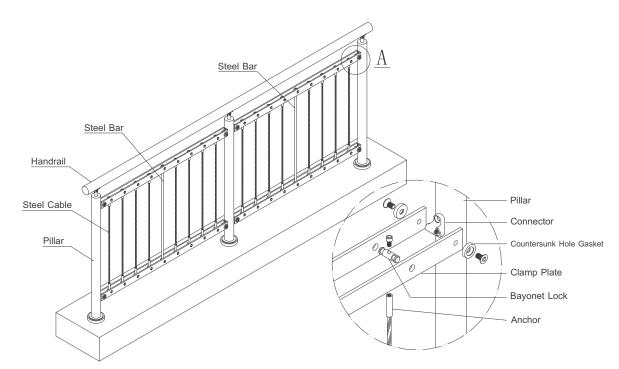






Note: The platform is not recommended to use the horizontal steel cable post railing system. This type of post railing is suggested to be used at the staircase and slope places.

Installation Diagram of Micro Cable Post Railing System (Vertical Line)











Assembled Staircase N01











- ① N01-01 Upper Supporter
- ② Glass Step
- ③ N01-10 Wall Supporter
- 4 N01-08 Connecting Rod
- ⑤ N01-09 Step Supporter
- ⑥ N01-11 First Step Supporter.
- No1-05 First Step Supporter
- ® N01-04 Second Step Supporter
- 9 N01-03 Second Step Keel
- 10 N01-02 Keel
- ① N01-06 Strengthened Supporter
- Supporting Tubes
- ® N01-07 Strengthened Supporting Cap

Note: Adjacent steps must be connected with connecting rod.

Reference style of #1 stair Installation.



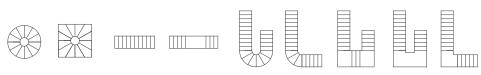










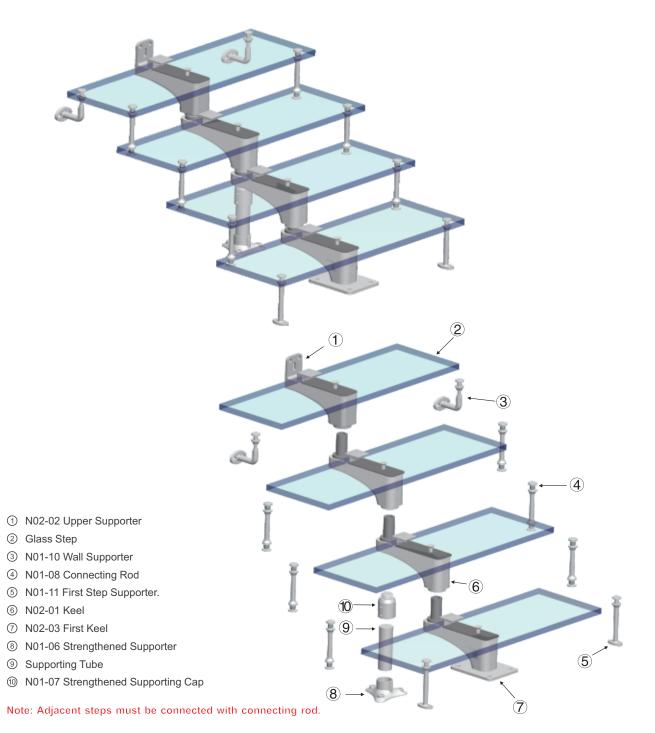








Assembled Staircase N02



Reference style of #1 stair installation.

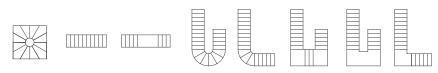














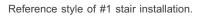






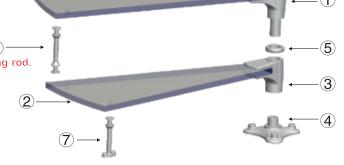
- ① N03-01 Keel
- ② Glass Step
- 3 N03-02 First Keel
- ④ N03-03 First Supporter
- ⑤ N03-04 Flange Ring
- 6 N01-08 Connecting Rod
- ⑦ N01-11 First Step Supporter

Note: Adjacent steps must be connected with connecting rod.

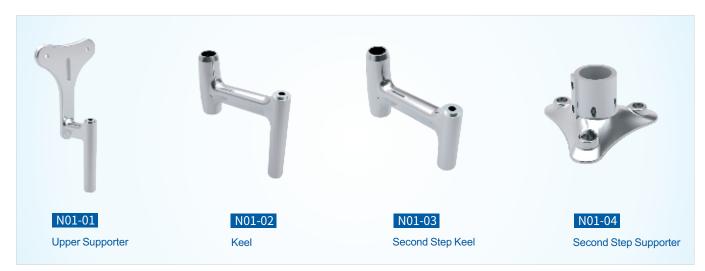








Assembled Staircase Accessories







Assembled Staircase Accessories

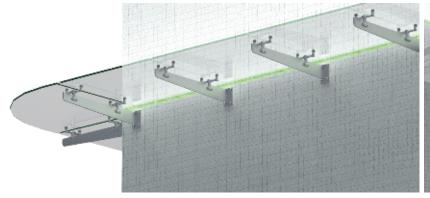


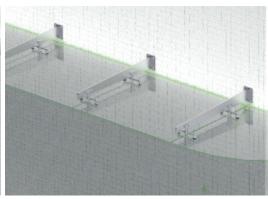


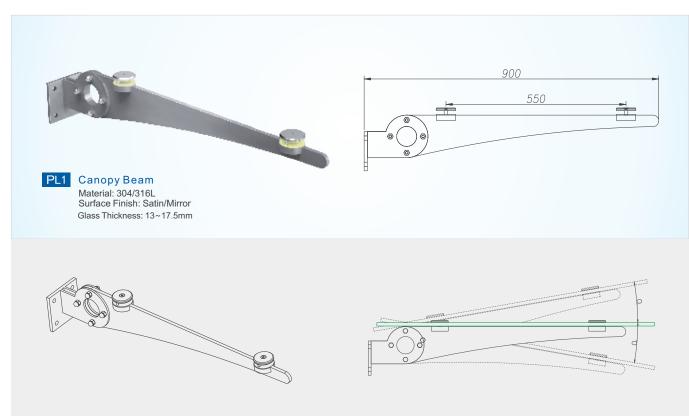




Canopy Beam

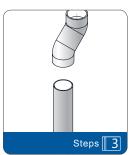














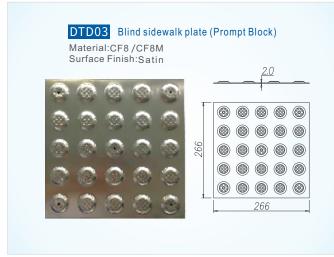


Metro Products













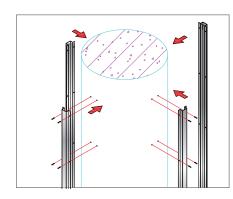


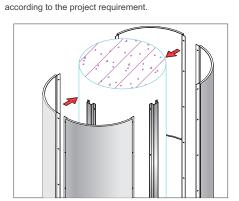


Sheet Metal Products

Stainless Steel Column Covers

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

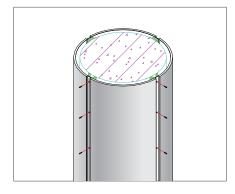


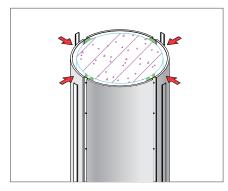


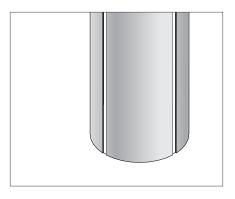
Note: Sheet metal unfolding size is less than

1500mm and the length of the size is less than

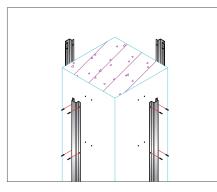
3000mm. All products should be customized

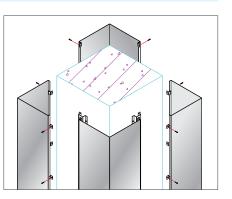


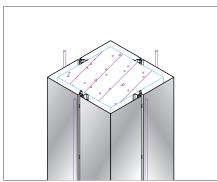


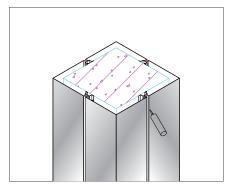


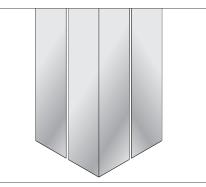












Commonly Used Pipe Specifications





















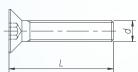
Note: Above specifications are for your reference only. Any other specification is required, please consult us.

Common Fasteners Matching Table

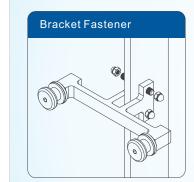
Bracket Fastener

Hexagon Socket Countersunk Screw (DIN 7991)

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







Threaded Bolt (GB/T 15389)

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

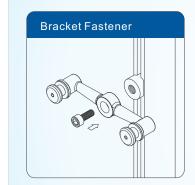
Cap Nut(DIN 1587)

Mark Example:

Nut DIN1587 M8







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







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







Post Railing Project Cases

Beijing Capital International Airport Guangzhou Baiyun International Airport Tianjin Binhai International Airport Yunnan Kunming International Airport Shanxi Taiyuan International Airport Nanning Wuwei International airport Jiangxi Nanchang International Chongqing Jiangbei International Airport Terminal T3 Taiwan Taoyuan International Airport Singapore Changi Airport Thailand Suvarnabhumi Airport Kenya International Airport Tokyo International Airport Doha International Airport OMAN Muscat International Airport Abu Dhabi Airport The Emirates Aviation Building Abu Dhabi International Airport Cairo International Airport Terminal 2, Abuja Nnamdi Azikiwe International Airport The Queen Alia International Airport Las Vegas casino International Airport

Shanghai Expo Center

Oriental Pearl of Shanghai

Ningbo International Financial Services Center
Zhenjiang Sports Center

Xi'an Baliu (Xi'an Horticultural Exposition)

Shenzhen Pingshan Cultural Center

Ningbo Cultural Center

Ningbo International Financial Center

Xiamen Straits Conference Center

Wuxi World Trade Center

Kunming Dianchi Exhibition Center

The Observation Deck of Beijing Olympic sports park

Hong Kong Asia International Expo

Xiamen Jiageng Stadium

Thai parliament project

Kuwait new international airport administrative building

Algeria Airport New Terminal Project

Tianjin Olympic Sports Center

Chengdu Metro Line 5, 7,10

Fuzhou rail Transit Line 1,2

Shenzhen Metro Line 11

Wuxi Metro Line 2

Xi'an Metro

Shijiazhuang Metro

Changzhou Railway Station

Zhengzhou East Station

Tianjin Railway Station

Xi'an North Railway Station

Hong Kong West Kowloon High-speed Railway Station

Chengdu Second Ring Road Bus Rapid Transit System

Hangzhou Ginkgo Biloba
Hainan Island
Zhuhai Renheng Peninsula Garden
Yunnan Mountain bay
Tianjin Jewelry Garden
Xiamen Contemporary Heaven
Xiamen Hangho Qishang
Fuzhou East Lake • Yue Rong Bay
Chengdu Central Iron Rose Art City
Qinhuangdao Golden Dream Bay
Zhongshan Longshan Hua Fu
Guangzhou Time Bund
Flower capital of Guiyang Forest City

Zhongshan Xinghui Bay

Fujian Radio and Television Center
Kunming Party and Government Center
Xi'an Radio and Television Center
Guangzhou Mobile Branch
Comprehensive Dispatching Building of Henan Electric Power Company
Russian State Building
Guangzhou Jinhai Mansion
Wuhu Huadian Complex Building
Beijing Petro China Building
Wuxi World Trade Center
National Development Bank
Wuxi Radio and Television Media
Office Building of Zigong Yun Machine Group

Beijing Chaoyang Joy City Beijing Huazheng Building Beijing COFCO Plaza Wangfujing Department Store Shanghai jinhongqiao International Center Shanghai Yueyang Plaza Shanghai Shopping Center Guangzhou Zhujiang New Town Shenzhen Vanke One City Shenzhen Yitian Holiday Shopping Center Shenyang Heng Long square Shenyang Joy City Shenyang glory Plaza Shenyang Pengli Square Shenyang Henglong Middle Street Capitaland Raff City Chengdu Chengdu Maoye Center Yunnan Qujing Commercial Building Kuming Jialianhua Square Kunming Shuncheng Shopping Center Lanzhou New World Shopping Square Zhenzhou MIXC Wuhan IKEA Hangzhou MIXC Kuwait University City Project Algeria Oran Shopping Mall Bulgarian Varna Shopping Center Singapore Binhai Bay Comprehensive Entertainment City Australian Top West Mansion

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 Hotels
Dali Hilton Hotel
Hong Kong West Kowloon Hotel

Airport









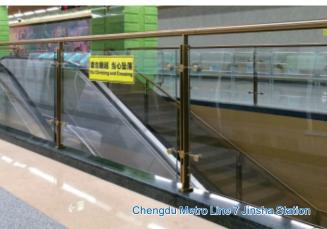




Station

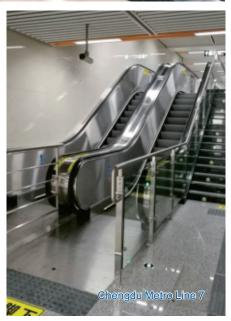












Commercial Complex











Commercial Complex





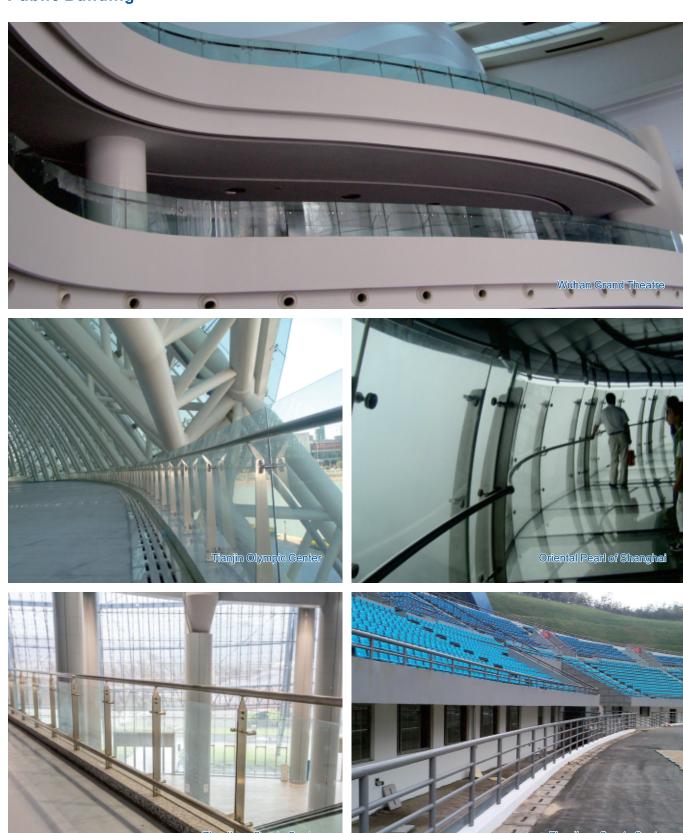




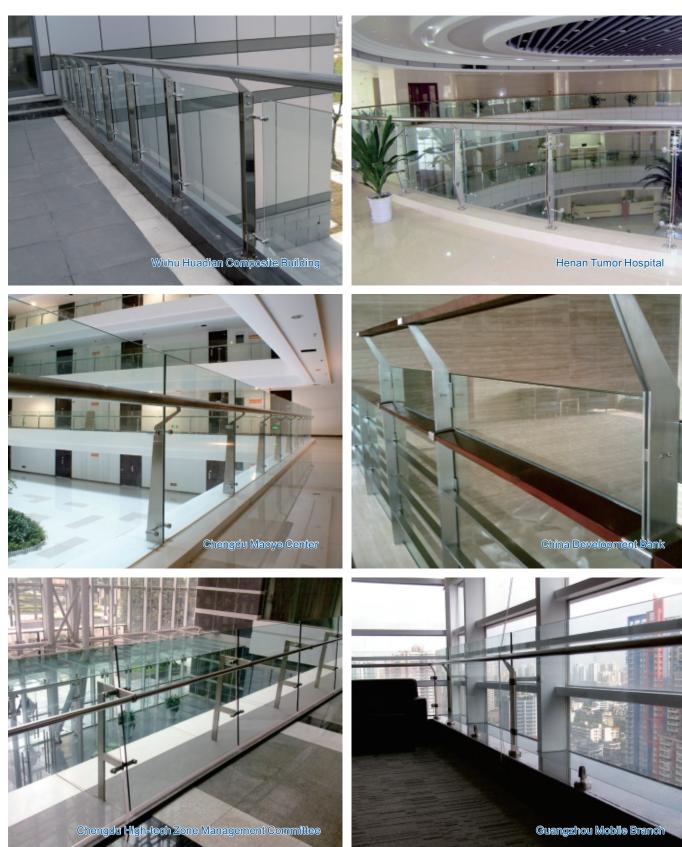




Public Building



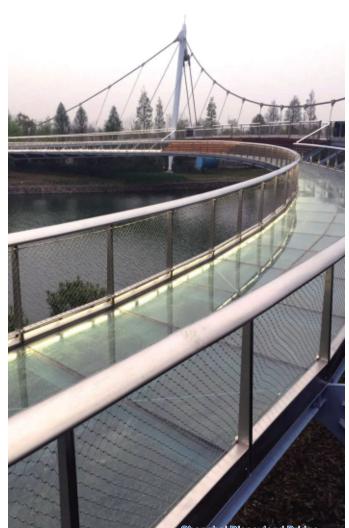
Others



Others











Others







Others









Others







