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KIN LONG  
Construction Hardware Expert

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Post Railing Systems Typical Product Catalogue



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Product Catalogue



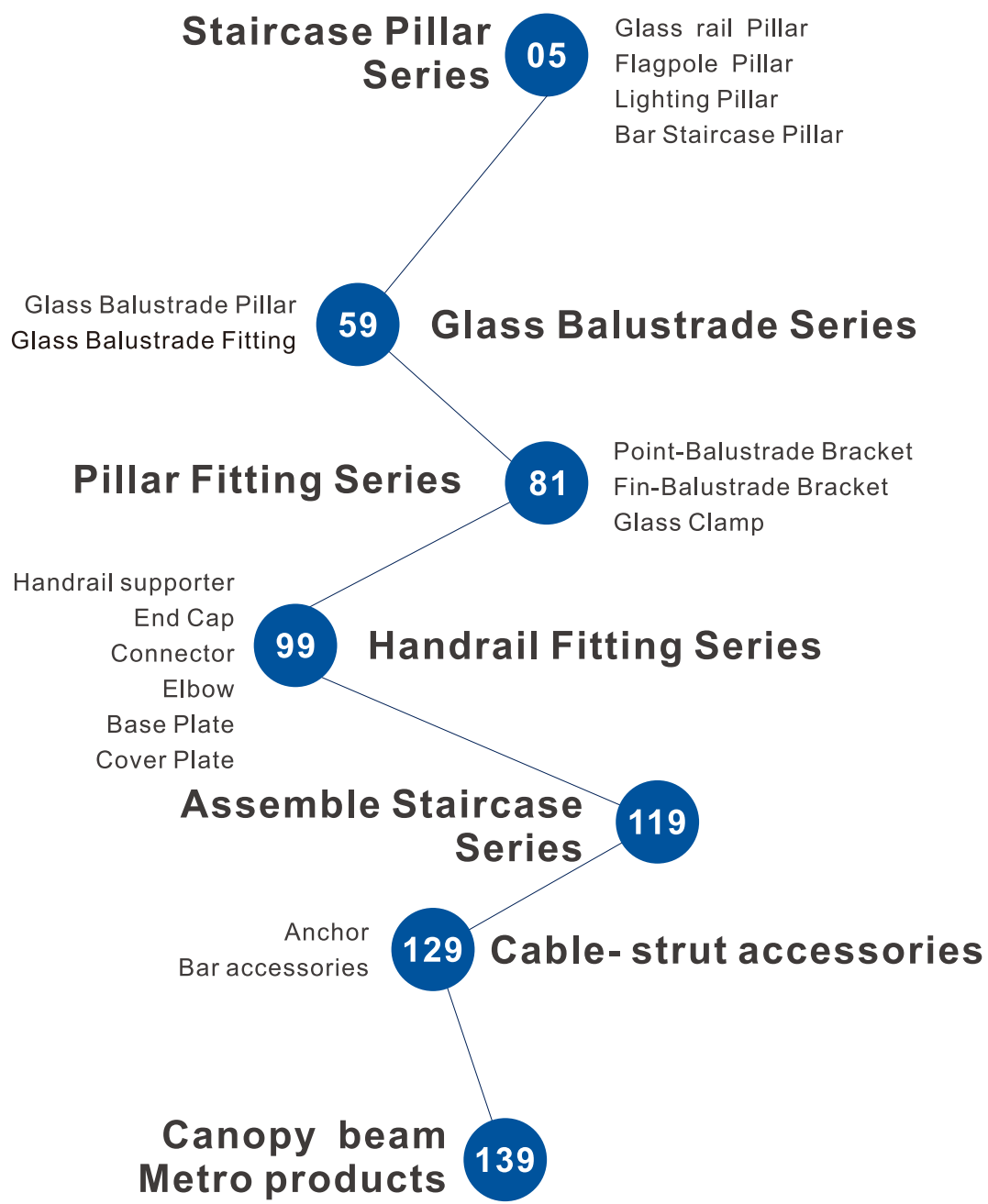
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# Content



## Introduction for product material

### I Selection of stainless steel material

Commonly used material : Non-cast stainless steel material meets with standard:ASTM A276, ASTM A269,ASTM A666,ASTM A240,ASTM A240M;Cast stainless steel material meets with standard:ASTM A743/A743M.Our commonly used material as follows:

- Hot rolled sheet,cold rolled sheet,decoration tube(or pipe),the material mainly:316L、304;
- Seamless steel tube(or pipe),the material mainly:TP316L、 304;
- Stainless Rod,the material mainly:316、 304;
- Cast stainless steel material mainly:CF8M、 CF8.

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

### II The Chemical composition of stainless steel

UNS	Chemical composition										其它元素	Standard ( ASTM )
	C ≤	Mn ≤	P ≤	S ≤	Si ≤	Cr	Ni	Mo	N			
304	0.08	2.00		0.030		18.00 ~ 20.00	8.00 ~ 11.00	—	—	—	A 276 A 666	
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	—	A269 A240/A240M	
CF8	0.08	1.50	0.04	0.04	2.00	18.00 ~ 21.00	8.00 ~ 11.00	—	—	—	A743/A743M	
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 Matters Need Attention When Storing and Installing

- 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;
- ⑦ Insure pillars are perpendicular to the ground when install them;
- ⑧ Add gaskets or cushion block between glass and hardware in case they contact directly.
- ⑨ Stainless steel products should be cleaned and maintained regularly, as they will get rusted in terrible environment.

## II Some usual contaminants of stainless steel and cleaning method

- 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.
- ⑧ 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.

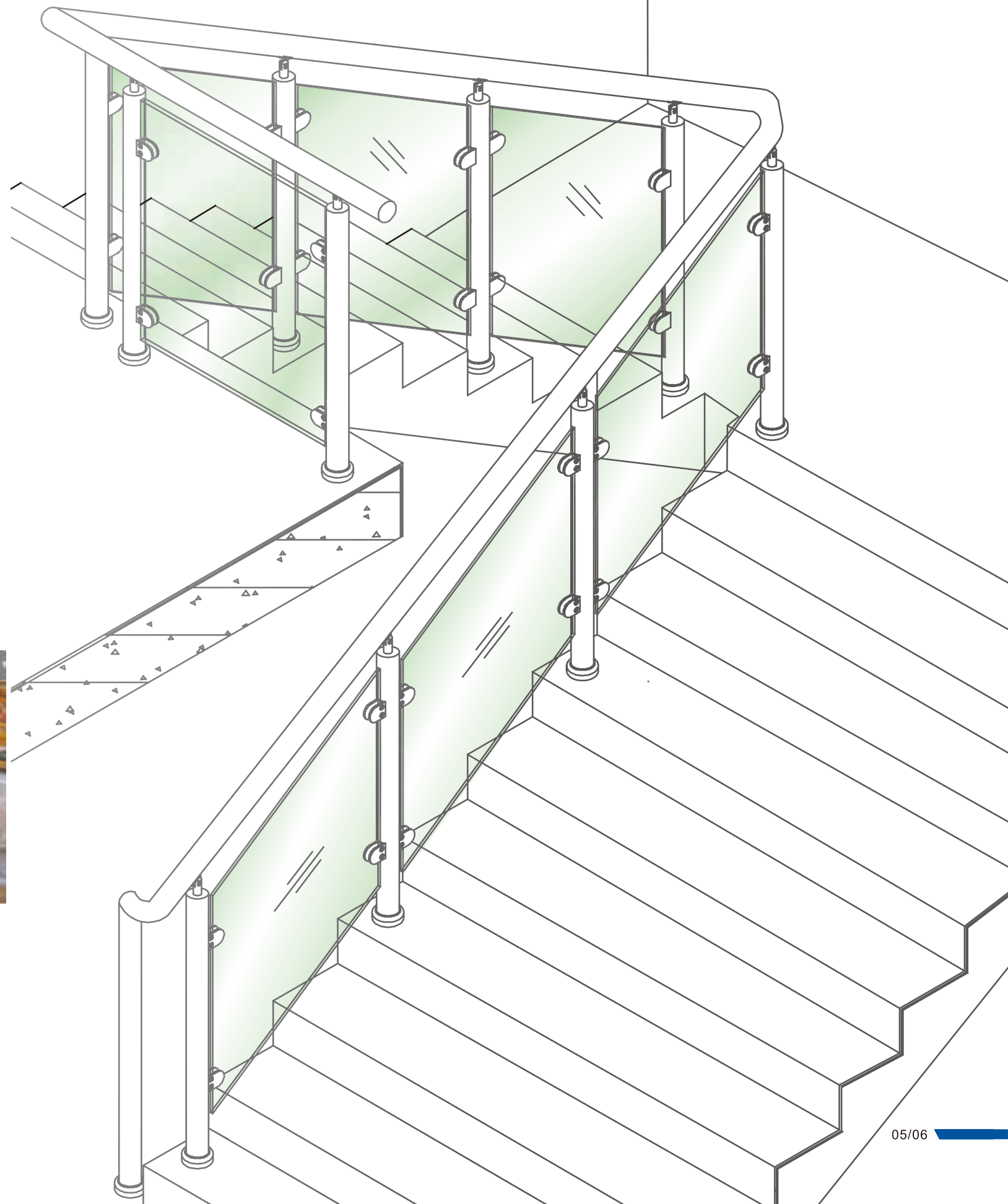
## III Matters Need Attention in Daily Maintenance

- 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.

Environment		Villages and towns (times per year)	City (times per year)	Industrial district		Coastal district	
Location	Sastructure			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
	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
	With contaminants accumulated	2 ~ 3	4 ~ 5	4 ~ 5	5 ~ 6	4 ~ 5	5 ~ 6





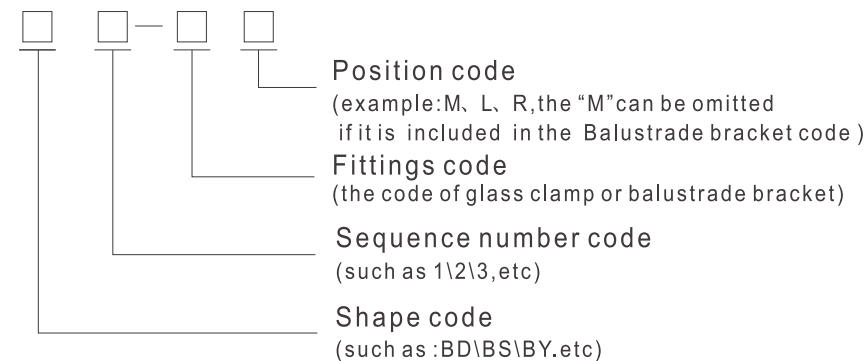
## Glass Balustrade Pillar

### I Classification Code:

#### 1、Classified by the shape of pillar's body

- a) Single plate pillar, Code: BD
- b) Double plate pillar, Code: BS
- c) Circular tube pillar, Code: BY
- d) Flat Elliptical tube pillar, Code: BP
- e) Square Tube pillar, Code: BF
- f) Rectangular Tube pillar, Code: BJ

### II Principle of code



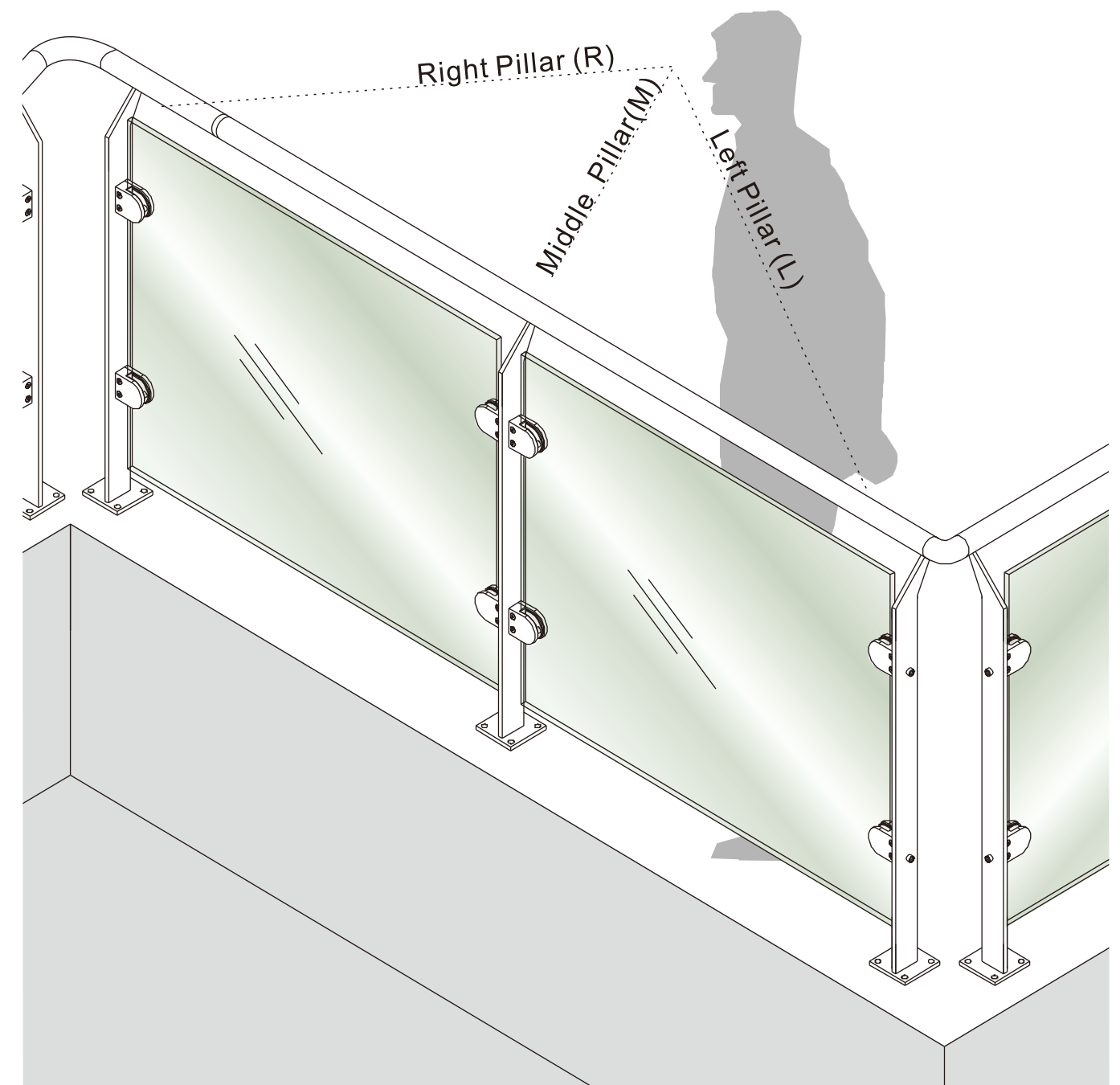
For example: Code BD1-T05M, means: Single plate glass staircase code BD1, installed in the middle position, and matched with T05M Balustrade bracket.

### III Product Features

Glass staircase pillar commonly used on staircase railing, bridge guardrail, balcony, curtain wall protection, shopping mall atrium and so on, this series pillars not only possess a very good mechanical property and anti-corrosion performance, but also the surface has good metallic luster, strong permeability, elegant appearance and High safety performance, make the architectural aesthetics, architectural function, architectural energy efficiency and architectural structure combined organically, which have become a mainstream trend.

#### Note:

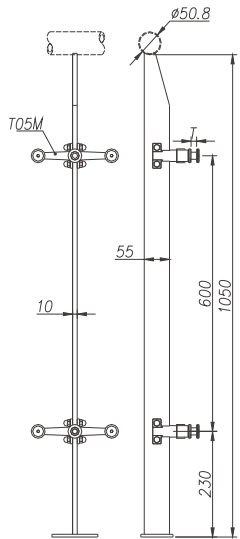
- 1、We mainly supply the pillar with a height of 1050mm, and only matched with handrail  $\Phi 50.8\text{mm}$ , if you need other height or matched with other dimension handrail, please mark out before placing order.
- 2、when no specific parameter (actual pillar height), please adopt our standard dimension.



Staircase Pillar Series

Glass Balustrade Pillar

BD1  
Single-plate  
Pillar



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional



B03AP B04AP B08AP B11AP B12AP



BD1-T05L BD1-T05M BD1-T05R



BD1-LT02L BD1-LT02M BD1-LT02R

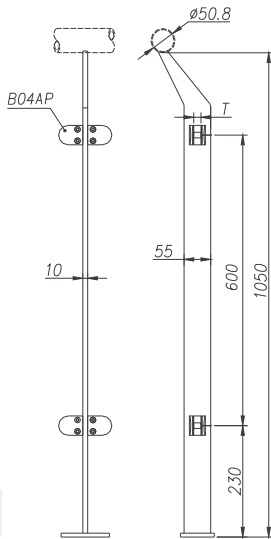


BD1-B04APL BD1-B04APM BD1-B04APR

Staircase Pillar Series

Glass Balustrade Pillar

BD2  
Single-plate  
Pillar



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional



B03AP B04AP B08AP B11AP B12AP



BD2-T05L BD2-T05M BD2-T05R



BD2-LT02L BD2-LT02M BD2-LT02R

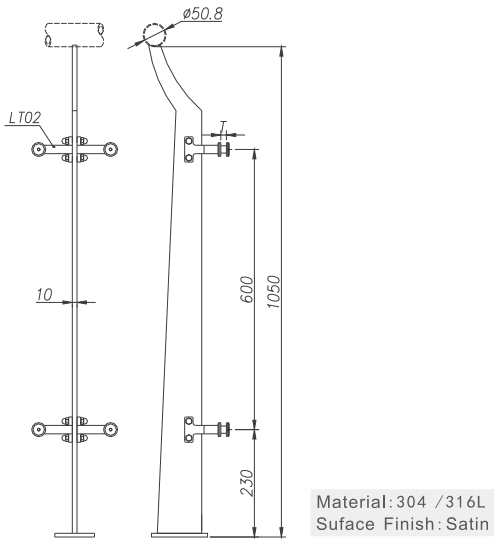


BD2-B04APL BD2-B04APM BD2-B04APR

Staircase Pillar Series

Glass Balustrade Pillar

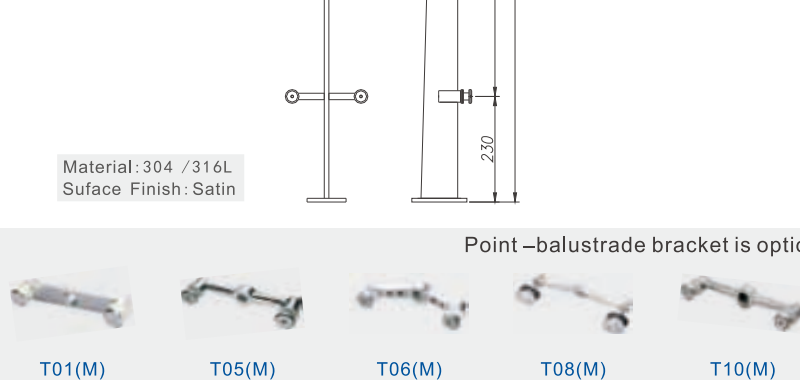
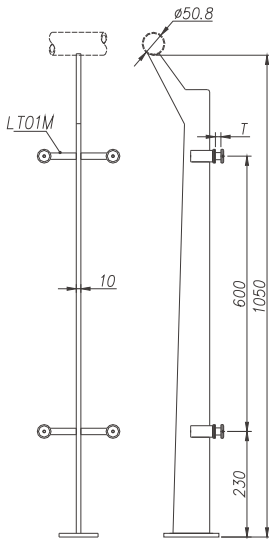
BD4  
Single-plate  
Pillar



Staircase Pillar Series

Glass Balustrade Pillar

BD6  
Single-plate  
Pillar



Staircase Pillar Series

Glass Balustrade Pillar

BD10  
Single-plate  
Pillar



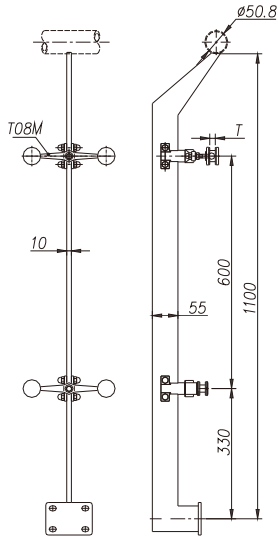
BD10-T05L BD10-T05M BD10-T05R



BD10-LT02L BD10-LT02M BD10-LT02R



BD10-B04APL BD10-B04APM BD10-B04APR



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional



B03AP B04AP B08AP B11AP B12AP

Staircase Pillar Series

Glass Balustrade Pillar

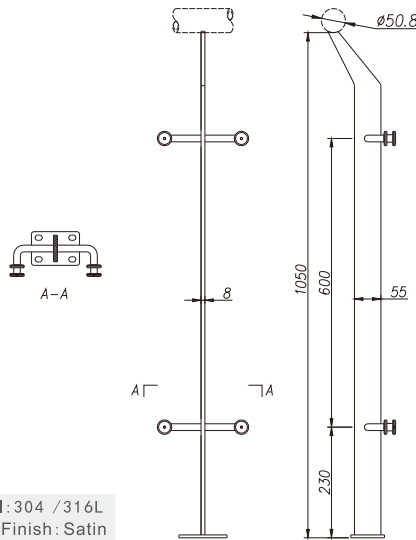
Pillar Promotion



BD2AB2-1 BD2AB1-1 BD2AB3-1

Product Features:

- a、The pillar plates are formed by integral cutting from high quality SUS304 stainless steel plate ,and mechanical polishing,so the surface possess good metal luster, and the style is simple、 generous, and yet noble;
- b、Adopt external mounted flat cap screw to fix glass , the installation is simple and quickly ;
- c、Suitable for glass thickness :12~18mm.



Material: 304 / 316L  
Surface Finish: Satin



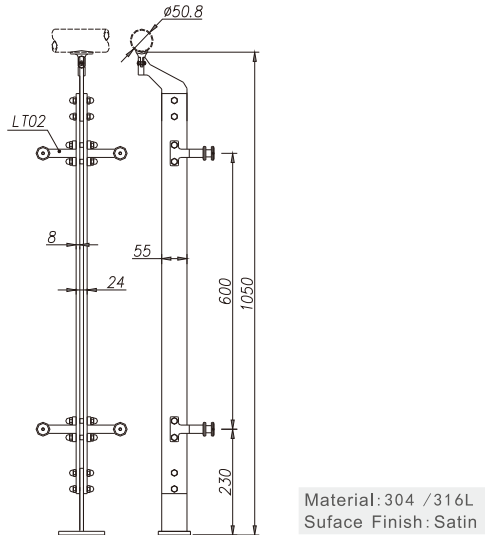




Staircase Pillar Series

Glass Balustrade Pillar

BS1  
Double-plate  
Pillar



BS1-T05L BS1-T05M BS1-T05R



BS1-LT02L BS1-LT02M BS1-LT02R



BS1-B04APL BS1-B04APM BS1-B04APR

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional

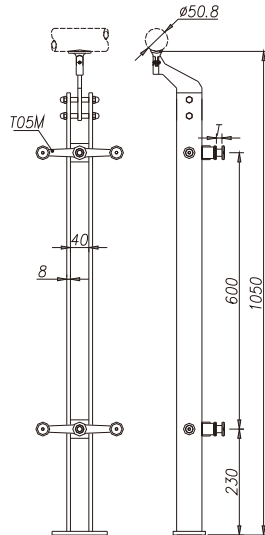


B03AP B04AP B08AP B11AP B12AP

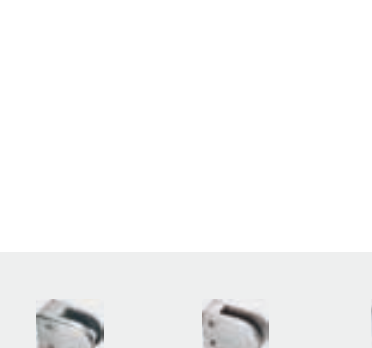
Staircase Pillar Series

Glass Balustrade Pillar

BS2  
Double-plate  
Pillar



BS2-T05L BS2-T05M BS2-T05R



BS2-B04APL BS2-B04APM BS2-B04APR

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Glass clamp is optional

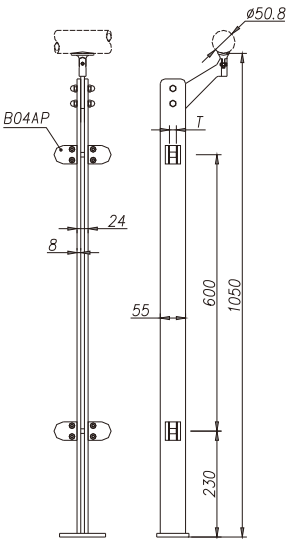


B03AP B04AP B08AP B11AP B12AP

Staircase Pillar Series

Glass Balustrade Pillar

BS3  
Double-plate  
Pillar



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional



B03AP B04AP B08AP B11AP B12AP



BS3-T05L BS3-T05M BS3-T05R



BS3-LT01L BS3-LT01M BS3-LT01R

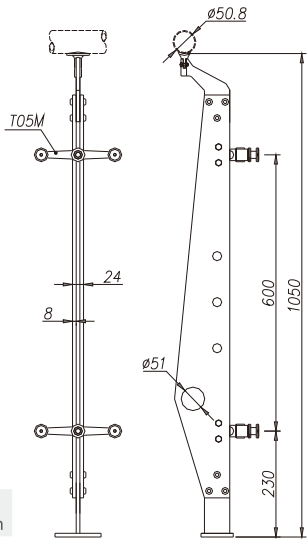


BS3-B04APL BS3-B04APM BS3-B04APR

Staircase Pillar Series

Glass Balustrade Pillar

BS4  
Double-plate  
Pillar



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional



B03AP B04AP B08AP B11AP B12AP



BS4-T05L BS4-T05M BS4-T05R



BS4-LT02L BS4-LT02M BS4-LT02R



BS4-B04APL BS4-B04APM BS4-B04APR

Staircase Pillar Series

Glass Balustrade Pillar

BS6  
Double-plate  
Pillar



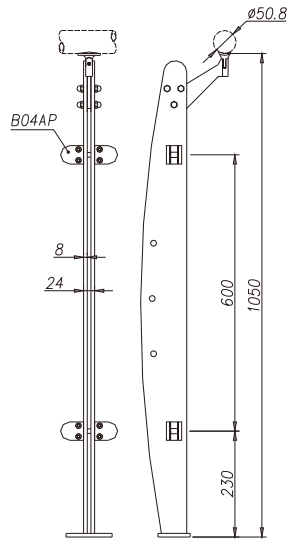
BS6-T05L BS6-T05M BS6-T05R



BS6-LT02L BS6-LT02M BS6-LT02R



BS6-B04APL BS6-B04APM BS6-B04APR



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT01(M) LT02 LT03 LT04 LT09

Glass clamp is optional

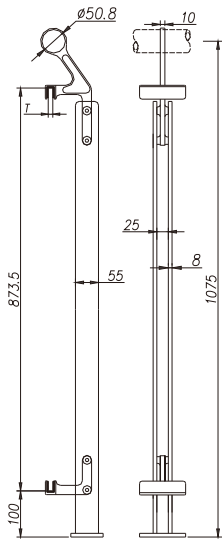


B03AP B04AP B08AP B11AP B12AP

Staircase Pillar Series

Glass Balustrade Pillar

BS10  
Double-plate  
Pillar



Material: 304 / 316L  
Surface Finish: Satin





Staircase Pillar Series

Glass Balustrade Pillar

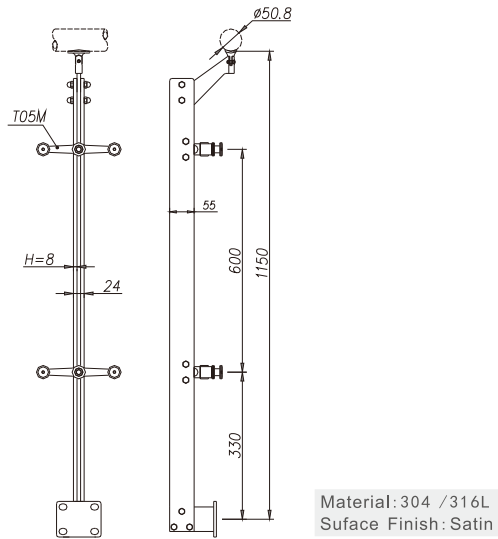
**BS13**  
Double-plate  
Pillar



BS13-T05L    BS13-T05M    BS13-T05R



BS13-B04APL    BS13-B04APM    BS13-B04APR



Point –balustrade bracket is optional



T01(M)    T05(M)    T06(M)    T08(M)    T10(M)

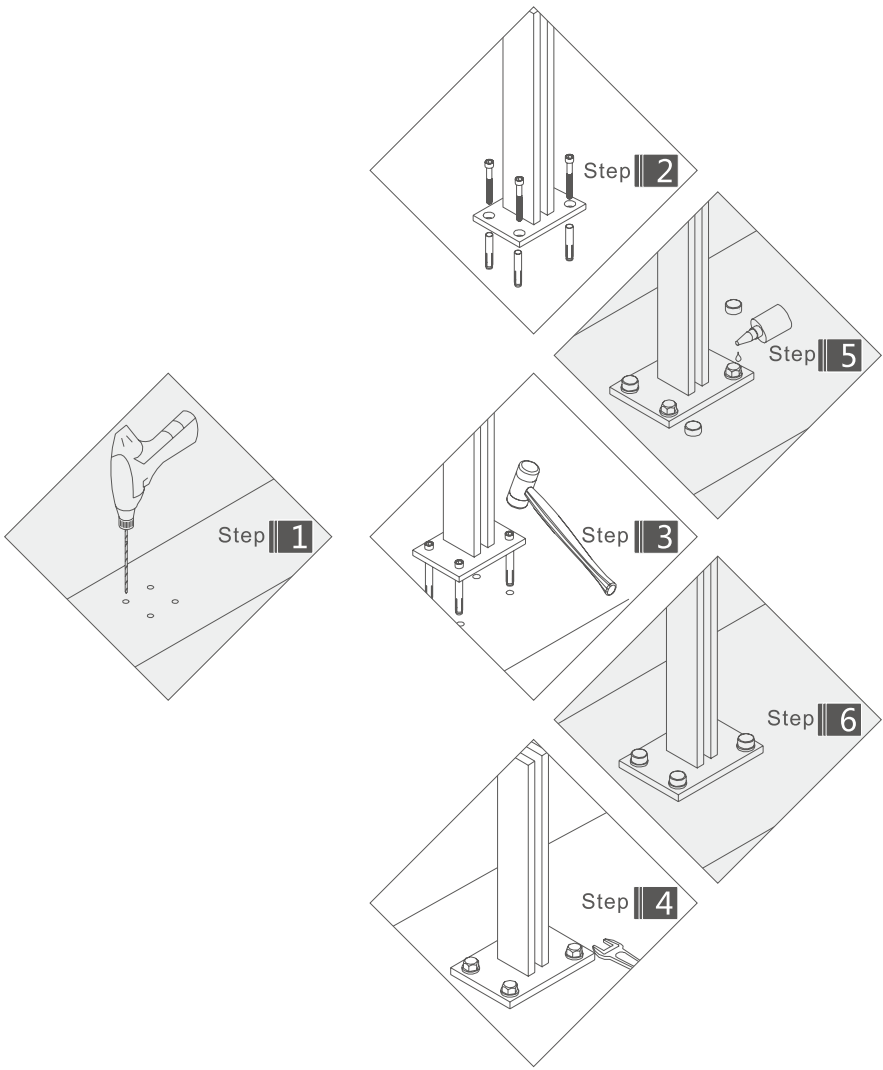
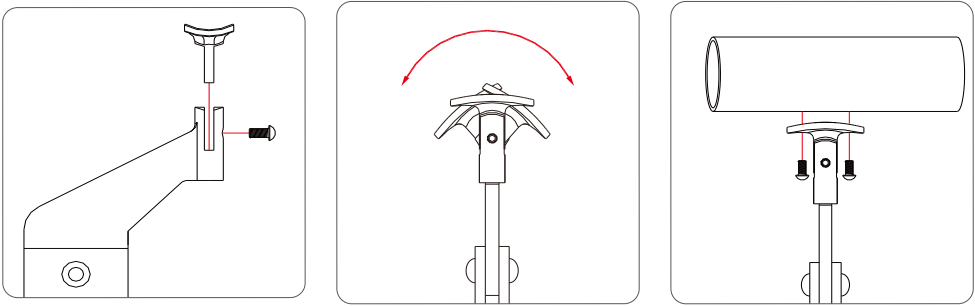
Glass clamp is optional



B03AP    B04AP    B08AP    B11AP    B12AP

Staircase Pillar Series

Glass Balustrade Pillar

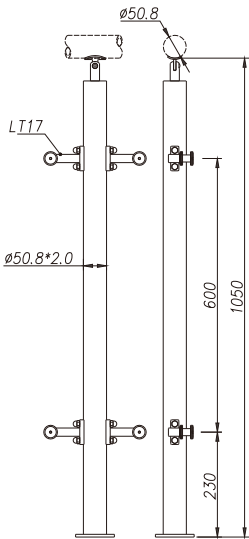


Staircase Pillar Series

Glass Balustrade Pillar

BY1

Circular Tube  
Pillar



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT07 LT08 LT17

Glass clamp is optional



B03AF B04AF B08AF B11AF B12AF



BY1-T05L BY1-T05M BY1-T05R



BY1-LT08L BY1-LT08M BY1-LT08R



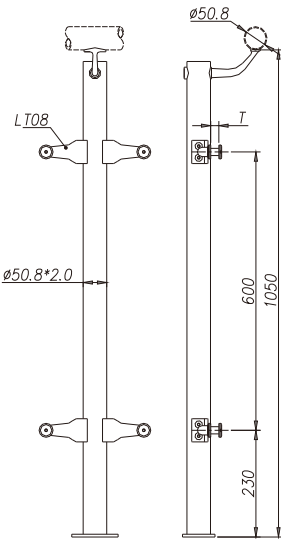
BY1-B04AFL BY1-B04AFM BY1-B04AFR

Staircase Pillar Series

Glass Balustrade Pillar

BY2

Circular Tube  
Pillar



Material: 304 / 316L  
Surface Finish: Satin

Point –balustrade bracket is optional



T01(M) T05(M) T06(M) T08(M) T10(M)

Fin–balustrade bracket is optional



LT07 LT08 LT17

Glass clamp is optional



B03AF B04AF B08AF B11AF B12AF



BY2-T05L BY2-T05M BY2-T05R



BY2-LT08L BY2-LT08M BY2-LT08R

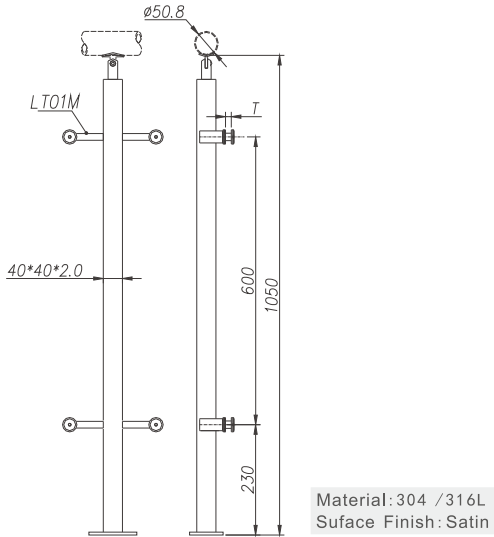


BY2-B04AFL BY2-B04AFM BY2-B04AFR

Staircase Pillar Series

Glass Balustrade Pillar

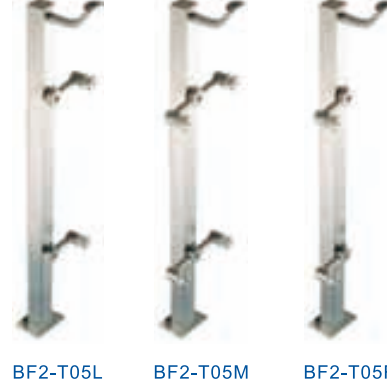
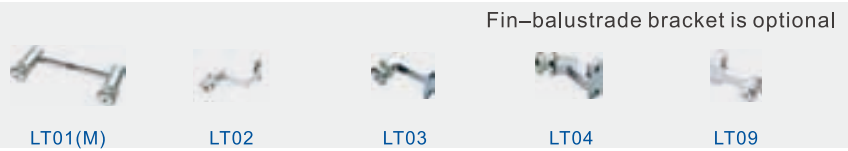
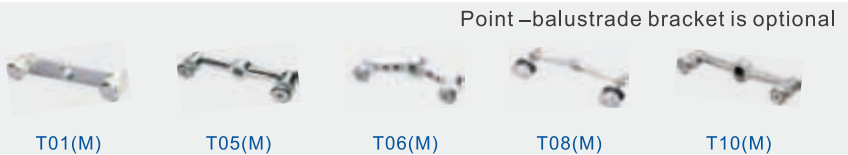
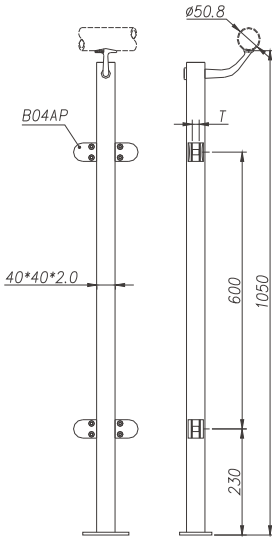
BF1  
Square Tube  
Pillar



Staircase Pillar Series

Glass Balustrade Pillar

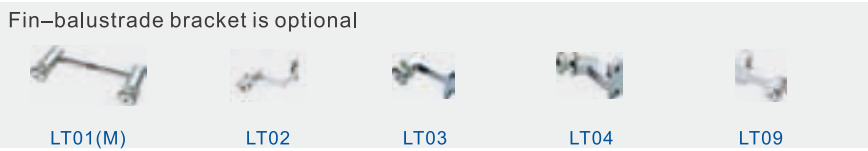
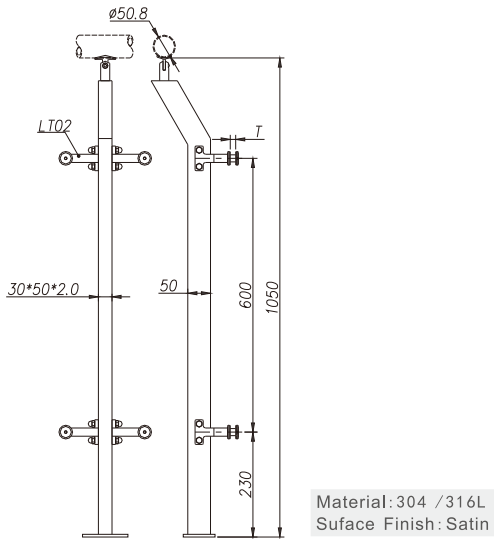
BF2  
Square Tube  
Pillar



Staircase Pillar Series

Glass Balustrade Pillar

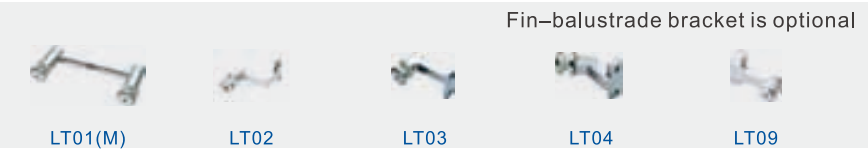
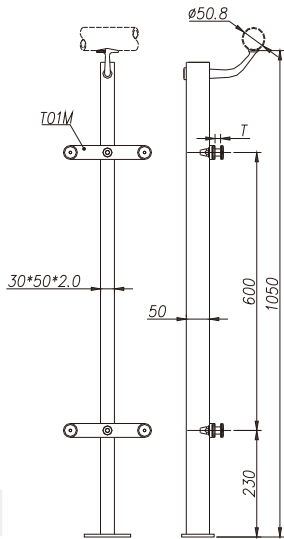
BJ1  
Rectangular Tube  
Pillar



Staircase Pillar Series

Glass Balustrade Pillar

BJ2  
Rectangular Tube  
Pillar



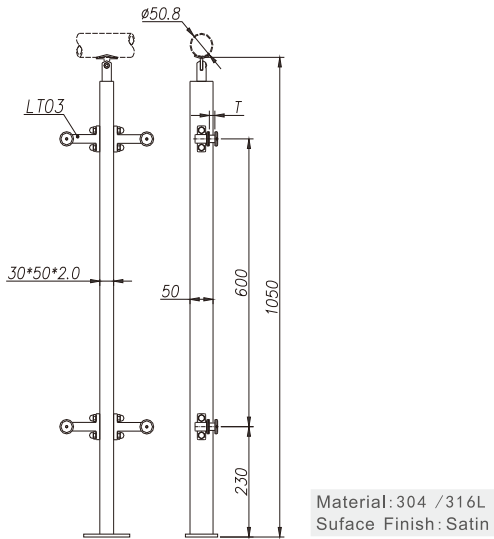


Staircase Pillar Series

Glass Balustrade Pillar

BJ3

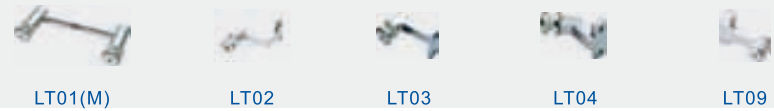
Rectangular Tube  
Pillar



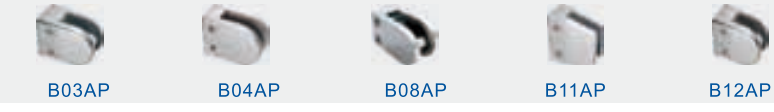
Point –balustrade bracket is optional



Fin–balustrade bracket is optional



Glass clamp is optional

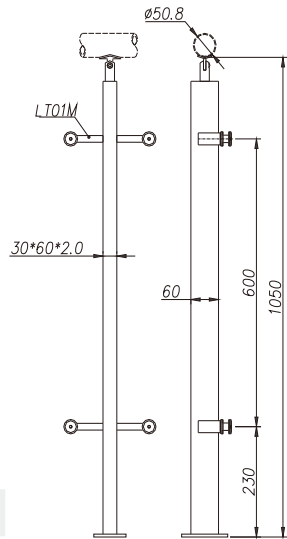


Staircase Pillar Series

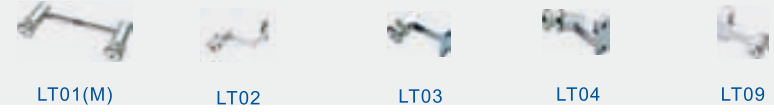
Glass Balustrade Pillar

BP1

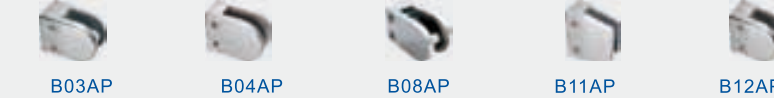
Flat Elliptic Tube  
Pillar



Point –balustrade bracket is optional



Glass clamp is optional



## Staircase Pillar Series

## Staircase Pillar Series

### Installation of Post Railing on Ground

#### Step 1 :Setting-out Route and Drilling Hole

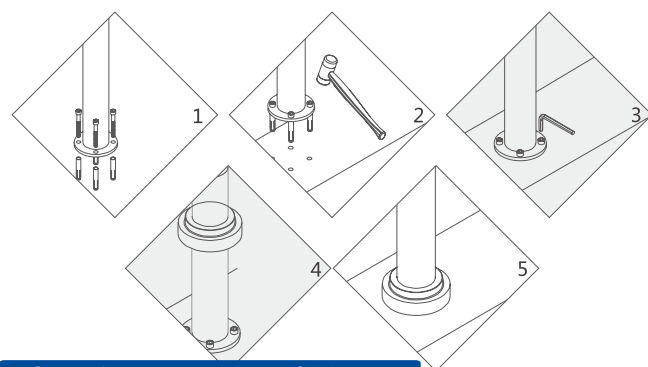
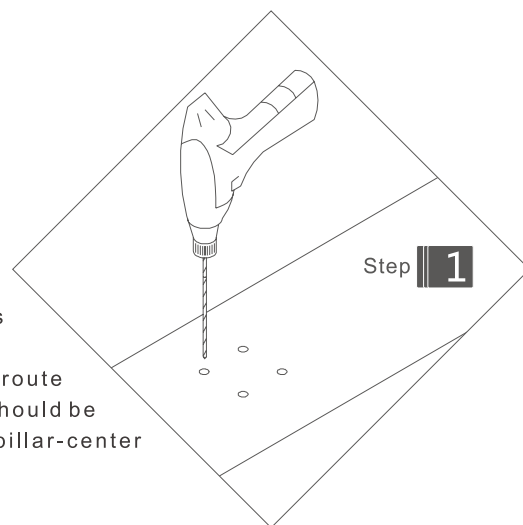
##### I. Fixation of Expansion Bolt

- Install on the floor
- 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.



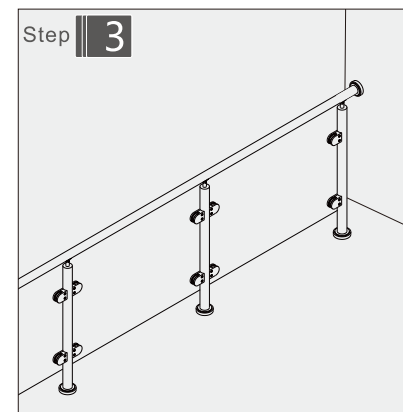
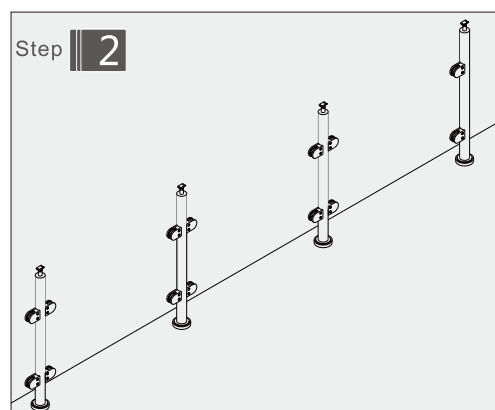
#### Step 2: Installation of Pillars

##### I. Fixation of Expansion Bolt

- Flat the installation surface
- Cleaning up slag in the holes after drilling
- 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
- Screw up the bolt so as to fix the pillar

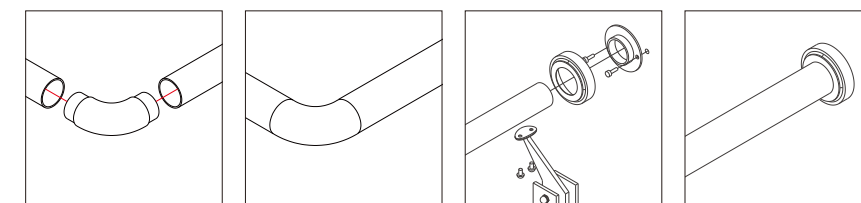
##### II. Welding of Embedded Parts

- Stretch wire straightly so as to determine the installation sites of pillar
- Add steel discs if the embedded parts are not horizontally installed, but this step is not necessary if the pillar is not adjustable
- The material of electrode should be the same as the one of pillar when welding



#### Step 3: Installation of Handrail

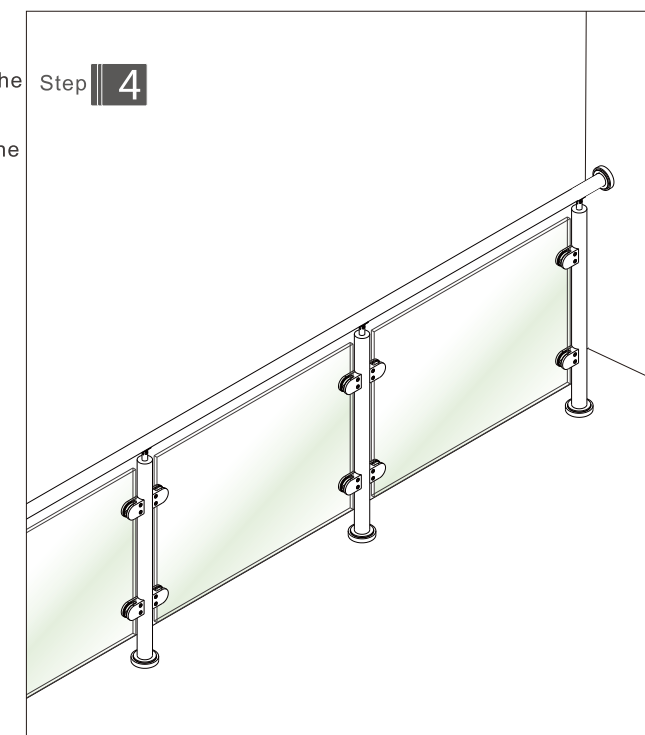
- Measure the needed length of handrail, and determine the fitting needed.
- Drill holes to screw in bolt, and fix handrail on the wall.
- Sleeve cover plate around the handrail, and sleeve the handrail around the base plate, then place the handrail onto the handrail supporter, adapt the handrail to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



#### Step 4 :Glass Installation

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

#### Step 4



#### Step 5:Cleaning

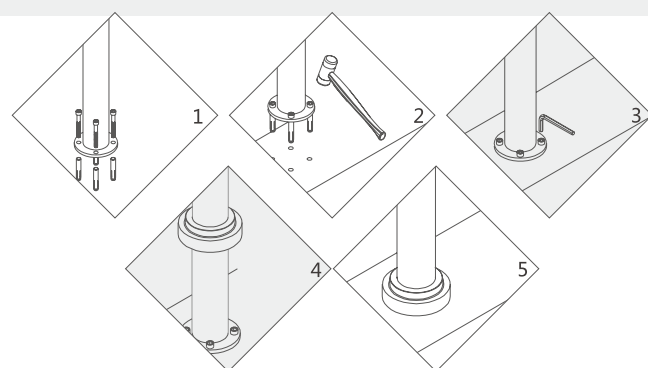
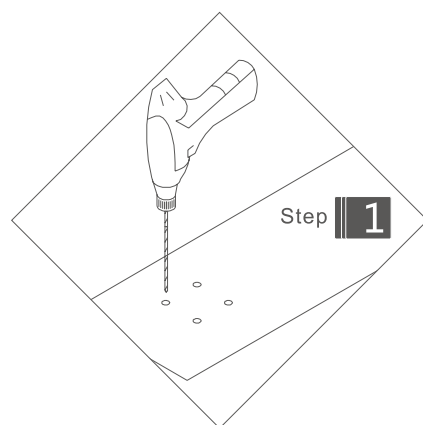
Wrap the post railing after cleaning until the construction work completes so as to avoid damages to it when constructing.

## Staircase Pillar Series

### 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.



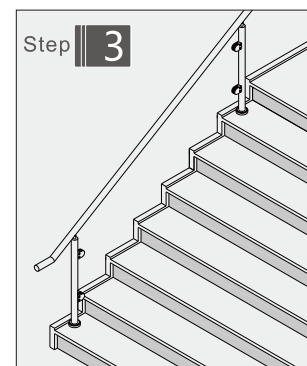
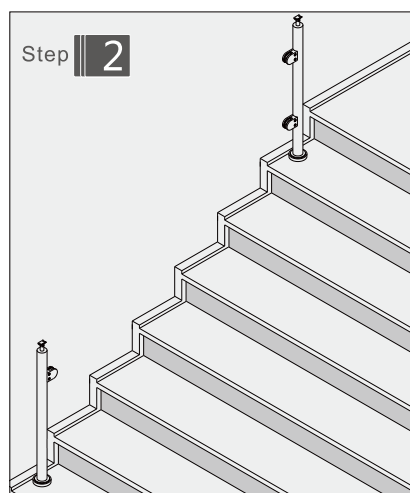
#### Step 2: Installation of Pillars

##### 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.

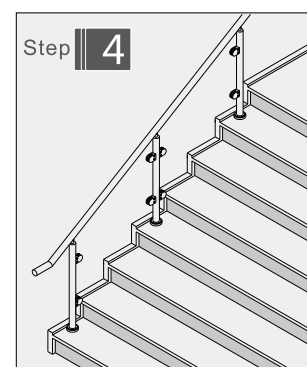
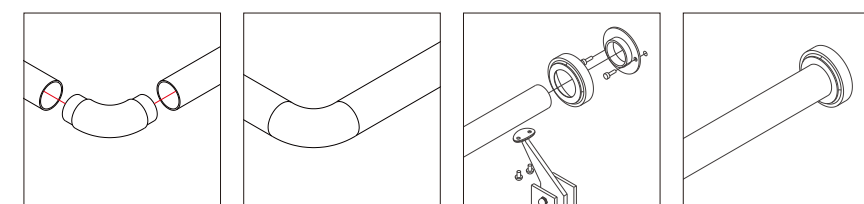
##### II. Welding of Embedded Parts

- 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.



#### 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

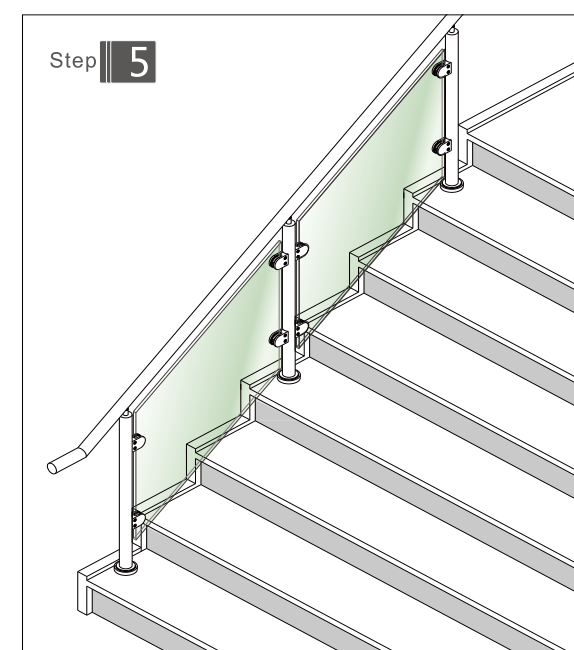
- a. Determine the installation sites of middle pillars by closing the pillars on handrails, and mark on the determined sites.
- b. Drill holes and fix pillars, then connect handrails.

#### 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.

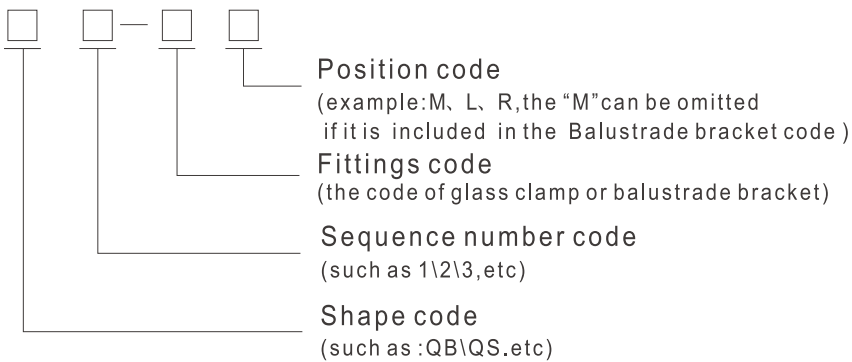


## Flagpole staircase pillar

### I Classification &Code

- 1、Classified by pillar structure:
- a) Swing-arm Flagpole pillar, Code QB ;
  - b) Extendable Flagpole pillar, Code QS ;
  - c) Upward Extendable Flagpole pillar, Code QU .

### II Principle of code



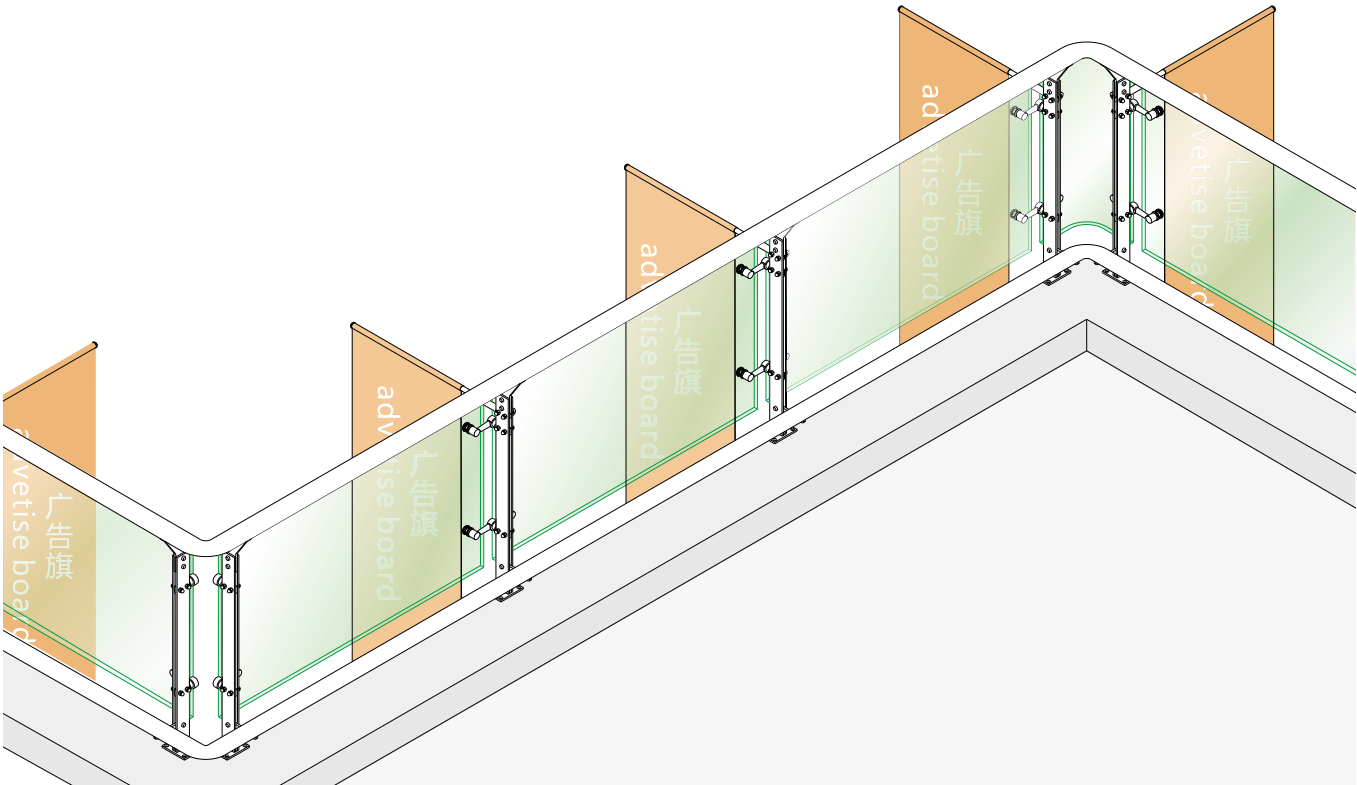
For example ,Code QB1-B05APM, means: Code QB1 swing arm flagpole pillar, installed in the middle position and matched with B05AP glass clamp.

### III Product Features

Flagpole staircase pillar commonly used in shopping mall atrium, the post railing fit together perfectly with flagpole ,the appearance is simple and generous ,easy to install. Increasing the functionality and convenient to install and change AD flag ,it can meet the demand of market diversification, and improve the product competitive.

**Note:**

- 1、The standard height of flagpole pillar is 1050mm, and matched with  $\Phi$  50.8mm hand rail ,please mark out if require other dimension.
- 2、when no specific parameter(actual pillar height ), please adopt our standard dimension.





Staircase Pillar Series

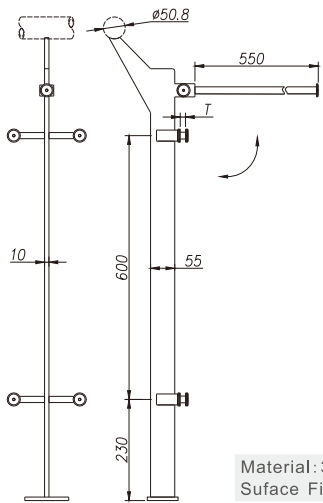
Flagpole staircase pillar

Swing-arm  
Flagpole pillar QB1



QB1-B04APM

QB1-LT01M



Material: 304 / 316L  
Surface Finish: Satin

Staircase Pillar Series

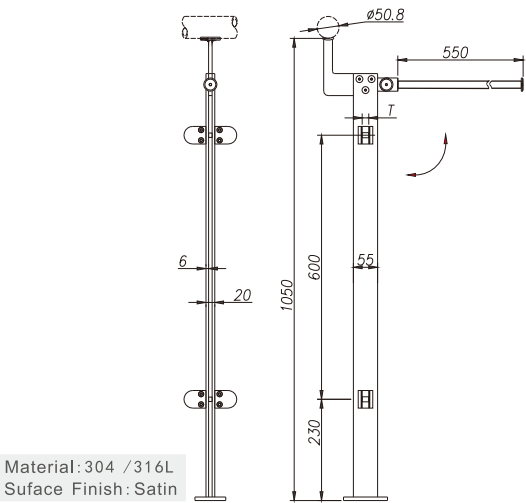
Flagpole staircase pillar

Swing-arm  
Flagpole pillar QB2

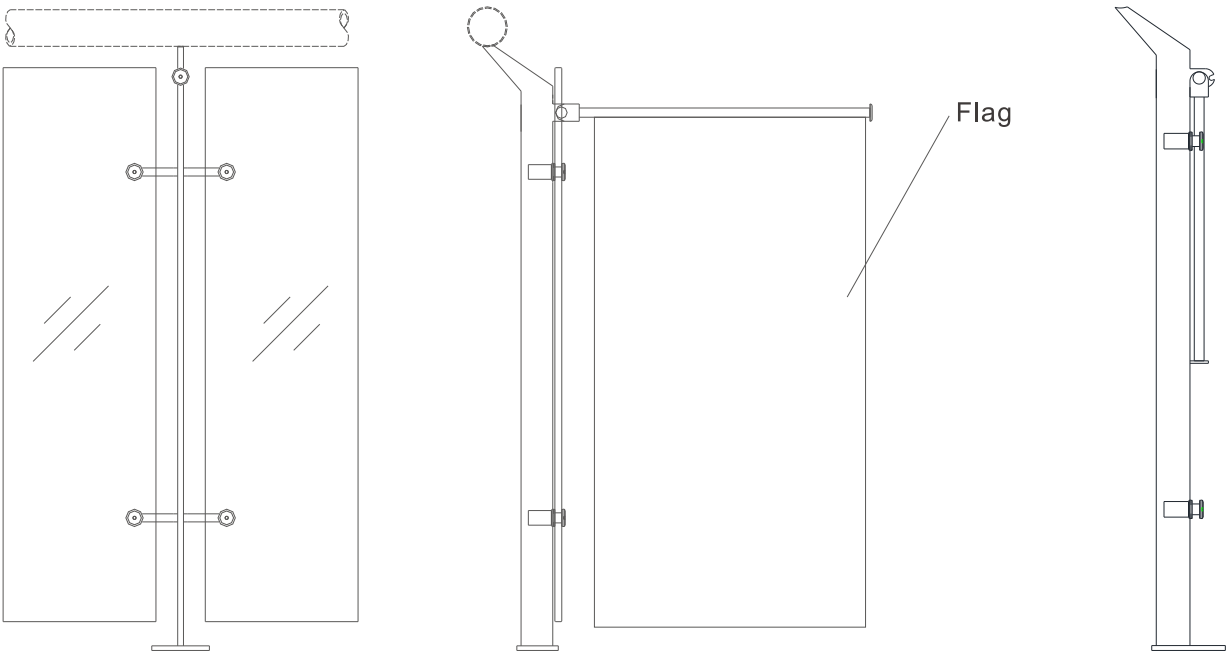


QB2-B04APM

QB2-LT01M



Material: 304 / 316L  
Surface Finish: Satin



Staircase Pillar Series

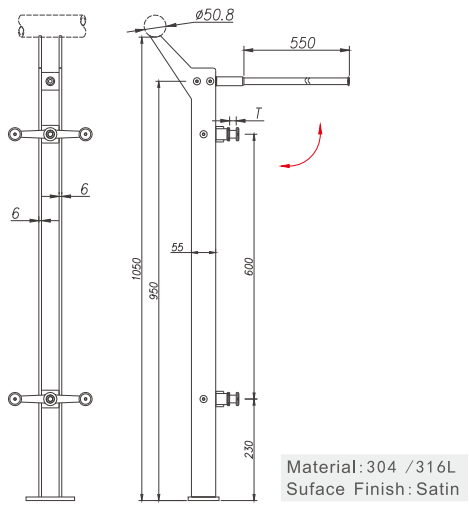
Flagpole staircase pillar

Swing-arm  
Flagpole pillar QB4

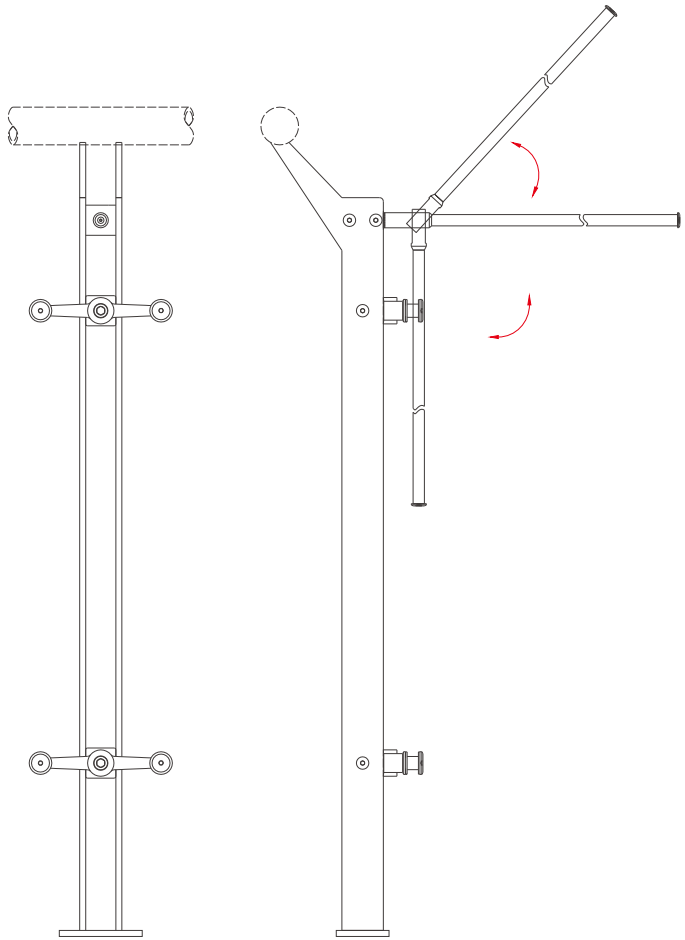
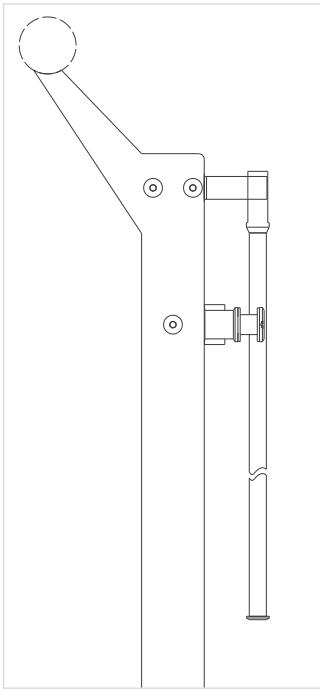
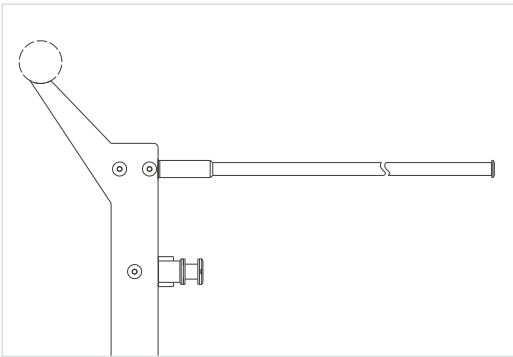


QB4-B04APM

QB4-T05M



Staircase Pillar Series



Staircase Pillar Series

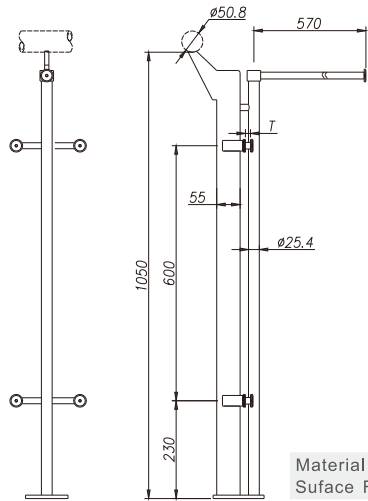
Flagpole staircase pillar

Extendable  
Flagpole pillar **QS1**

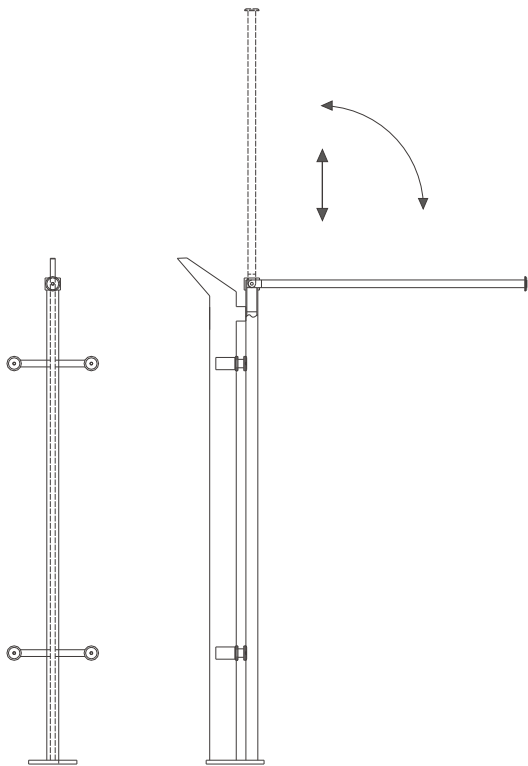


QS1-B04APM

QS1-LT01M



Material: 304 / 316L  
Surface Finish: Satin



Staircase Pillar Series

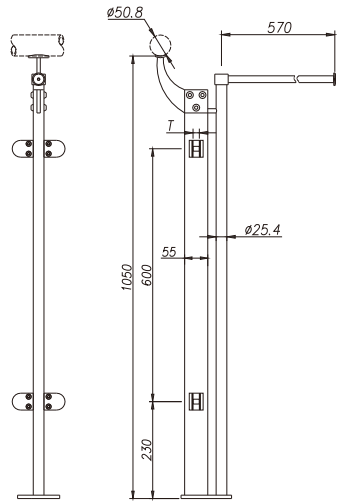
Flagpole staircase pillar

Extendable  
Flagpole pillar **QS2**

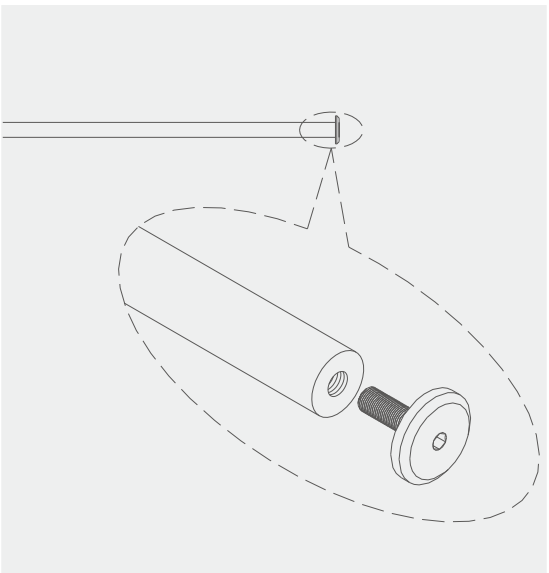
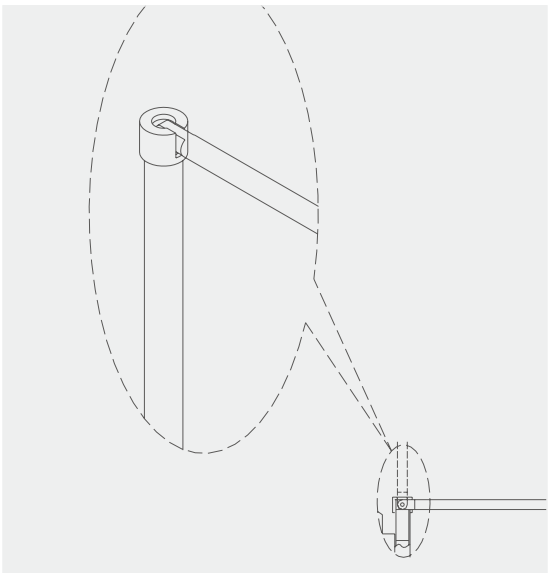


QS2-B04APM

QS2-LT01M



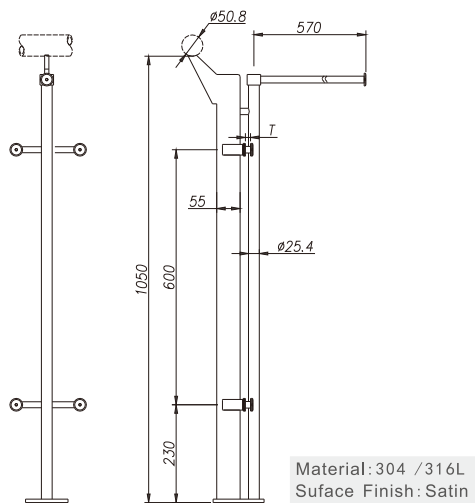
Material: 304 / 316L  
Surface Finish: Satin



Staircase Pillar Series

向上伸缩  
双旗杆立柱  
Flagpole staircase pillar

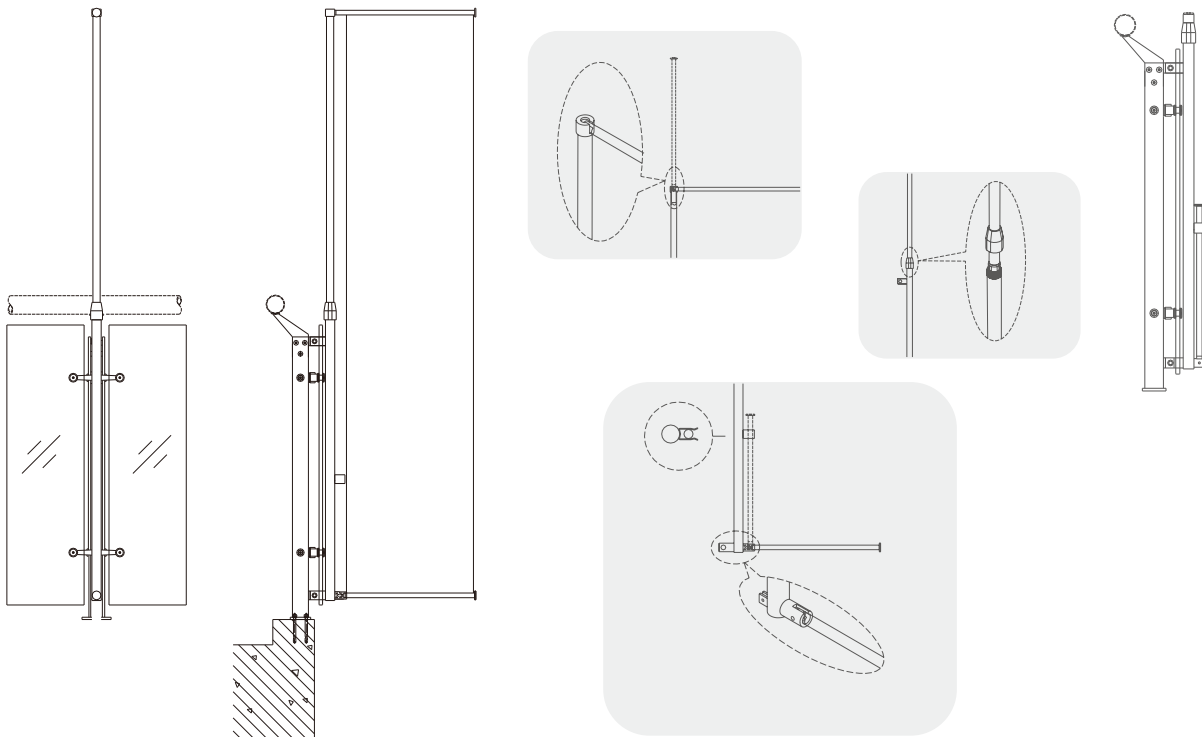
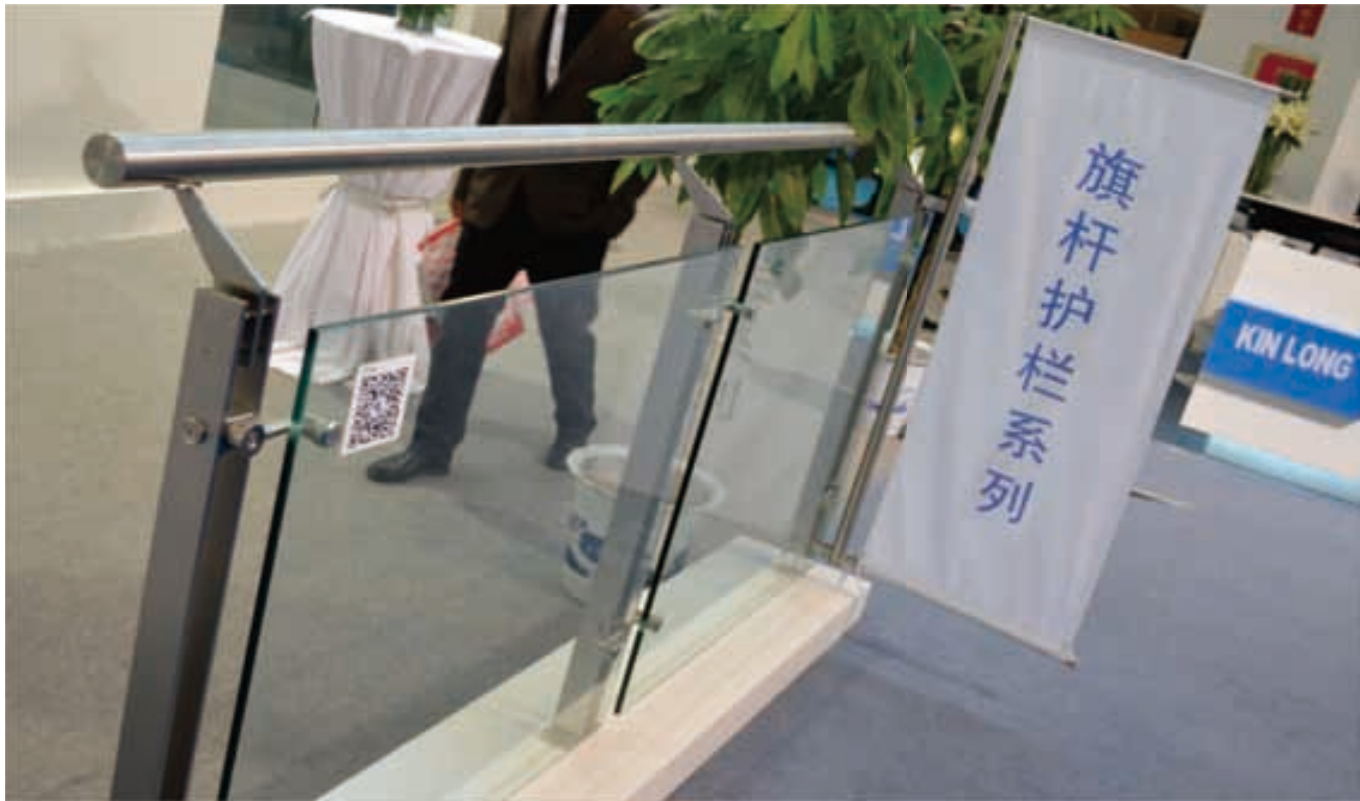
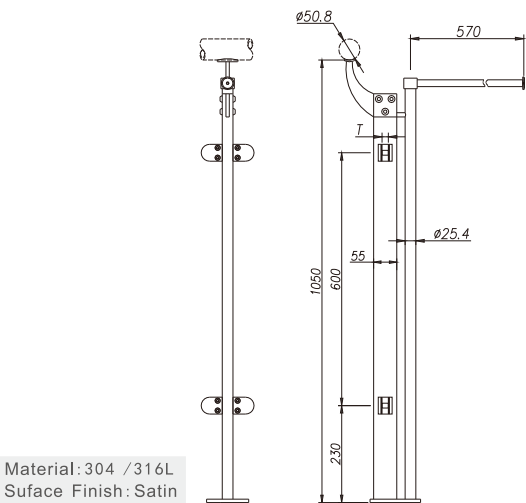
Upward Extendable  
Flagpole pillar **QU1**



Staircase Pillar Series

Flagpole staircase pillar

Upward Extendable  
Flagpole pillar **QU2**



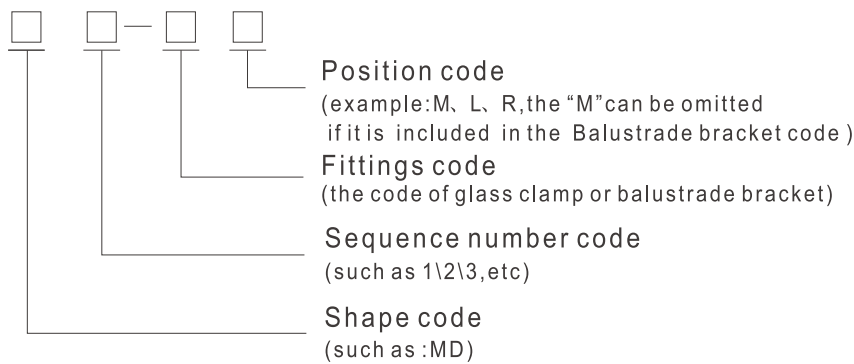


Lighting staircase pillar

I Classification &Code

1. Lighting Pillar structure ,Code : MD

II Principle of code



For Example,Code MD1-B04APM,means:Light staircase pillar code MD1,Installed in the middle position ,and matched with glass clamp B04AP.

III Product Features

The Light staircase pillar commonly used in the place like shopping mall atrium、landscape ,etc, constructional protection and light decoration come together cleverly ,this series of product has a novel structure and concise appearance , and increase compositive capability of the production, it can meet the demand of market market diversification, and improve the product market competitive.

Note:

- 1、 The standard height of light staircase pillar is 1050mm,and only matched with 50.8mm handrail ,please mark out if it is for other dimension.
- 2、 when no specific parameter( actual pillar height ), please adopt our standard dimension
- 3、 Lighting staircase pillar ,not include lamps and lanterns

IV Lamps selecting





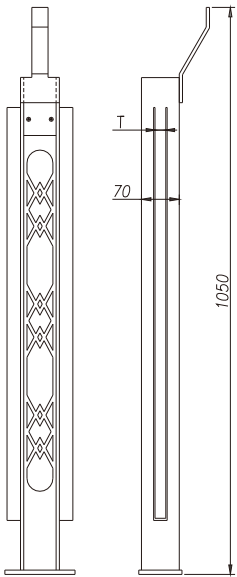
Staircase Pillar Series

Lighting staircase pillar



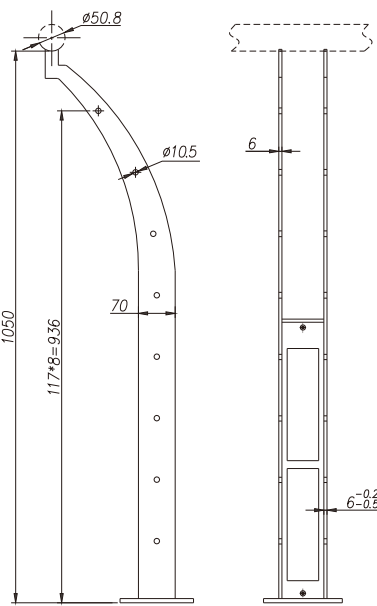
MD1-M

Material: 304 / 316L  
Surface Finish: Satin



MD3

Material: 304 / 316L  
Surface Finish: Satin



Lighting staircase pillar

Staircase Pillar Series

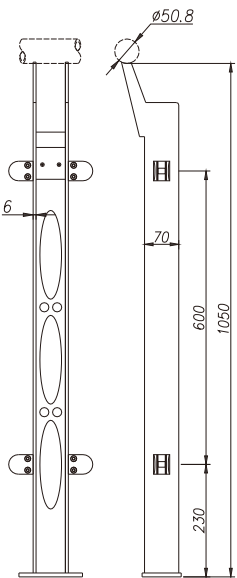


MD2-B04APM



MD2-LT01M

Material: 304 / 316L  
Surface Finish: Satin

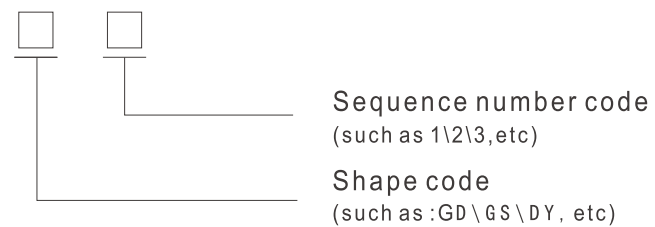


## Balustrade Staircase Pillar

### I Classification & Code

- a) Single plate Balustrade Pillar ,Code GD
- b) Double plate Balustrade Pillar ,Code GS
- c) Circular tube Balustrade Pillar ,Code GY
- d) Flat Elliptic tube Balustrade Pillar ,Code GP
- e) Square tube Balustrade Pillar ,Code GF
- f) Rectangular tube Balustrade Pillar ,Code GJ

### II Principle of code



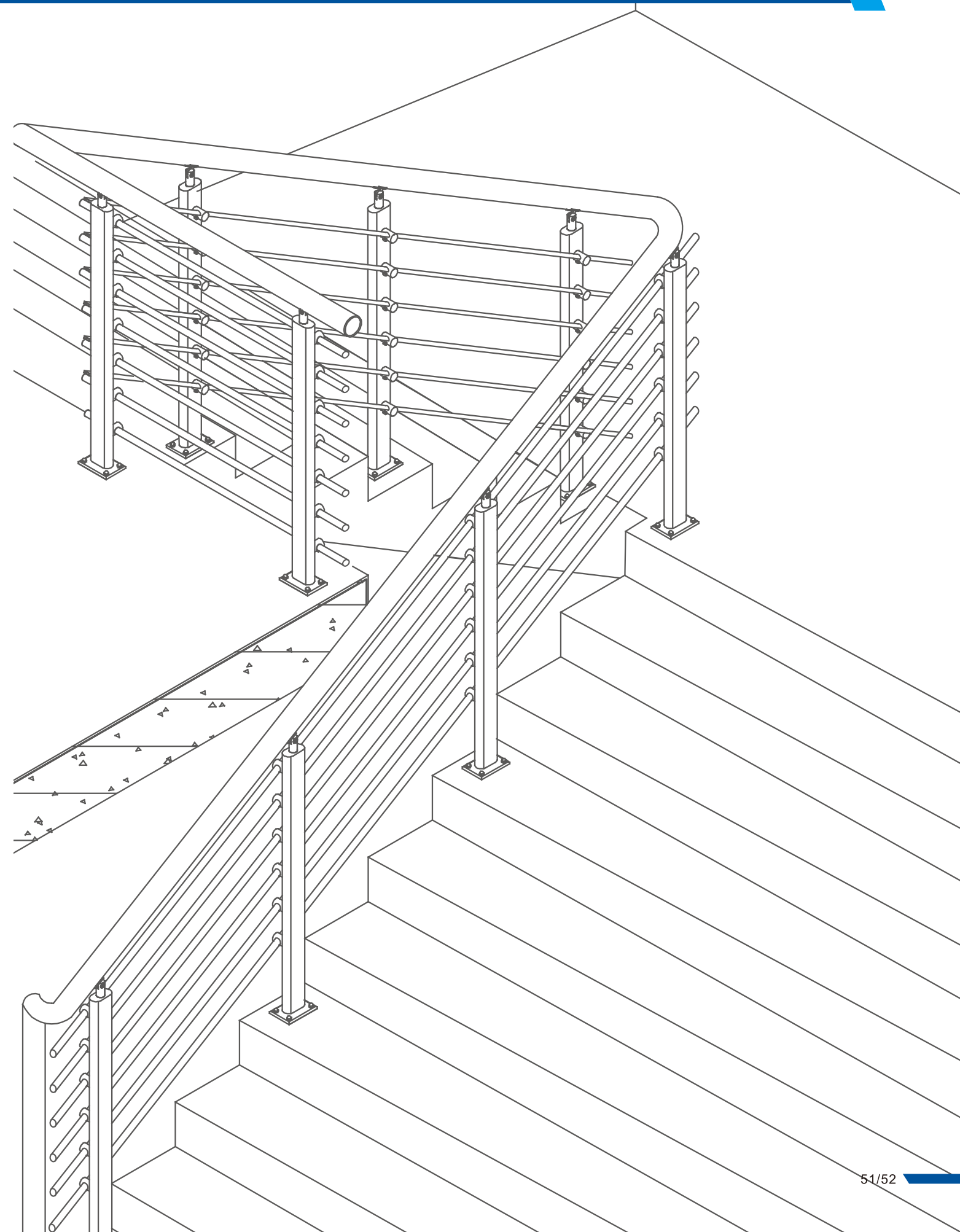
For Example, Code GD1. Means :the Balustrade Staircase Pillar code is GD1

### III Product Features

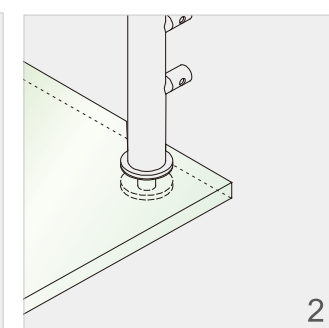
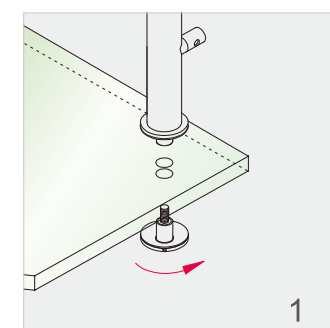
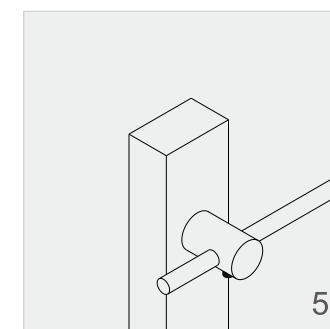
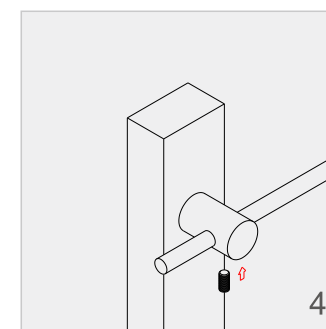
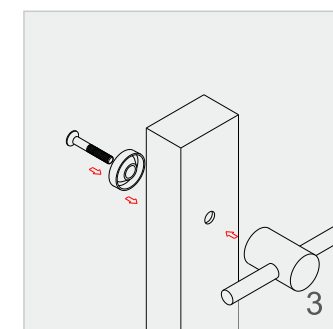
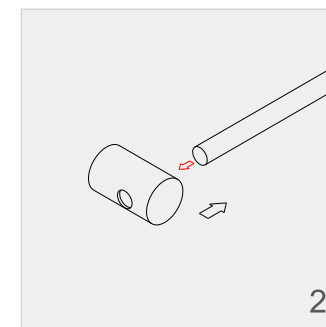
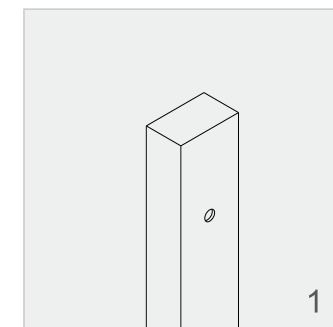
Glass staircase pillar commonly used in staircase railing 、 bridge guardrail、 landscape place、 curtain wall 、 shopping mall atrium and so on, the product possess concise appearance 、 strong corrosion-resisting character 、 good high mechanical performance, glossy surface and easy to clean and maintenance.

#### Note:

- 1、 The standard height of balustrade staircase pillar is 930mm, and matched with 50.8mm handrail, suitable 10mm rod, please mark out if it is for other dimension.
- 2、 when no specific parameter( actual pillar height ), please adopt our standard dimension
- 3、 Bar balustrade pillar not recommend to used in the platform.



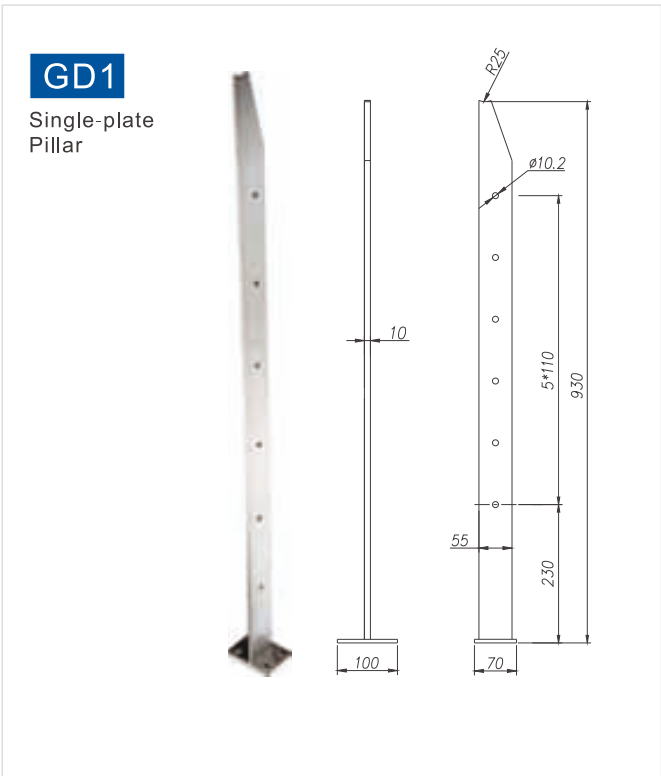
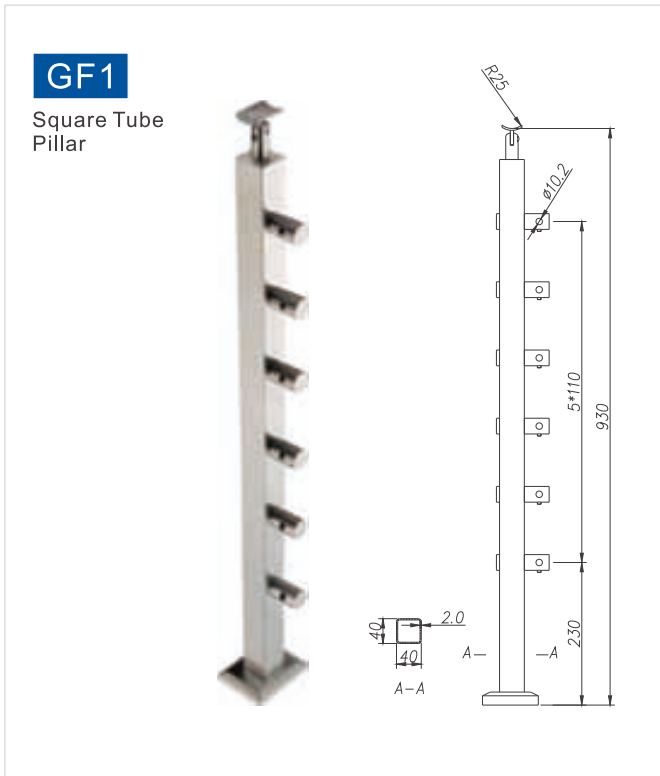
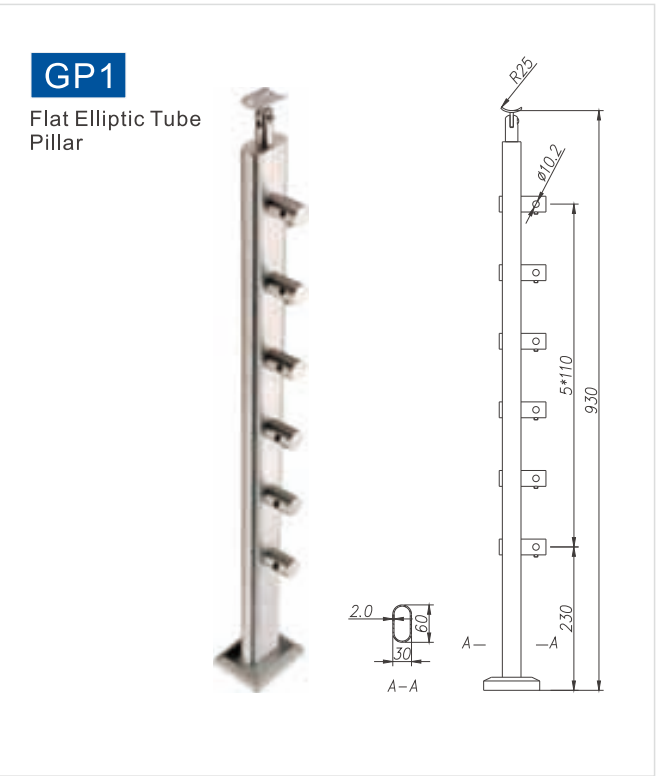
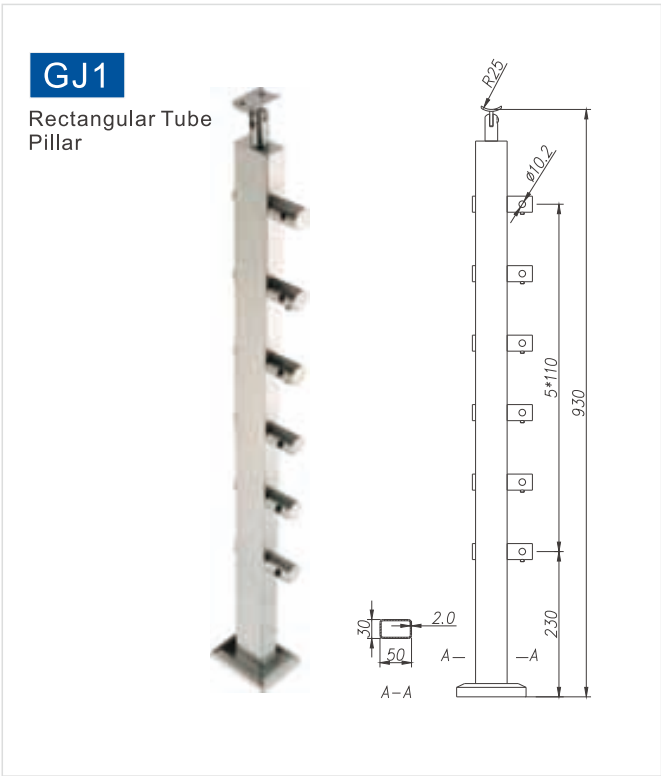
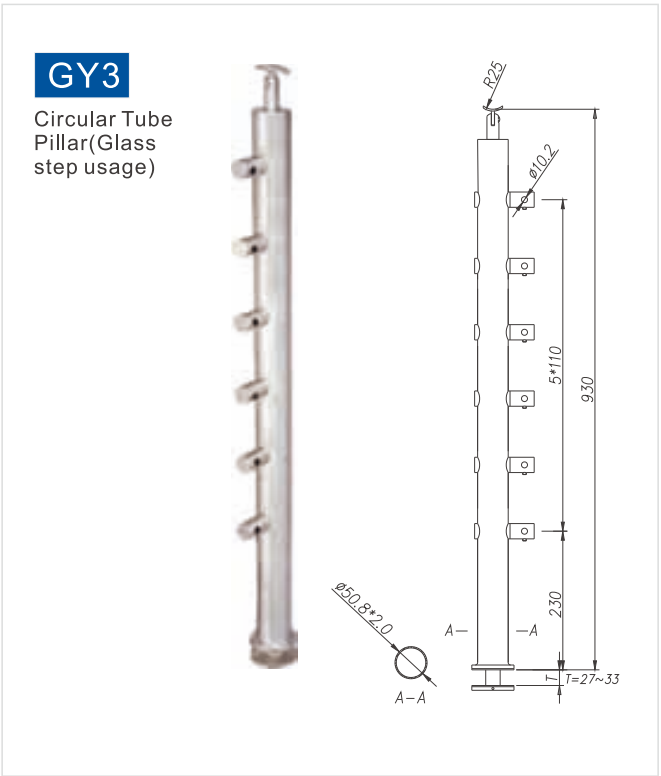
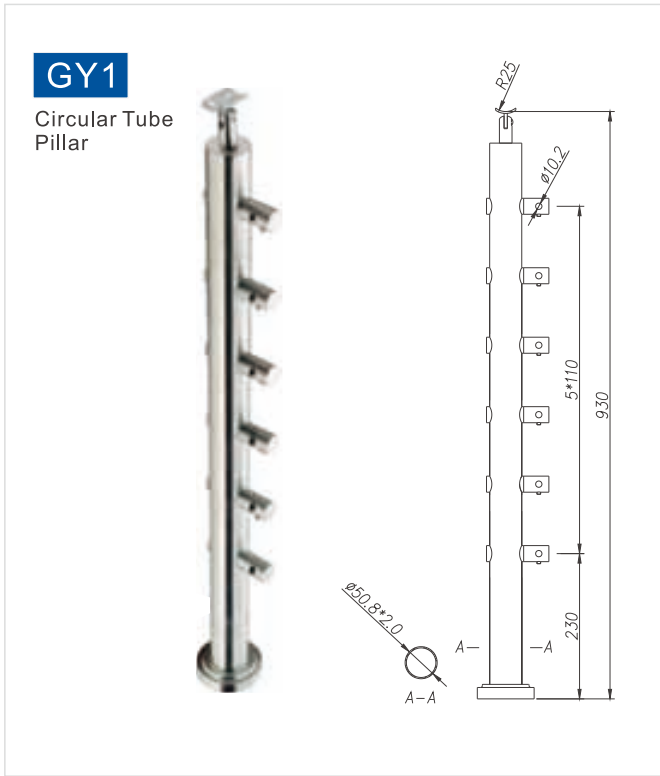




 **The installation of  
Balustrade Staircase Pillar**



Balustrade Staircase Pillar







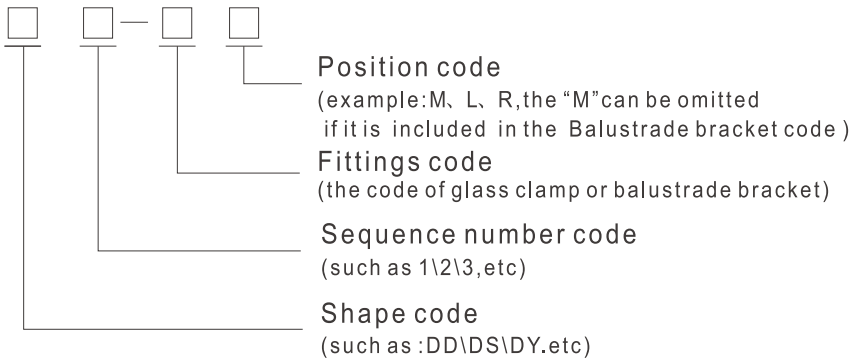


## Glass balustrade Pillar

### I Classification & code:

- a) Single-plate pillar code: DD;
- b) Double-plate pillar code: DS;
- c) Circular pillar code: DY;
- d) Flat elliptic pillar code: DP;
- e) Square pillar code: DF;
- f) Rectangular pillar code: DJ;
- g) Casting pillar code: DZ .

### II Principle of code



Example: code DD1-T05M, means: single-pillar DD1,and installed in the middle position with the bracket T05M.

**Note:**

casting pillar DZ series only have two types of middle and end one, and code is B1 and B2.

Example:

Code DZ1B1, means: casting pillar DZ1, and it is installed in the middle.

CodeDZ1B2, means: casting pillar DZ1 and it is installed in the two ends part.

### III Product Features

Glass balustrade commonly used on the public places like subway and airport ect. It is function of zone division and channel separation.



Glass Balustrade Series

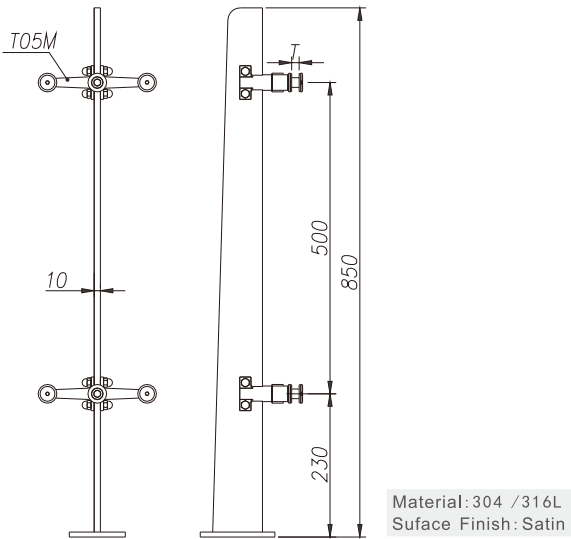




Glass Balustrade Series

Glass balustrade Pillar

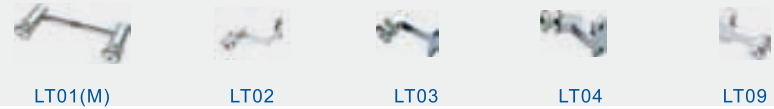
DD1  
Single-plate  
Pillar



Point –balustrade bracket is optional



Fin–balustrade bracket is optional



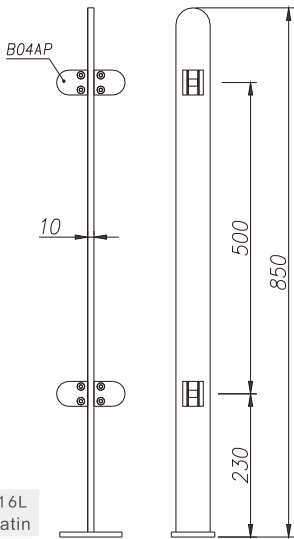
Glass clamp is optional



Glass Balustrade Series

Glass balustrade Pillar

DD2  
Single-plate  
Pillar



Point –balustrade bracket is optional



Fin–balustrade bracket is optional



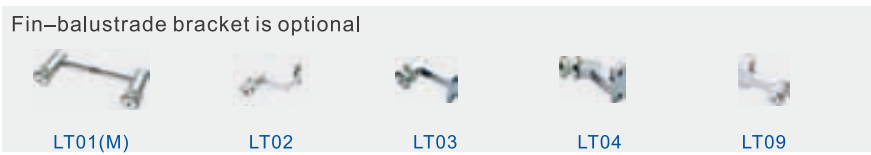
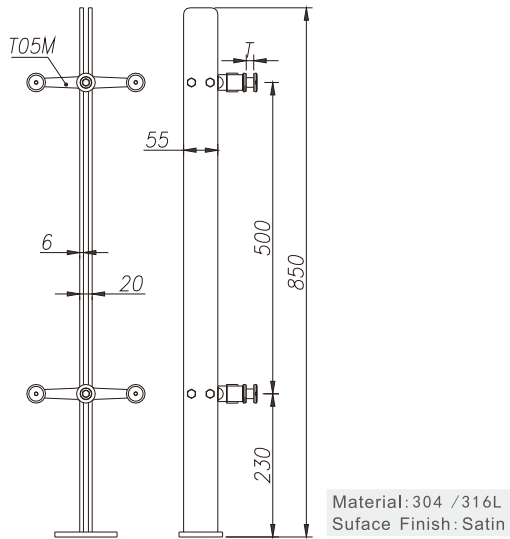
Glass clamp is optional



Glass Balustrade Series

Glass balustrade Pillar

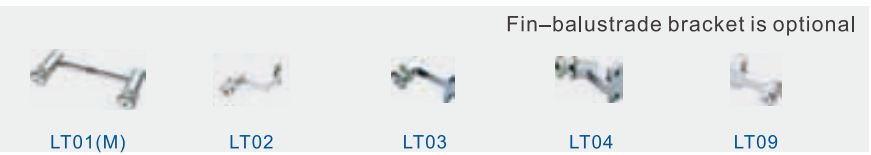
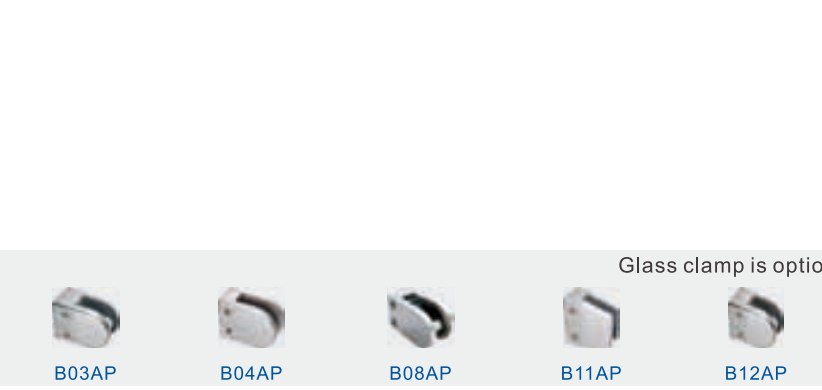
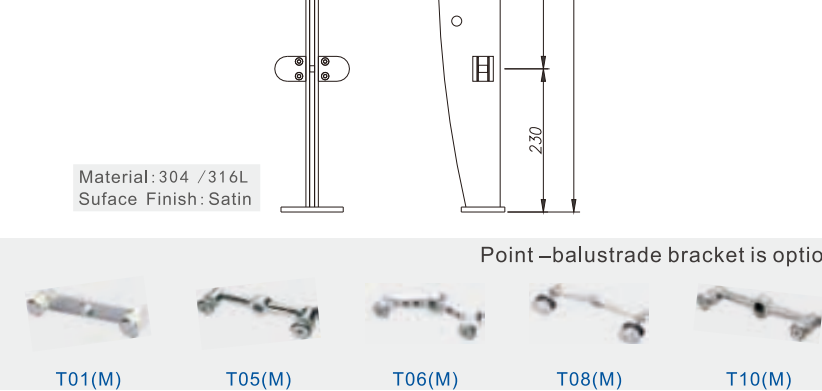
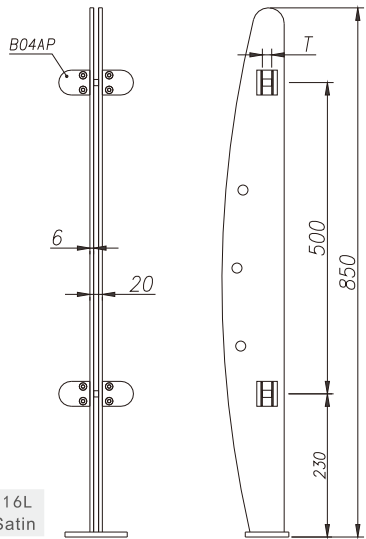
DS1  
Double-plate  
Pillar



Glass Balustrade Series

Glass balustrade Pillar

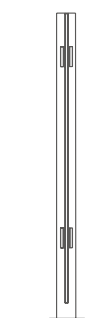
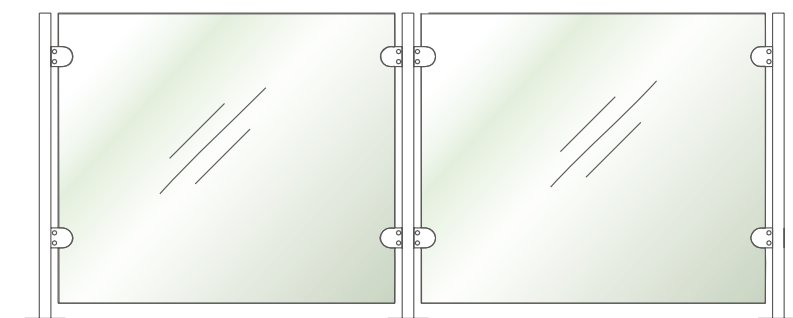
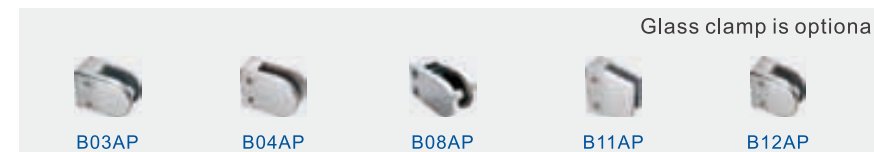
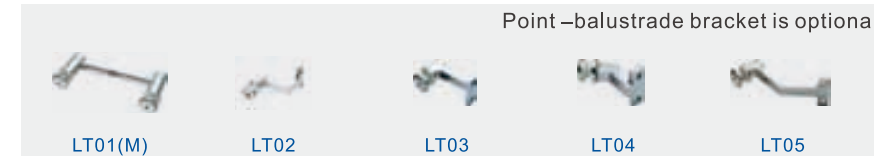
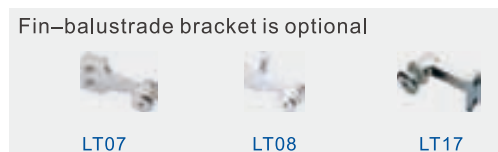
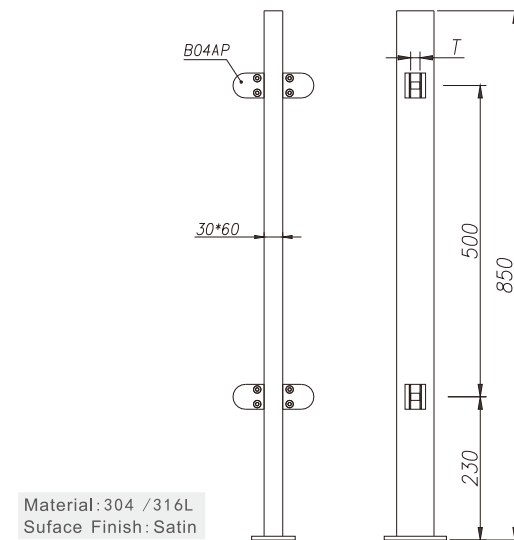
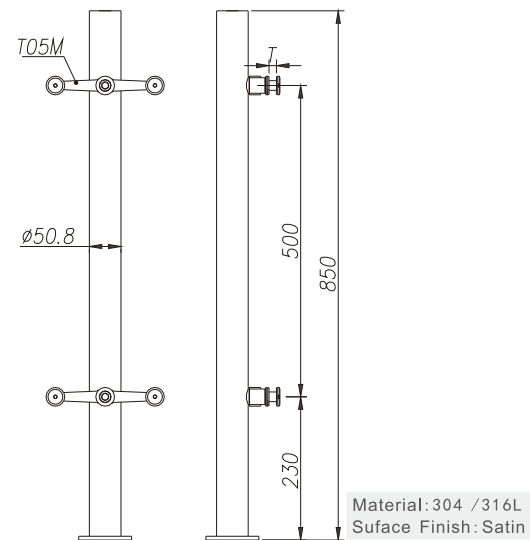
DS2  
Double-plate  
Pillar



## Glass Balustrade Series

### Glass balustrade Pillar

## Flat Elliptic Tube Pillar

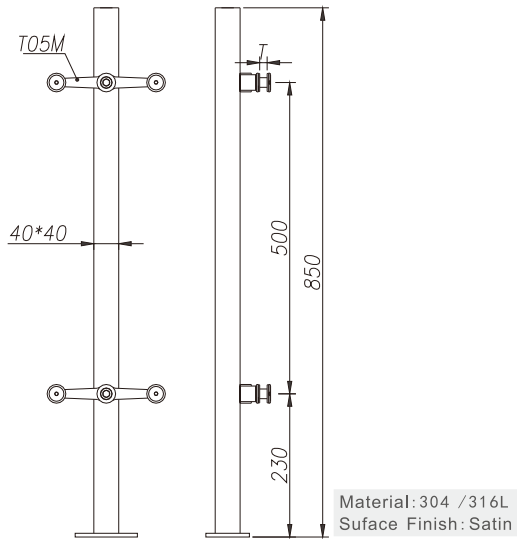




Glass Balustrade Series

Glass balustrade Pillar

DF1  
Square Tube  
Pillar



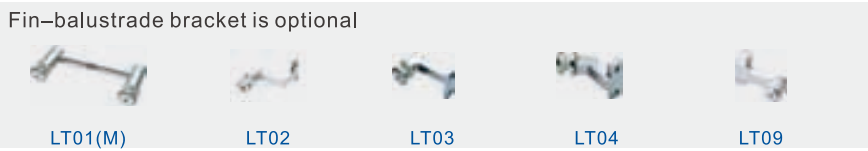
DF1-T05L DF1-T05M DF1-T05R



DF1-LT02L DF1-LT02M DF1-LT02R



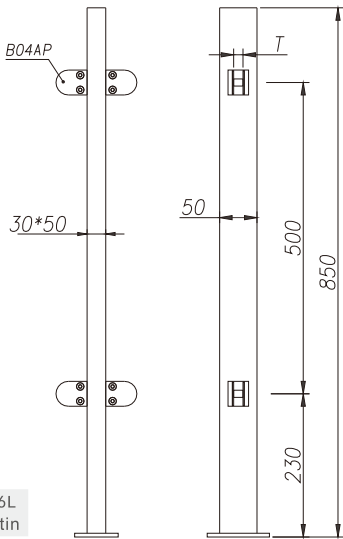
DF1-B04APL DF1-B04APM DF1-B04APR



Glass Balustrade Series

Glass balustrade Pillar

DJ1  
Rectangular Tube  
Pillar



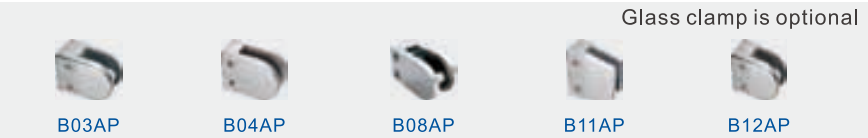
DJ1-T05L DJ1-T05M DJ1-T05R



DJ1-LT02L DJ1-LT02M DJ1-LT02R



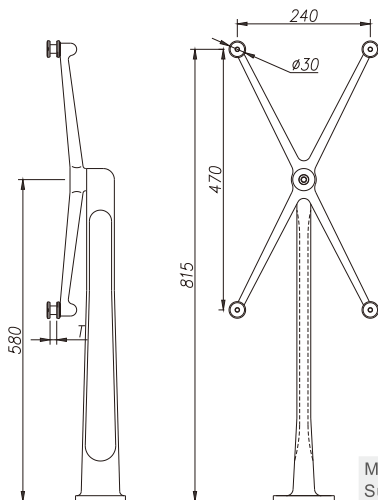
DJ1-B04APL DJ1-B04APM DJ1-B04APR



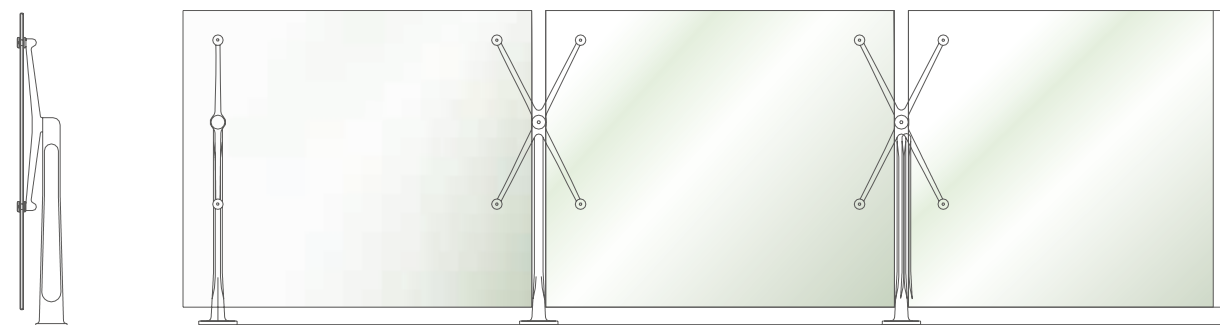
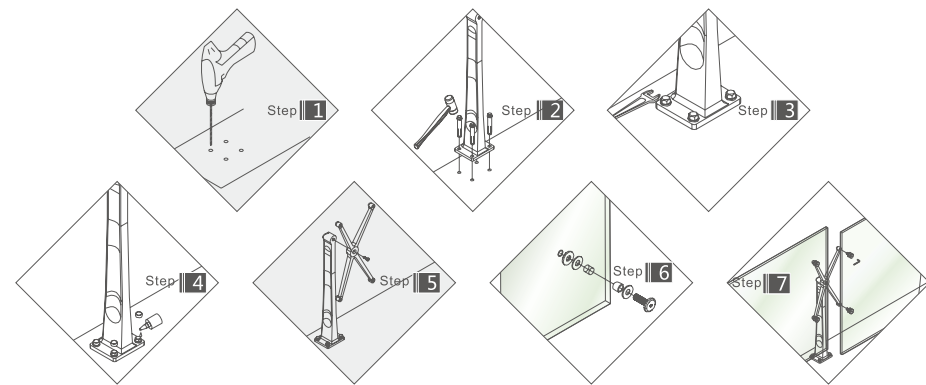
Glass Balustrade Series

Glass balustrade Pillar

Casting pillar **DZ1**



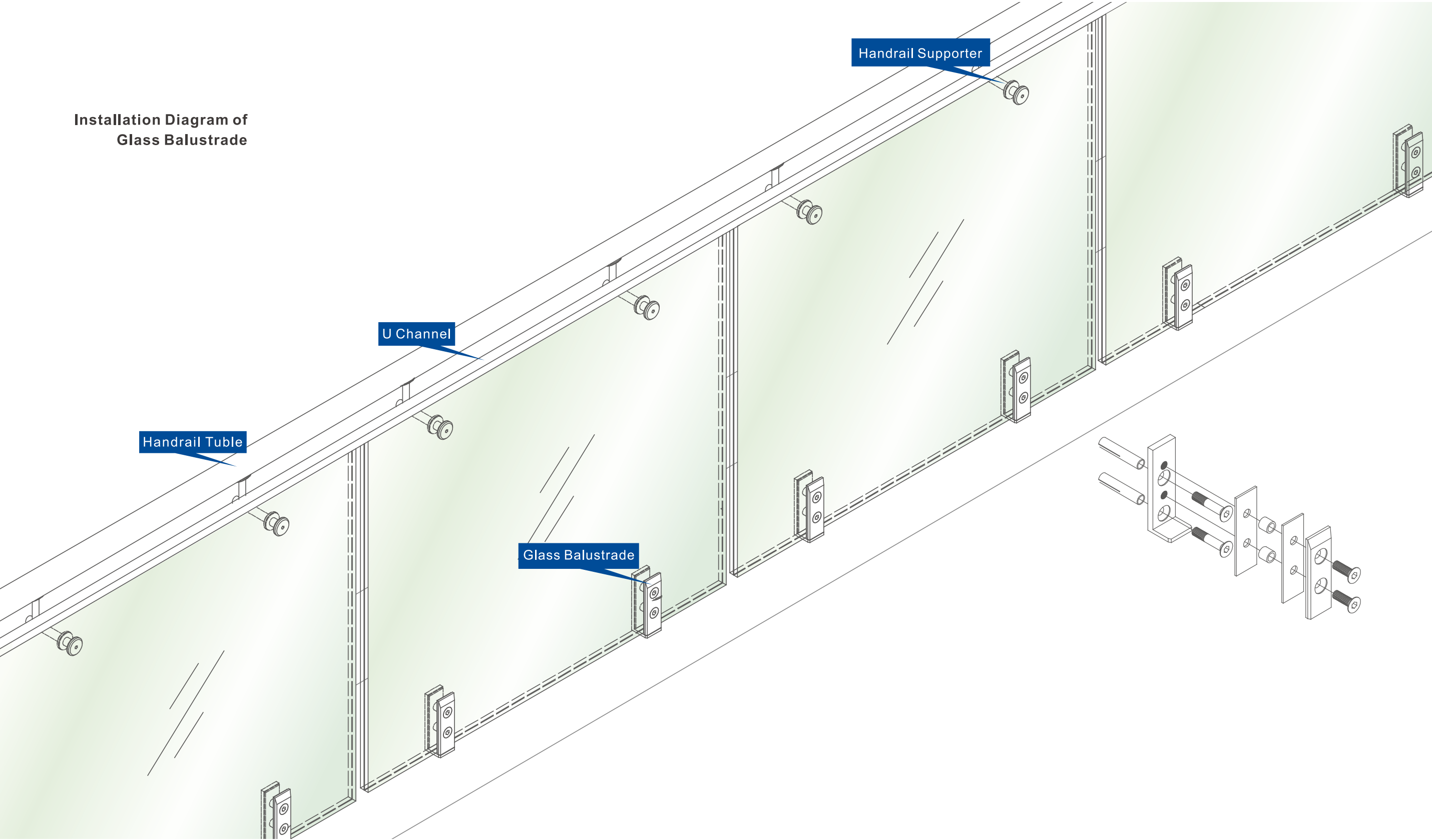
Material: 304 / 316L  
Surface Finish: Satin



Glass Balustrade Series

Glass Balustrade Series

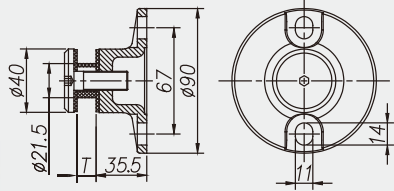

Installation Diagram of  
Glass Balustrade





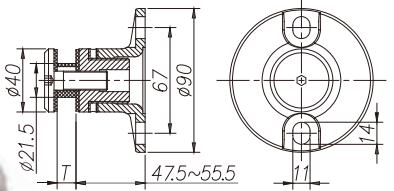
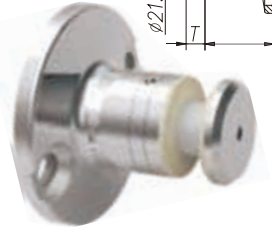
Glass Balustrade Series

Glass balustrade Fitting



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

YM01



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

YM02



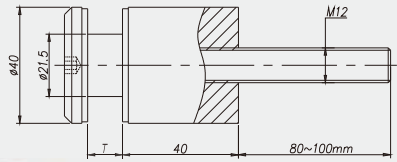

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

YM03



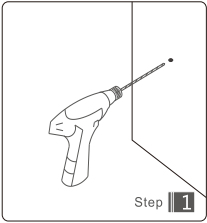
Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

YM03A

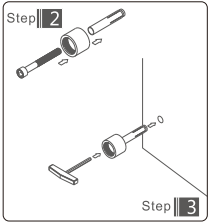


Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

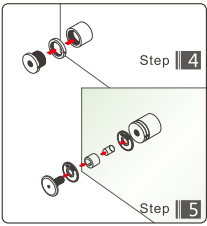
YM03B



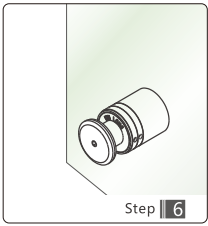
Step 1



Step 2



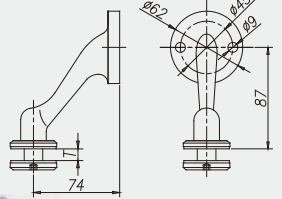

Step 3



Step 4

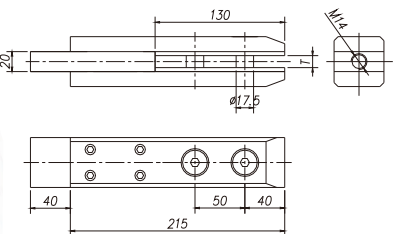

Glass Balustrade Series

Glass balustrade Fitting



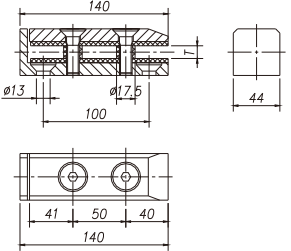

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

YM06



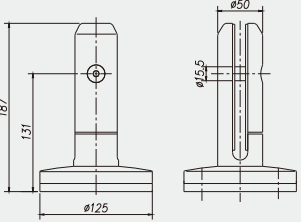

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~18mm

YM09



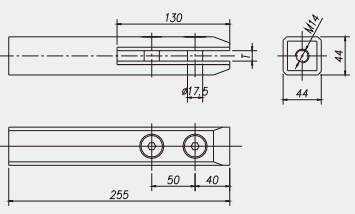

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~18mm

YM10



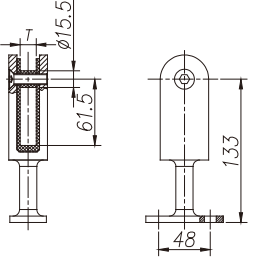

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~18mm

YM11



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~18mm

YM12

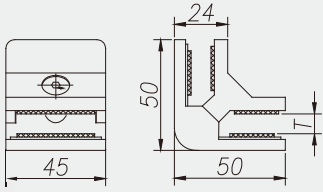



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~15mm

YM14

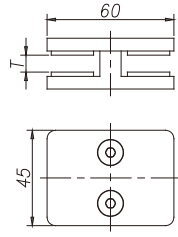

Glass Balustrade Series

Glass balustrade Fitting



**YM15**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 8~12mm



**YM16**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 8~12mm

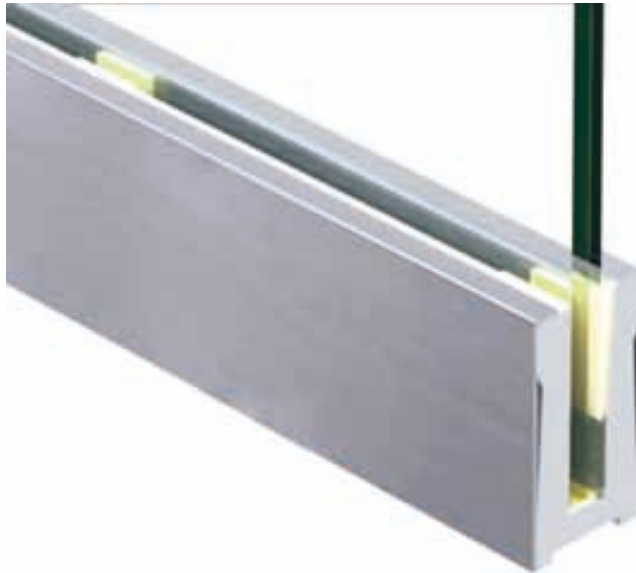


**YM17**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: Customized by glass thickness

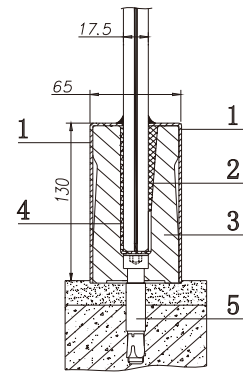
Glass Balustrade Series

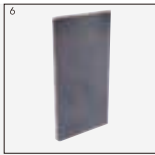
Glass balustrade Fitting




**YM18**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 17.5mm






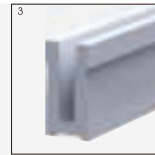
**YM18-07**  
Cap Liner  
Material:304/316



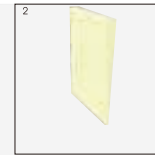
**YM18-06**  
Expansion Bolt  
Material:Q235  
Quantity:4 sets/m



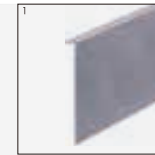
**YM18-05**  
Nylon Shim  
Material:Nylon  
Quantity:3 sets/m



**YM18-04**  
U-Groove  
Material:AL  
Length:Ls6M

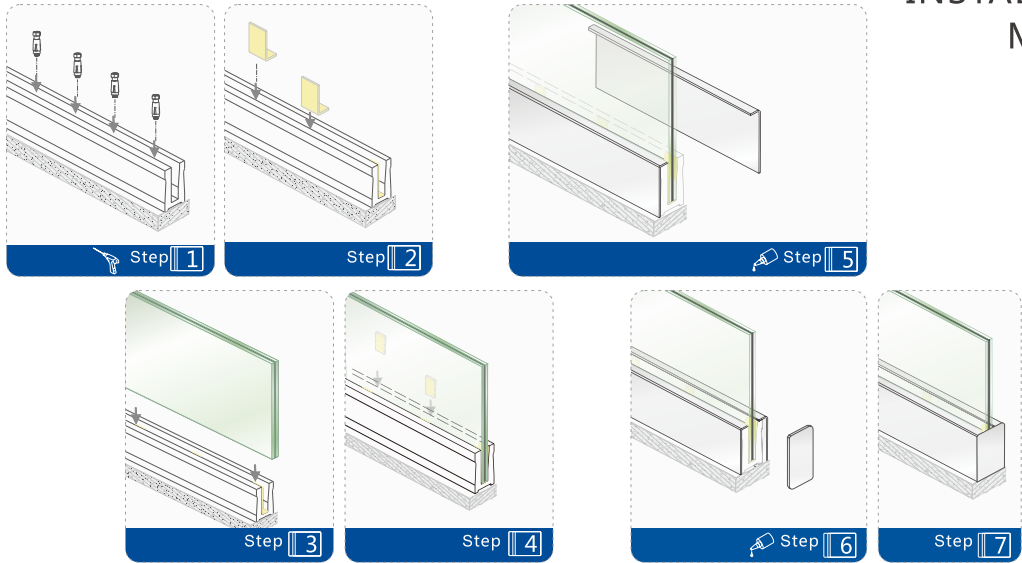


**YM18-03**  
Nylon Wedge  
Material:Nylon  
Quantity:3 sets/m



**YM18-02**  
Decoration Panel  
Material:304/316  
Length:Ls3000mm

INSTALLATION METHOD



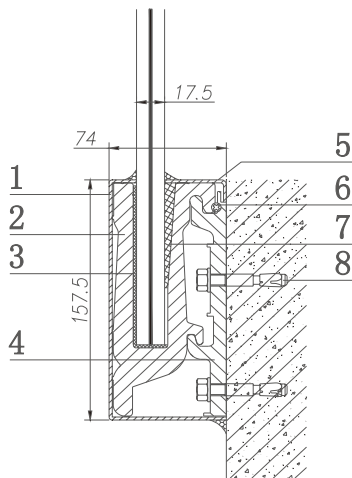
Glass Balustrade Series

Glass balustrade Fitting



YM19

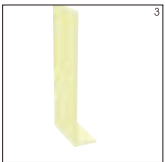
Material :304/316L  
Surface finish: satin/mirror  
Glass thickness T: 17.5mm



**YM19-03**  
Front Decoration  
Panel  
  
Material :304/316L  
Length: L≤3000mm



**YM19-02**  
U-Groove  
Accessory  
  
Material:AL  
Length:L≤ 4M



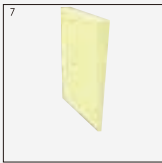
**YM18-05**  
Nylon Shim  
  
Material:Nylon  
Quantity:3 sets/m



**YM19-07**  
Cap Liner  
  
Material:304/316L



**GB/T22795**  
Expansion Bolt  
  
Material:Q235  
Quantity:4 sets/m



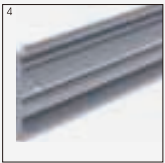
**YM18-03**  
Nylon Wedge  
  
Material:Nylon  
Quantity:3 sets/m



**GB/T 846**  
Self-tapping Screw  
  
Material:AL  
Length:L≤6M



**YM19-05**  
Back Decoration  
Panel  
Material:304/316L  
Length:L≤3000mm

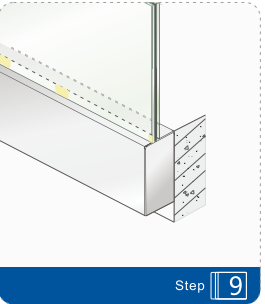
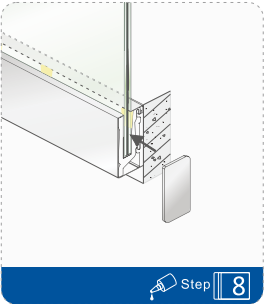
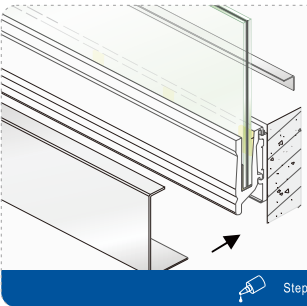
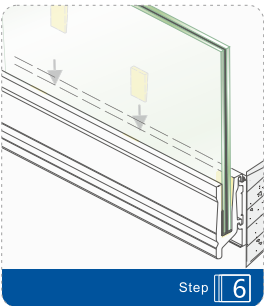
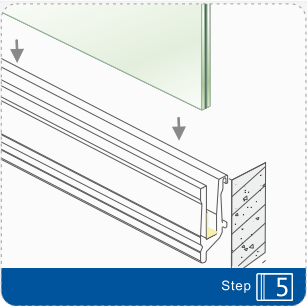
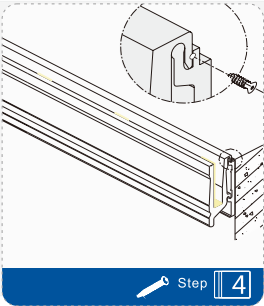
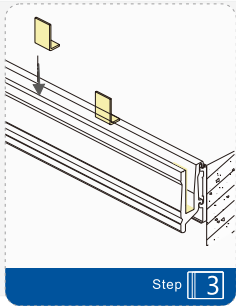
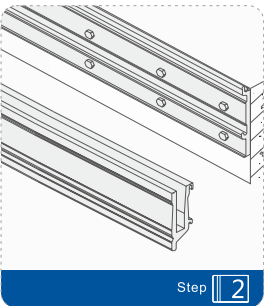
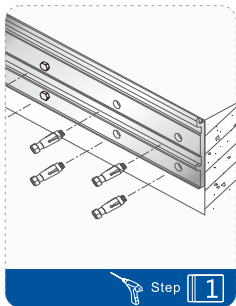


**YM19-04**  
U-Groove Fixing  
Seat  
Material:AL  
Length:L≤ 4M

Glass Balustrade Series

Glass balustrade Fitting

INSTALLATION  
METHOD OF YM19





Glass Balustrade Series

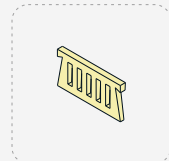
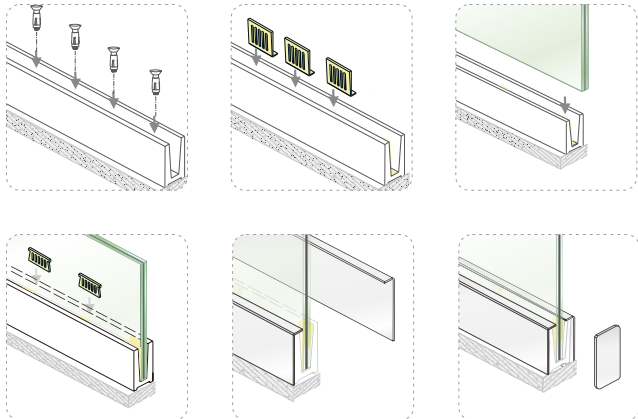
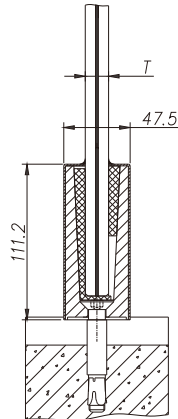
Glass balustrade Fitting

YM21A

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 13~17.5mm

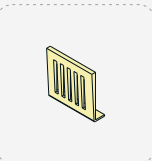


YM21A1



Nylon Shim

Material:Nylon  
Quantity:3 sets/m



Nylon Shim

Material:Nylon  
Quantity:3 sets/m



U-Groove

Material:AL  
Length:L≤6M



Decorative Panel

Material :304/316L  
Length: L≤3000mm



Decorative Panel

Material :304/316L  
Length: L≤3000mm



Cap Liner

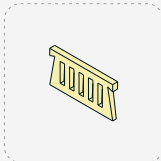
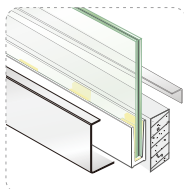
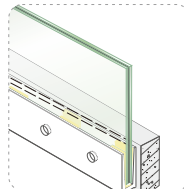
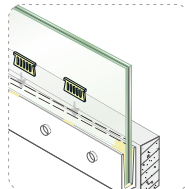
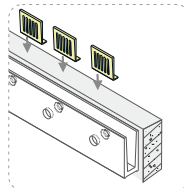
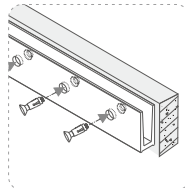
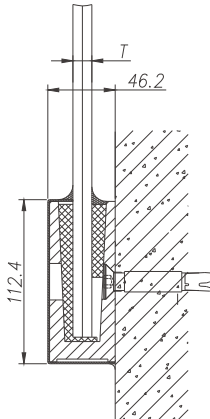
Material:304/316L

YM21B

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 13~17.5mm

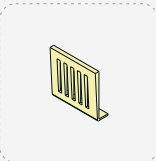


YM21B1



Nylon Shim

Material:Nylon  
Quantity:3 sets/m



Nylon Shim

Material:Nylon  
Quantity:3 sets/m



U-Groove

Material:AL  
Length:L≤6M



Front Decoration Panel

Material :304/316L  
Length: L≤3000mm



Back Decoration Panel

Material :304/316L  
Length: L≤3000mm

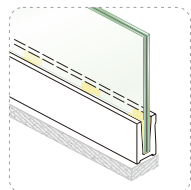
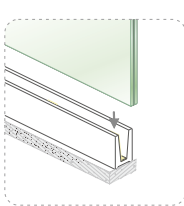
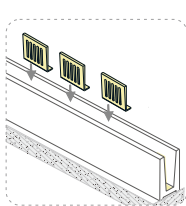
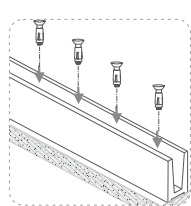
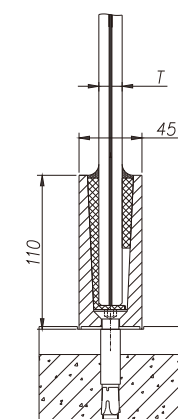


Cap Liner

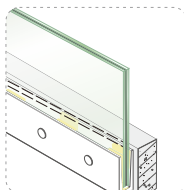
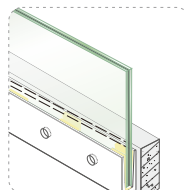
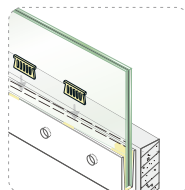
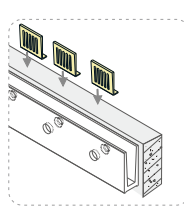
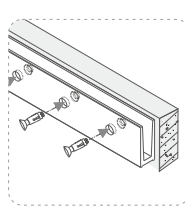
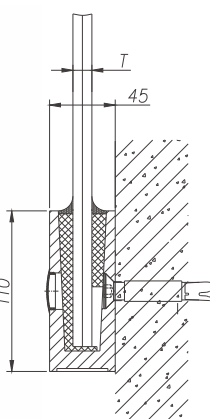
Material:304/316L



YM21A2



YM21B2



**Note:** Aluminum U channel without ss decoration panel,  
Finish surface should be using hairline anodizing.

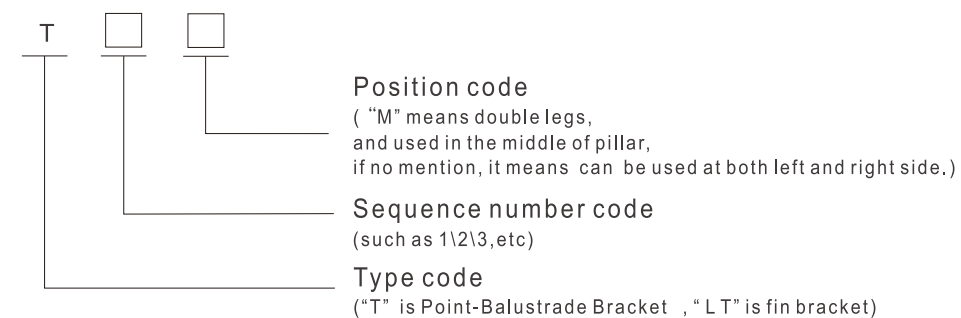
**Note:** Aluminum U channel without ss decoration panel,  
Finish surface should be using hairline anodizing.

## Pillar Fitting Series



## Balustrade Bracket

### I Dentification Of Products



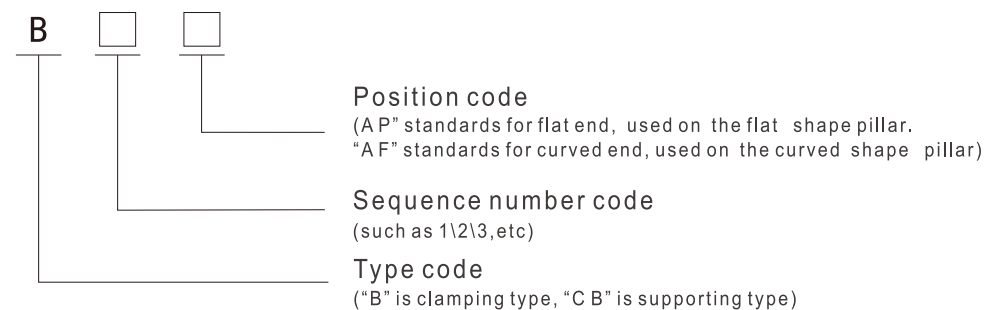
For example:T05M means Point-Balustrade Bracket type 05 used in the middle of the pillar;LT16R means fin type 16 used in the right side of the pillar.

### II Bracket RouteI Technical

- 1、 glass thickness:  $12\text{ mm} \leq T \leq 17.5\text{ mm}$  , the specific situation is as the product instruction shows ;
- 2、 Tapping screw outer diameter is  $\varnothing 30\text{ mm}$ ;
- 3、 Washer diameter is  $\varnothing 15.5\text{ mm}$   
(note : T08M、 T08、 T09M、 T09、 T10M、 T10 are not included)

## Glass Clamp

### I Dentification Of Products

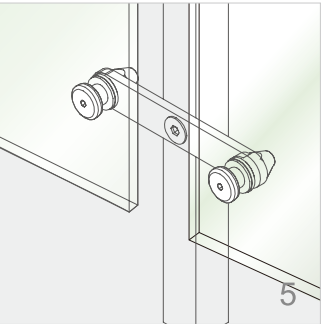
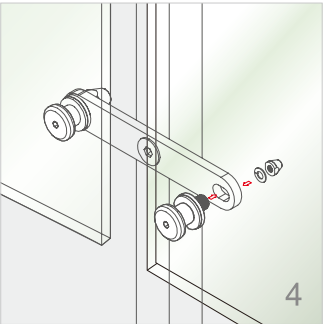
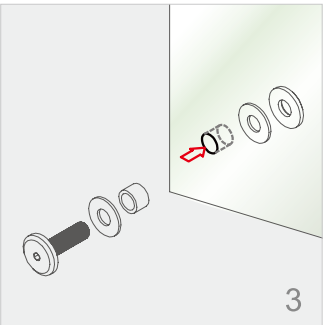
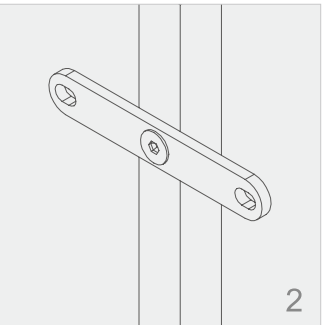
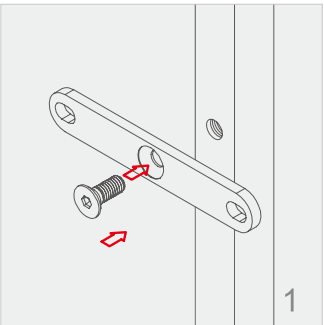
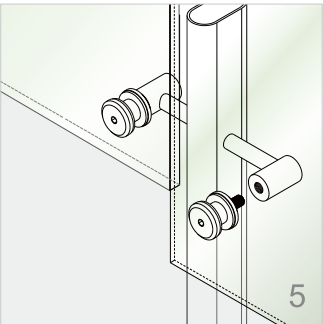
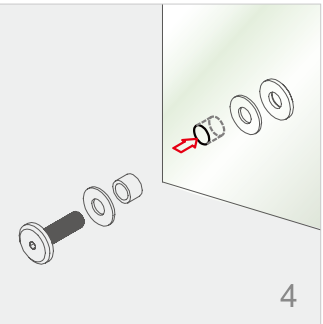
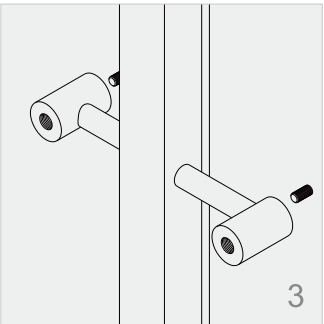
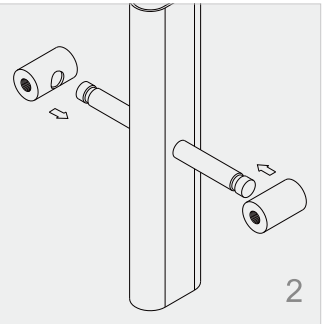
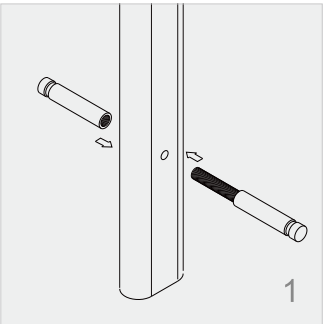


For example :Code B03AP means type 03, which bottom is jointed with the flat pillar .

#### Note:

- 1、 standard glass thickness:  $12\text{ mm} \leq T \leq 17.5\text{ mm}$  , if others, please mark out and inform us.

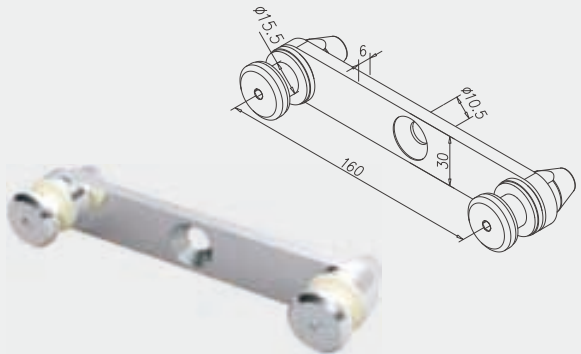






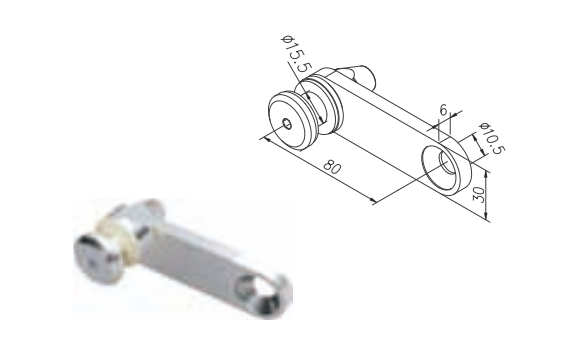
Pillar Fitting Series

Point-Balustrade Bracket



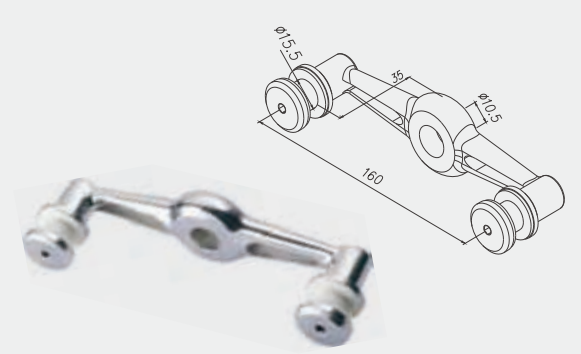
**T01M**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**T01**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



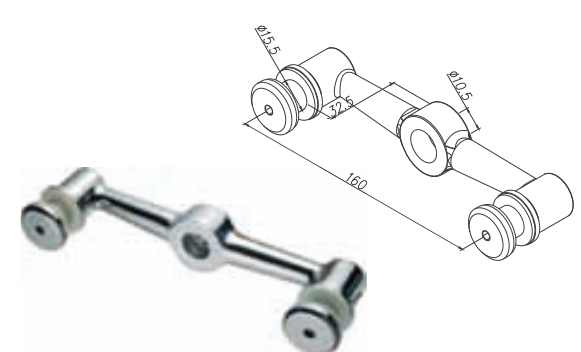
**T07M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



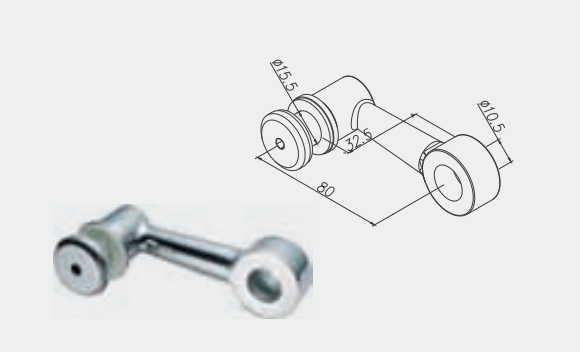
**T07**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



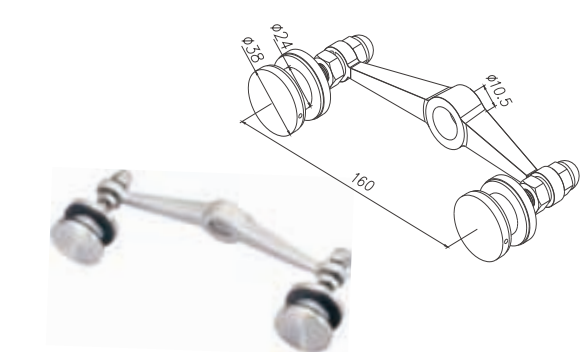
**T05M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



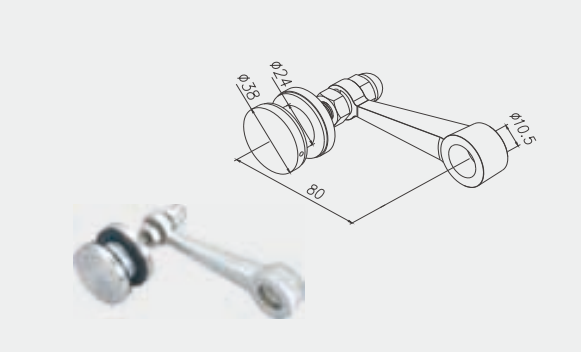
**T05**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



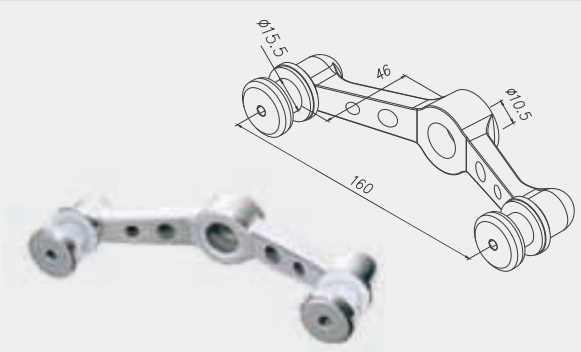
**T08M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**T08**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



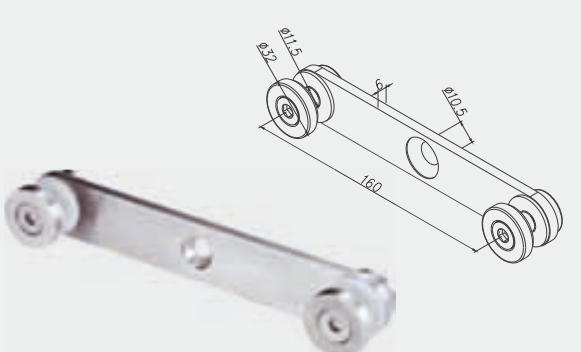
**T06M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**T06**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**T09M**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~14mm



**T09**

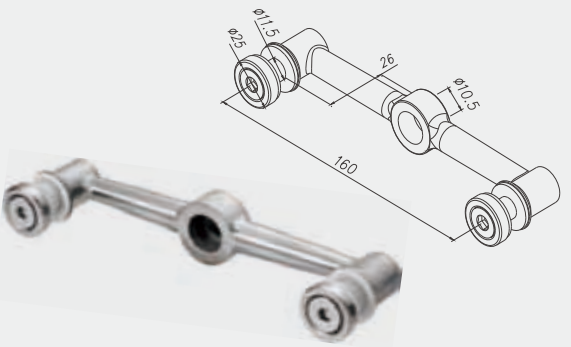
Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~14mm

Pillar Fitting Series

Point-Balustrade Bracket

Pillar Fitting Series

Point-Balustrade Bracket



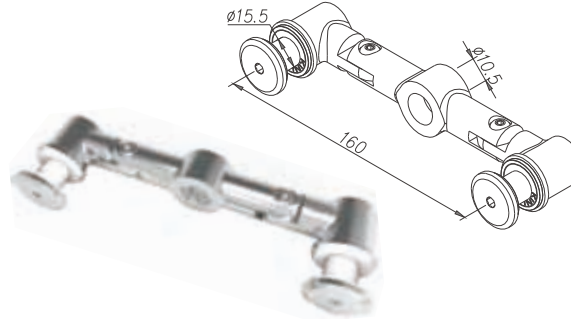
**T10M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**T10**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



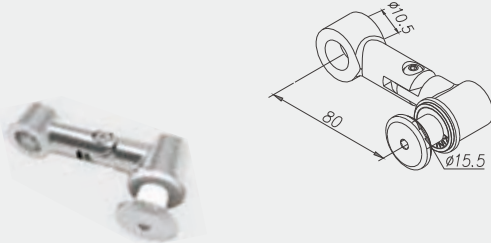
**T11M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



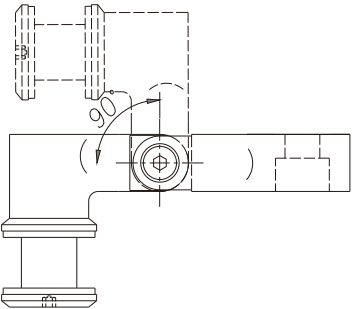
**T11L**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



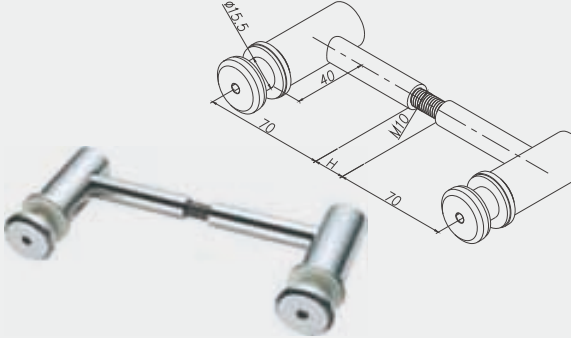
**T11R**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



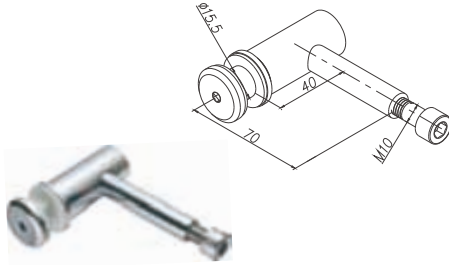
Pillar Fitting Series

Fin-Balustrade Bracket



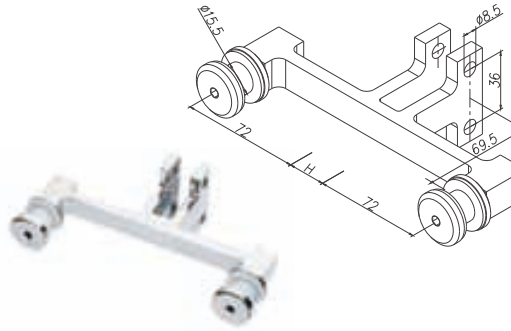
**LT01M**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



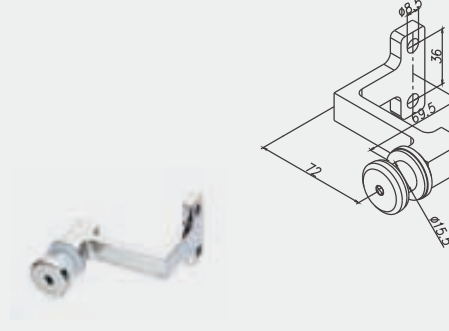
**LT01**

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**LT02M**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm  
Adaptation of thickness H : 8/10/12



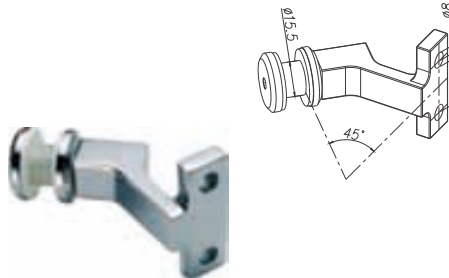
**LT02**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**LT03**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

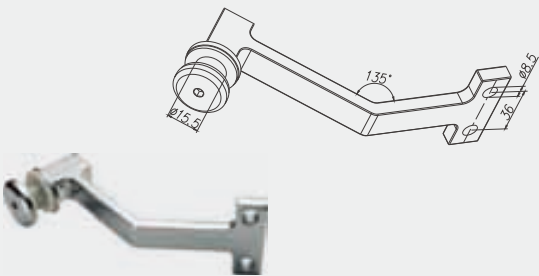


**LT04**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

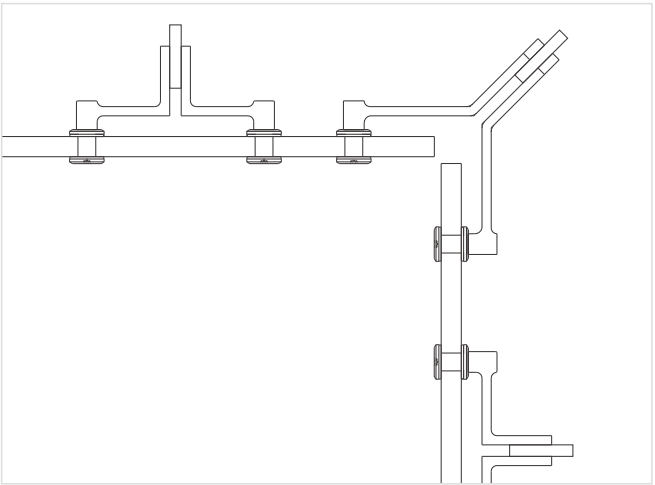
Pillar Fitting Series

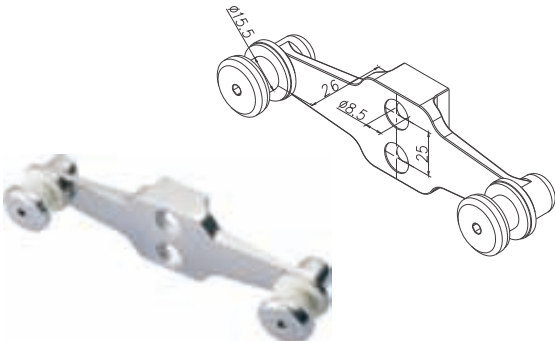
Fin-Balustrade Bracket



LT05

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm





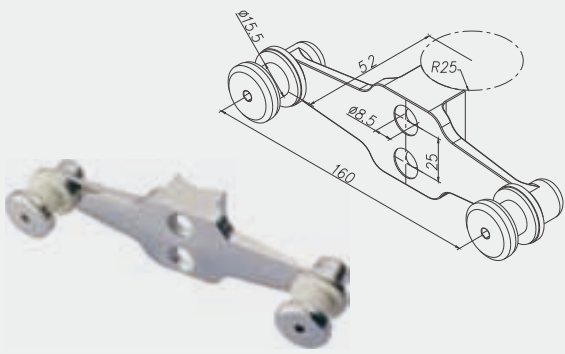
LT06M

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



LT06

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



LT07M

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

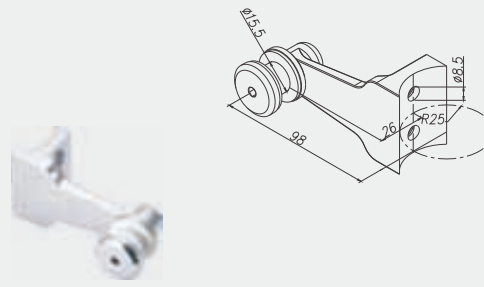


LT07

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

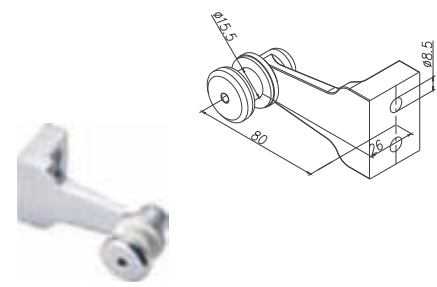
Pillar Fitting Series

Fin-Balustrade Bracket



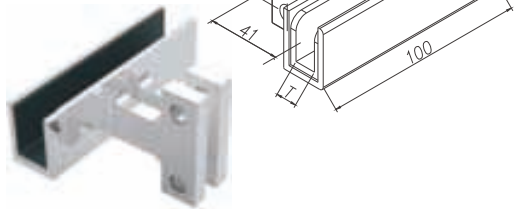
LT08

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



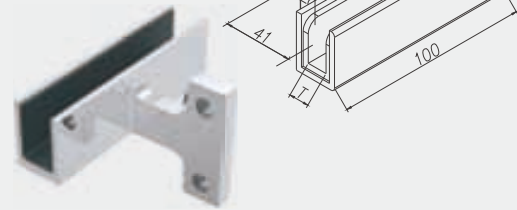
LT09

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



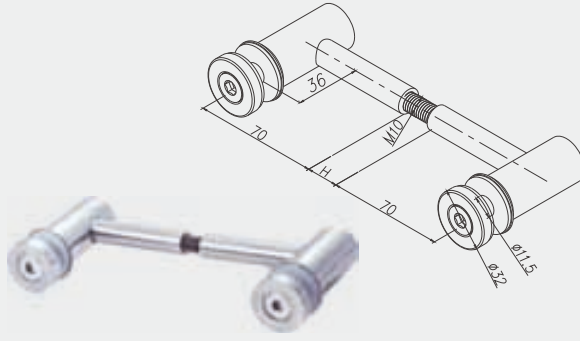
LT10

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 10/12mm  
Adaptation of thickness H :8/10/12



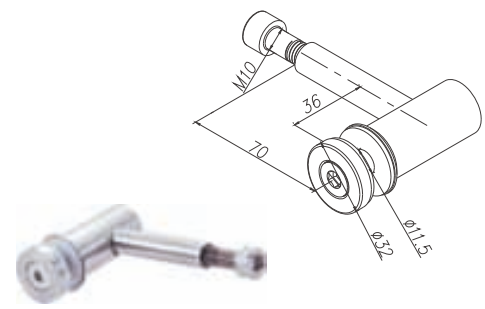
LT11

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 10/12mm



LT12M

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



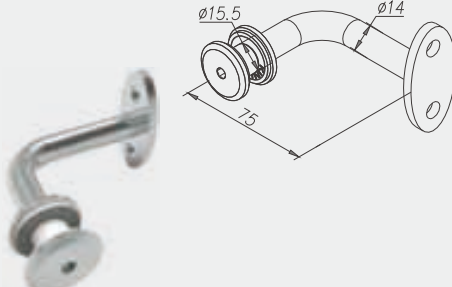
LT12

Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



Pillar Fitting Series

Fin-Balustrade Bracket



**LT14**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



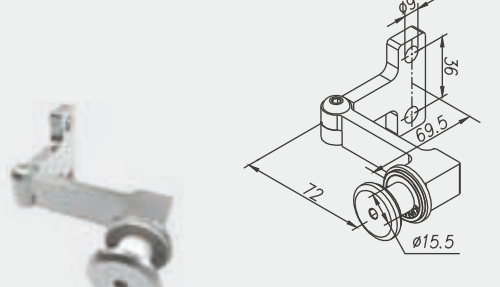
**LT15**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 17~23mm



**LT16L**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



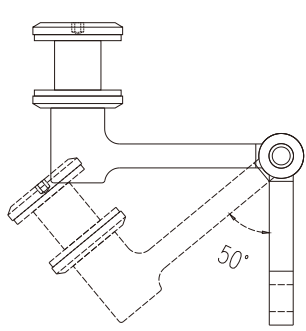
**LT16R**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**LT17**

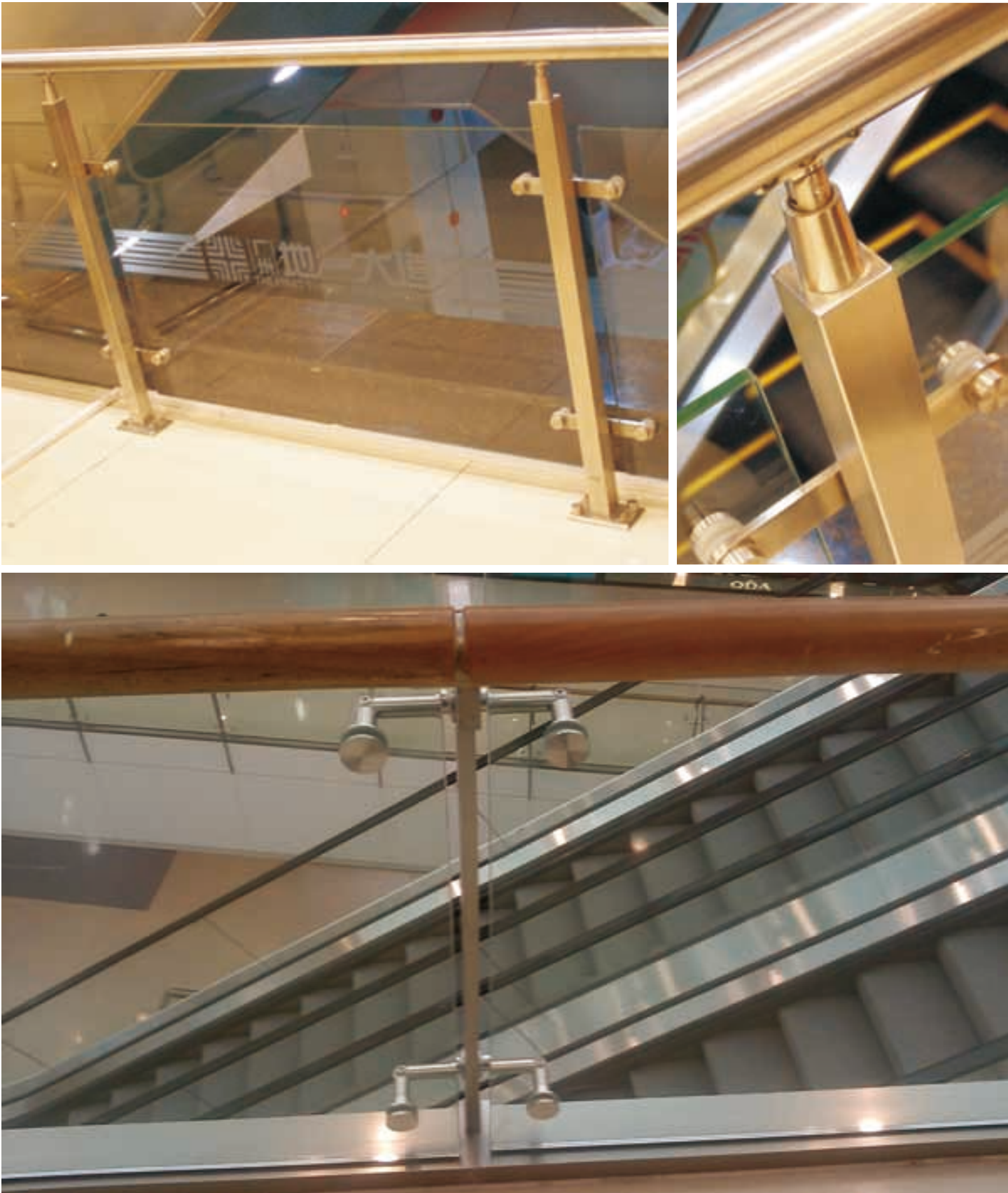
Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



**LT18**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

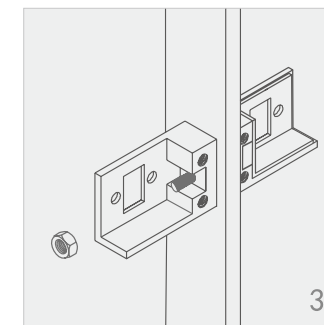
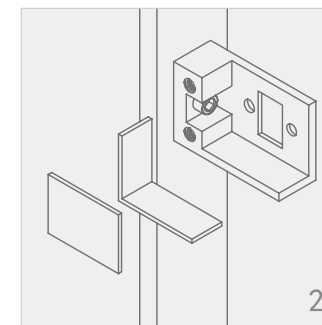
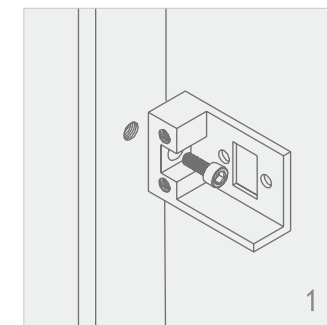
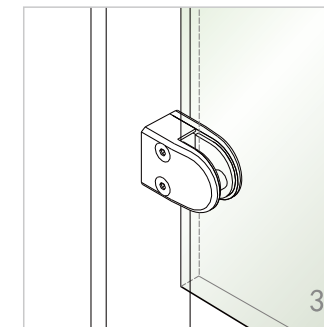
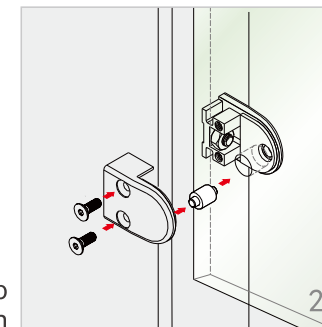
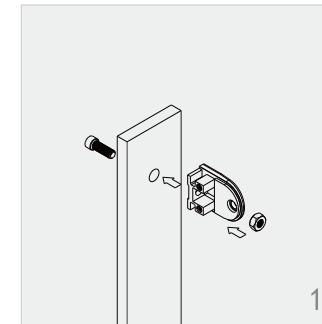
Pillar Fitting Series



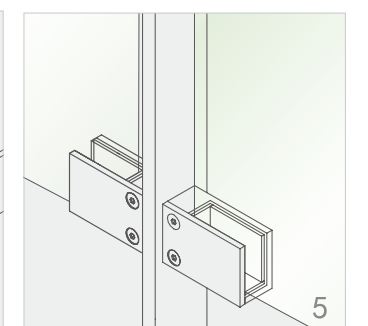
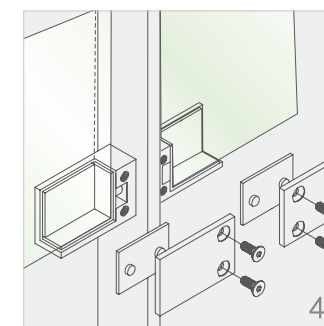




Clamping Clamp  
Installation Instruction



Supporting Clamp  
Installation Instruction



Pillar Fitting Series

Clamping Clamp

**B03AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B03AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B04AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B04AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B05AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B05AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B08AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B08AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B09AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B09AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B10AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B10AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Pillar Fitting Series

Clamping Clamp



Pillar Fitting Series

Clamping Clamp

**B11AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B11AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B12AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B12AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B13AP**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

**B13AF**

Glass hole drilling drawing  
(just for reference)

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Pillar Fitting Series

Supporting Clamp

**CB01AP**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm  
Note:CB01P match with CB02AP

**CB01AF**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm  
Note:CB01F match with CB02AF

**CB02AP**

Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm  
Note:CB02P match with CB01AP

**CB02AF**

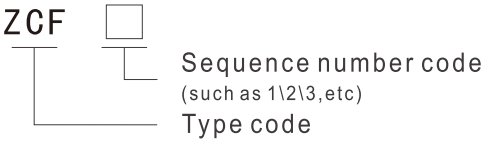
Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm  
Note:CB02F match with CB01AF

Handrail Fitting Series



Handrail Support Fitting

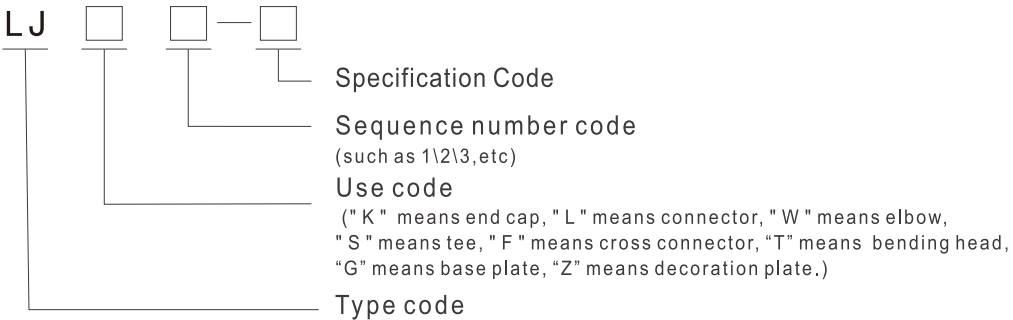
I Products Of Code



For example:code ZCF01, means type 01 handrail support fitting.

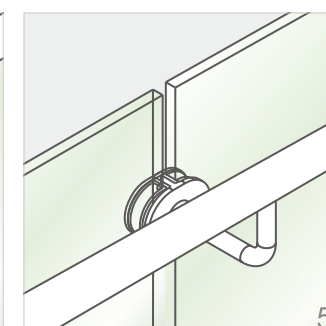
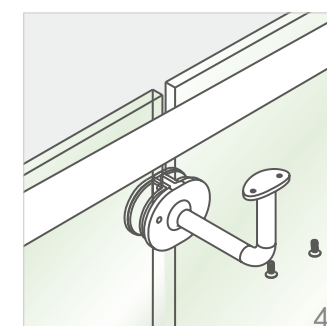
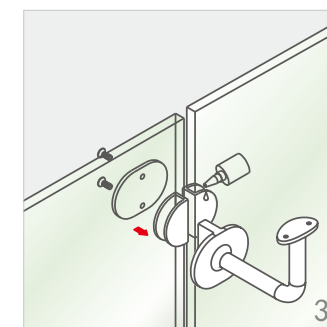
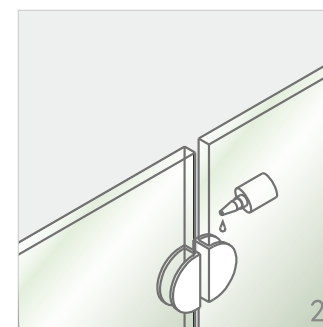
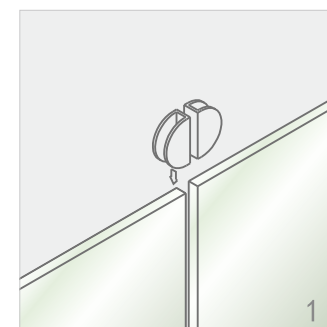
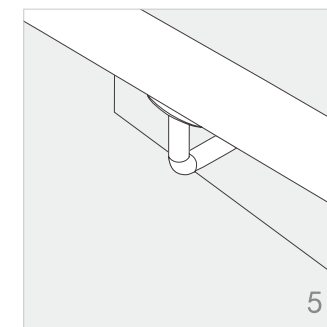
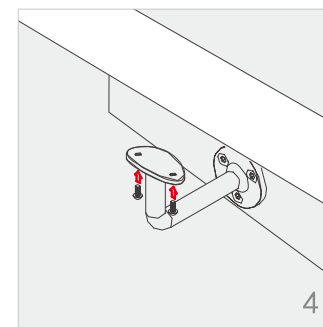
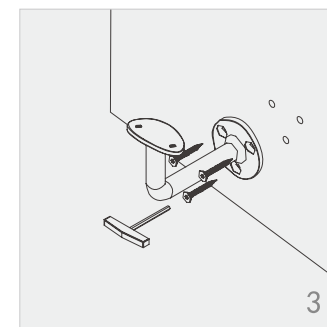
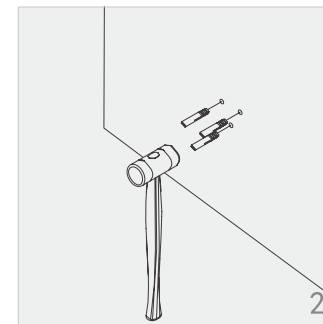
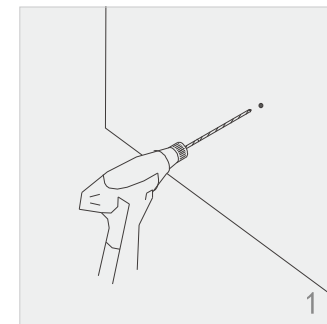
Handrail Connector

I Products Of Code



For example :LJW01 -Ø50.8 means, type 01 elbow, matched with Ø50.8 m m handrail .



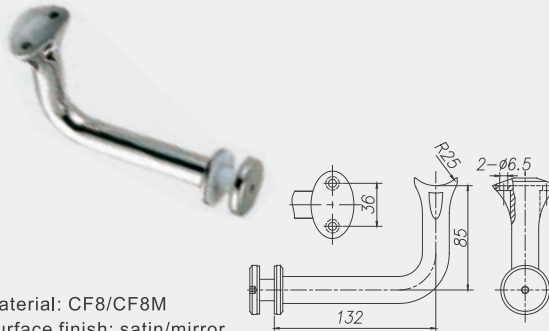




Handrail Fitting Series

Handrail Support Fitting

**ZCF02**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 132, 85, 36, 2-ø6.5, R15.

**ZCF03**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 45, 84, 68, 2-ø8.5.

**ZCF16M**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 10/12mm

Technical drawing showing dimensions: 113, 83.7, 75, 2-ø6.5, R25.

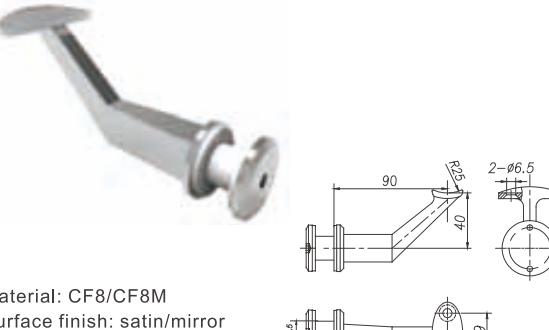
**ZCF16**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 10/12mm

Technical drawing showing dimensions: 113, 83.7, 75, 2-ø6.5, R25.

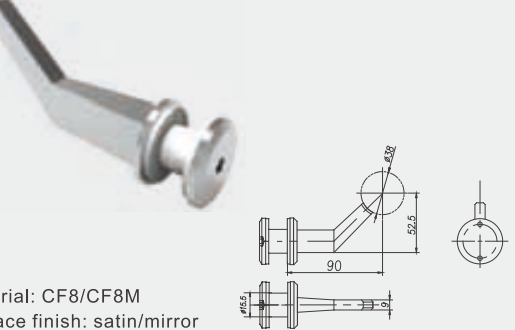
**ZCF05**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 90, 40, 2-ø6.5, 29.

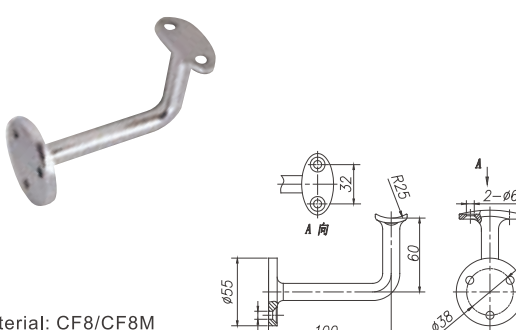
**ZCF06**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 90, 52.5, 43.2, 2-ø6.5.

**ZCF18**



Material: CF8/CF8M  
Surface finish: satin/mirror

Technical drawing showing dimensions: 100, 60, 32, 2-ø6.5, R25, 52.3, 3-ø6.5, 100, 60, 32, 2-ø6.5, R25.

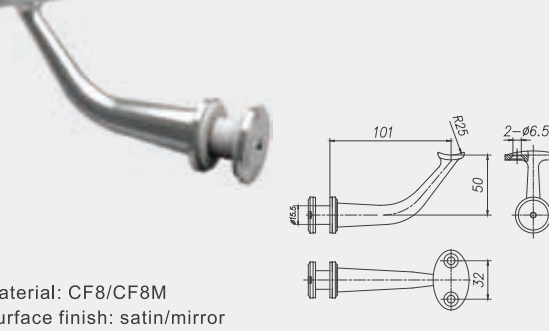
**ZCF20**



Material: CF8/CF8M  
Surface finish: satin/mirror

Technical drawing showing dimensions: 90, 65, 2-ø6.5, R25, 32, 27, 52.3, 3-ø6.5, 100, 60, 32, 2-ø6.5, R25.

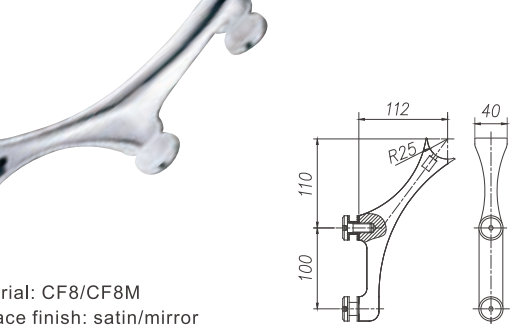
**ZCF07**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 101, 50, 2-ø6.5, 32.

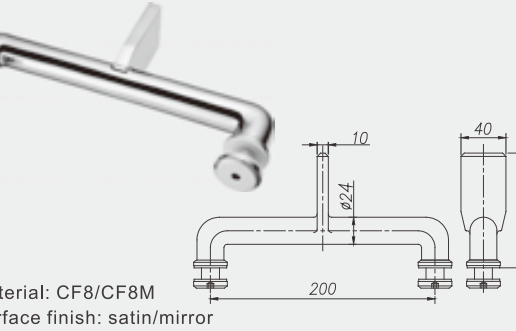
**ZCF13**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 112, 40, 110, 100, R25.

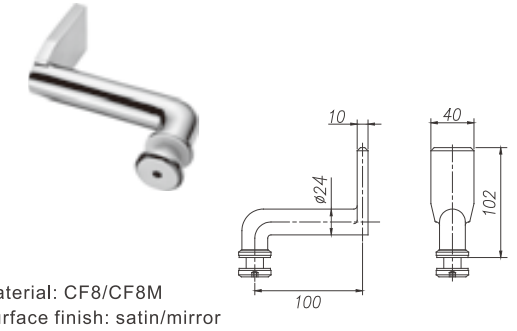
**ZCF23**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 200, 10, 40, 102, 24.

**ZCF24**



Material: CF8/CF8M  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm

Technical drawing showing dimensions: 10, 40, 102, 100, 24.


Handrail Fitting Series

Handrail Support Fitting

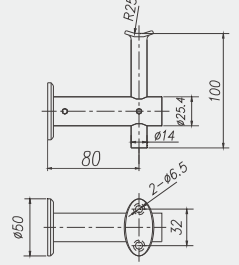
Handrail Fitting Series

Handrail Support Fitting

**ZCF26**




Material: 304/316L  
Surface finish: satin/mirror

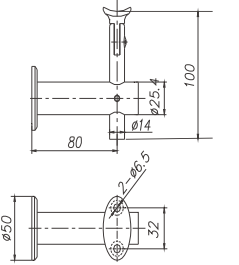


Technical drawing showing dimensions: 80, 100, 25.4, 14, 25, 2-ø6.5, 50, 32.

**ZCF27**




Material: 304/316L  
Surface finish: satin/mirror

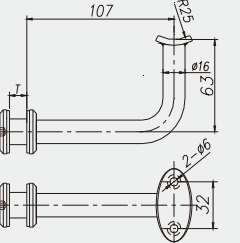


Technical drawing showing dimensions: 80, 100, 25.4, 14, 25, 2-ø6.5, 50, 32.

**ZCF34**




Material: 304/316  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

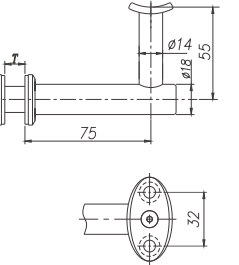


Technical drawing showing dimensions: 107, 23, 16, 6.3, 2-ø6, 32.

**ZCF36**



Material: 304/316  
Surface finish: satin/mirror  
Glass thickness T: 12~17.5mm



Technical drawing showing dimensions: 75, 14, 55, 18, 32.

**ZCF28**




Material: CF8/CF8M  
Surface finish: satin/mirror

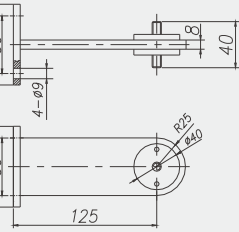


Technical drawing showing dimensions: 50, 100, 25, 15, 45, 40, R25.

**ZCF29**




Material: CF8/CF8M  
Surface finish: satin/mirror

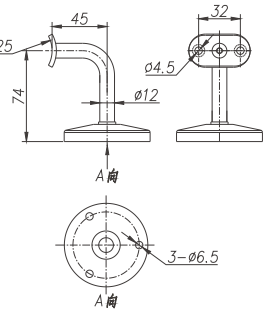


Technical drawing showing dimensions: 70, 50, 40, 8, 4-ø9, 125, 25, 40, R25.

**ZCF37**




Material: 304/316  
Surface finish: satin/mirror

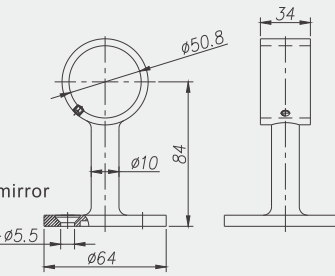


Technical drawing showing dimensions: 45, 32, 74, 25, 4.5, 12, 3-ø6.5, 10, 64.

**ZCF38**




Material: CF8/CF8M  
Surface finish: satin/mirror

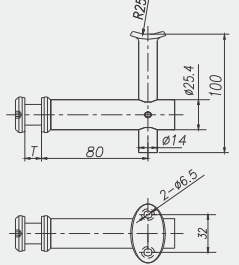


Technical drawing showing dimensions: 34, 50.8, 84, 10, 2-ø5.5, 64.

**ZCF30**




Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm

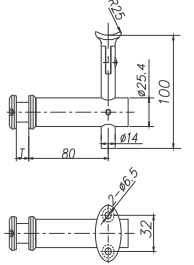


Technical drawing showing dimensions: 80, 100, 25.4, 14, 25, 2-ø6.5, 50, 32.

**ZCF31**



Material: 304/316L  
Surface finish: satin/mirror  
Glass thickness T: 12~20mm



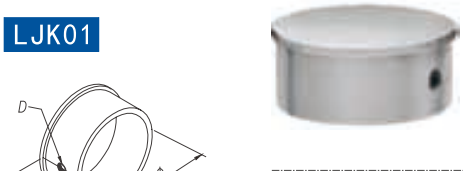
Technical drawing showing dimensions: 80, 100, 25.4, 14, 25, 2-ø6.5, 50, 32.



Handrail Fitting Series

End Cap

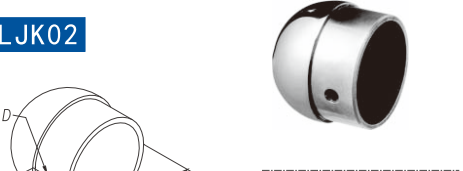
LJK01



Supportive thickness

1.0	1.2	1.5	2.0
Φ	38.1	44.5	50.8
D	M6		


LJK02



Supportive thickness

1.0	1.2	1.5	2.0
Φ	38.1	44.5	50.8
D	M6		


LJK03



Supportive thickness

1.2	1.5	2.0
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LJK04



Φ

50.8
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LJK05



Supportive thickness

1.2	1.5	2.0	
Φ	38.1	44.5	50.8

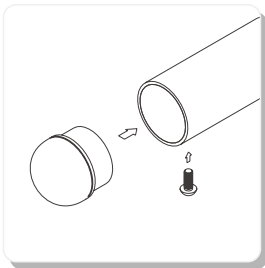
LJK06



Supportive thickness

1.2	1.5	2.0	
Φ	38.1	44.5	50.8
t (max)	17.5	22	26

End Cap Installation instruction



Handrail Fitting Series

Connector


LJL01



Supportive thickness

1.0	1.2	1.5	2.0
Φ	38.1	44.5	50.8


LJL02



Supportive thickness

1.2	1.5	2.0
-----	-----	-----


LJL03



Supportive thickness

1.2	1.5	2.0	
Φ	48.4	47.8	46.8

LJL04




Supportive thickness

1.2	1.5	2.0	
Φ	48.4	47.8	46.8
T (max)	17	17	17

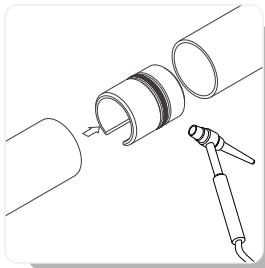
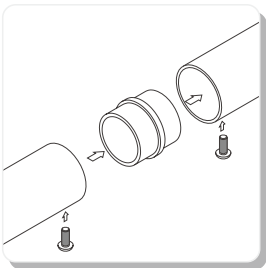
LJL05



LJL06



Connector Installation Instruction

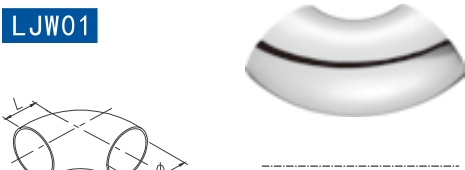




Handrail Fitting Series


Elbow

LJW01



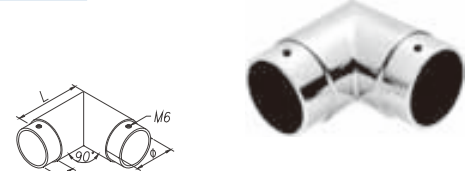
Φ	44.5	50.8	60
L	55.4	55.4	70

LJW02




Supportive thickness	1.0	1.2	1.5	2.0
Φ	38.1	44.5	50.8	63.5
L	59.4	59.4	59.4	59.4

LJW03




Supportive thickness	1.0	1.2	1.5	2.0
Φ	38.1	44.5	50.8	63.5
L	53.1	59.5	65.8	78.5

LJW04



Supportive thickness	1.0	1.2	1.5	2.0
Ø	50.8			
D	M6			

LJW05




Supportive thickness	1.0	1.2	1.5	2.0
Φ	44.5	50.8		

LJW06




Supportive thickness	1.0	1.2	1.5	2.0
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LJW08



Supportive thickness	1.0	1.2	1.5	2.0
Ø	50.8			

LJW09




Supportive thickness	1.5	2.0
Ø	50.8	

Handrail Fitting Series

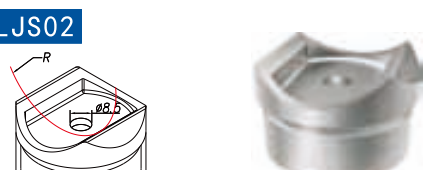
Elbow

LJS01



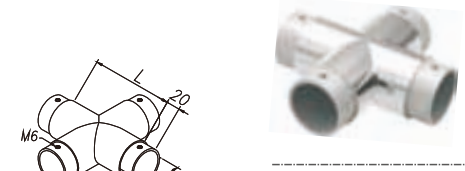
Supportive thickness	1.0	1.2	1.5	2.0
Ø	38.1	44.5	50.8	63.5
L	68.1	74.5	80.8	93.5

LJS02



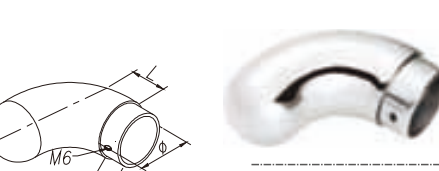
Supportive thickness	1.2	1.5	2.0
Ø	50.8		

LJF01

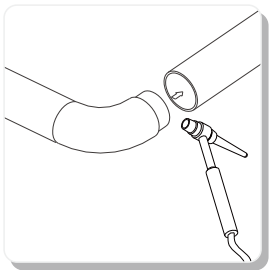
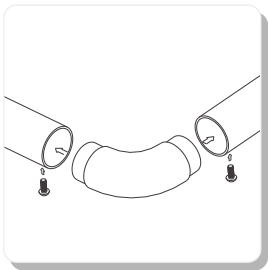


Supportive thickness	1.0	1.2	1.5	2.0
Ø	44.5	50.8		
L	100	100		

LJT01



Supportive thickness	1.0	1.2	1.5	2.0
Ø	44.5	50.8		
L	57.4	57.4		

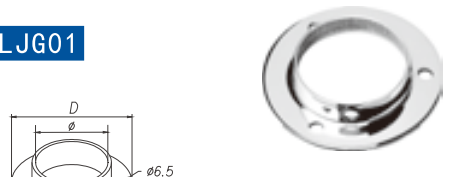


Elbow Installation Instruction

Handrail Fitting Series

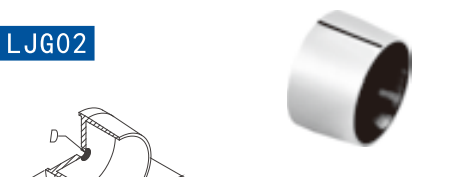
Base Plate

LJG01



D	80	85
Φ	44.5	50.8

LJG02




D	M8
Φ	44.5 50.8

LJG03



LJG05




Supportive thickness	1.2	1.5	2.0
Φ	50.8		

LJG06



Φ	50.8
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LJG09



Handrail Fitting Series

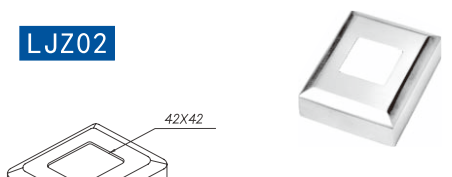
Cover Plate

LJZ01




D	90
Φ	45 52


LJZ02



LJZ03



LJZ04




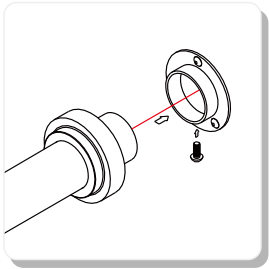
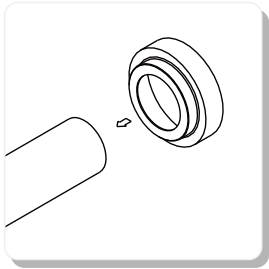
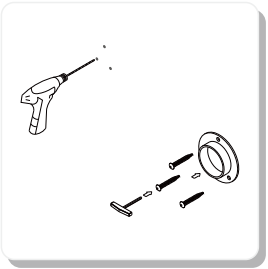
LJZ05



A*B (mm)	43*83	49*103
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LJZ07





Base Plate And Decoration  
Panel Installation Instruction

Commonly Used Pipe Specifications



Circular Tube

Ø	10	15.9	25.4
	31.8	38.1	50.8
	60.3	63.5	76.2

Elliptic Tube

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

Flat Elliptic Tube

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

U Circular tube

Ø	48.3	50.8	63.5	76.2
t*h	27*30	15*15	20*20	25*25
		19*32	25*25	
		20*20		

U Elliptic Tube

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

Commonly Used Pipe Specifications

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

U Square Tube

t*h	15*15 (40*40)
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U Rectangular Tube

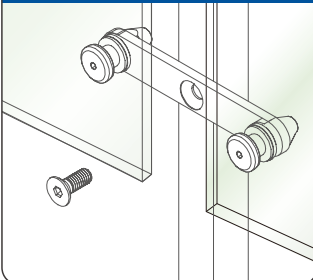
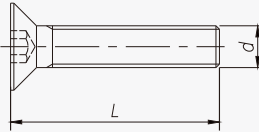

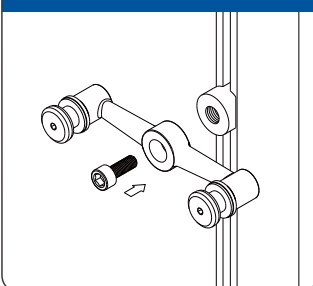
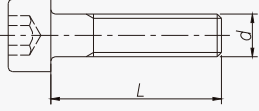

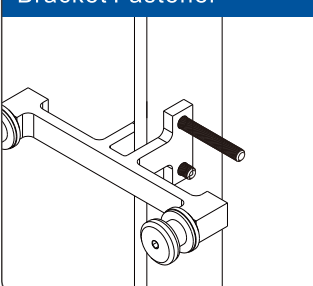
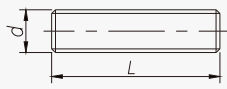

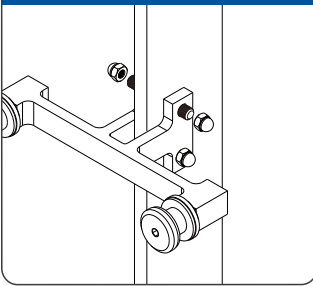

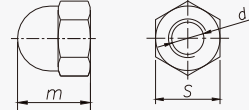
a*b	40*60
t*h	24*24

**NOTE :**

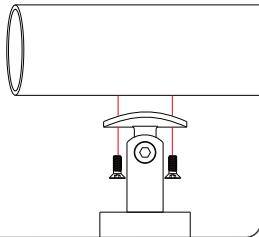
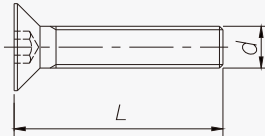

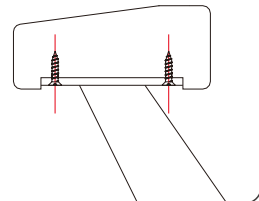
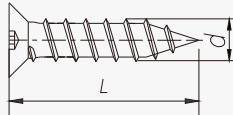

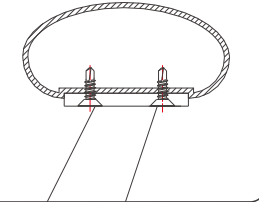
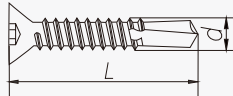

Above specifications are for your reference only.  
Any other specification is required, please consult us.



Common Fasteners  
Matching Table

<div>Bracket Fastener</div> 	<div>Hexagon Socket Countersunk Screw (DIN 7991)</div> <div>Screw Nominal Length L : 12、16、20、25、30、35</div> <div>Mark example: screw DIN 7991 M10X12</div> <div><table><tr><td>d</td></tr><tr><td>M10</td></tr></table></div>	d	M10
d			
M10			
<div>Bracket Fastener</div> 	<div>Hexagon Socket Cap Screw (DIN 912)</div> <div>Screw Nominal Length L : 10、12、16、20、25、30、35、40、45、50、55、60</div> <div>Mark example: screw DIN 912 M10X16</div> <div><table><tr><td>d</td></tr><tr><td>M10</td></tr></table></div>	d	M10
d			
M10			
<div>Bracket Fastener</div> 	<div>Threaded Rod (GB/T 15389)</div> <div>Mark example: threaded rod GB/T 15389 M10X16</div> <div><table><tr><td>d</td></tr><tr><td>M8</td></tr></table></div>	d	M8
d			
M8			
<div>Bracket Fastener</div> 	<div>Cap Nut (DIN 1587)</div> <div>Mark example: cap nut DIN1587 M8</div> <div></div>		

Common Fasteners  
Matching Table

<div>Ss Handrail Connector</div> 	<div>Hexagon Socket Countersunk Screw (DIN 7991)</div> <div>Screw Nominal Length L: 10、12、16、20、25、30</div> <div>Mark example: screw DIN 7991 M6X16</div> <div><table><tr><td>d</td></tr><tr><td>M6</td></tr></table></div>	d	M6		
d					
M6					
<div>Wooden Handrail Connector</div> 	<div>Cross Recessed Countersunk Self-tapping Screw (GB/T 846)</div> <div>Mark example: self-tapping screw GB/T 846 ST4. 2X25</div> <div><table><tr><td>d</td></tr><tr><td>ST4.2</td></tr><tr><td>ST5.5</td></tr></table></div>	d	ST4.2	ST5.5	
d					
ST4.2					
ST5.5					
<div>Alu. handrail connector</div> 	<div>Cross Recessed Countersunk Head Self-drilling Tapping Screw (GB/T 15856. 2)</div> <div>Mark example: self-drilling tapping screw GB/T15856 ST4. 2X25</div> <div><table><tr><td>d</td></tr><tr><td>ST4.2</td></tr><tr><td>ST4.8</td></tr><tr><td>ST5.5</td></tr></table></div>	d	ST4.2	ST4.8	ST5.5
d					
ST4.2					
ST4.8					
ST5.5					

Common Fasteners  
Matching Table

Glass Clamp Fastener

Hexagon Sockets Head 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 M8X16

d
M8

Glass Clamp Fastener

Hexagon Thin Nut ( GB/T 6172. 1 )

Mark example: Nut GB/T 6172. 1 M8

d
M8

Cone Cap Expansion Bolt (GB/T 70. 2)

Screw Nominal Length L: 10、12、16、20、25、30  
Mark example: screw GB/T 70. 2 M6X12

d
M6

Note : M6X12 screw is the standard match for handrail connector series.

Handrail Connector Fastener

Handrail Connector Fastener

Handrail Connector Fastener

Common Fasteners  
Matching Table

Column Base Plate Fastener

Cone Cap Expansion Bolt (GB/T 22795)

Mark example: expansion bolt GB/T 22795 M8X50-ZM

d
M6
M8
M10
M12

Column Base Plate Fastener

Sleeving Expansion Bolt (GB/T 22795)

Mark example: expansion bolt GB/T 22795 M8X50-TGQ

d
M6
M8
M10
M12

Column Base Plate Fastener

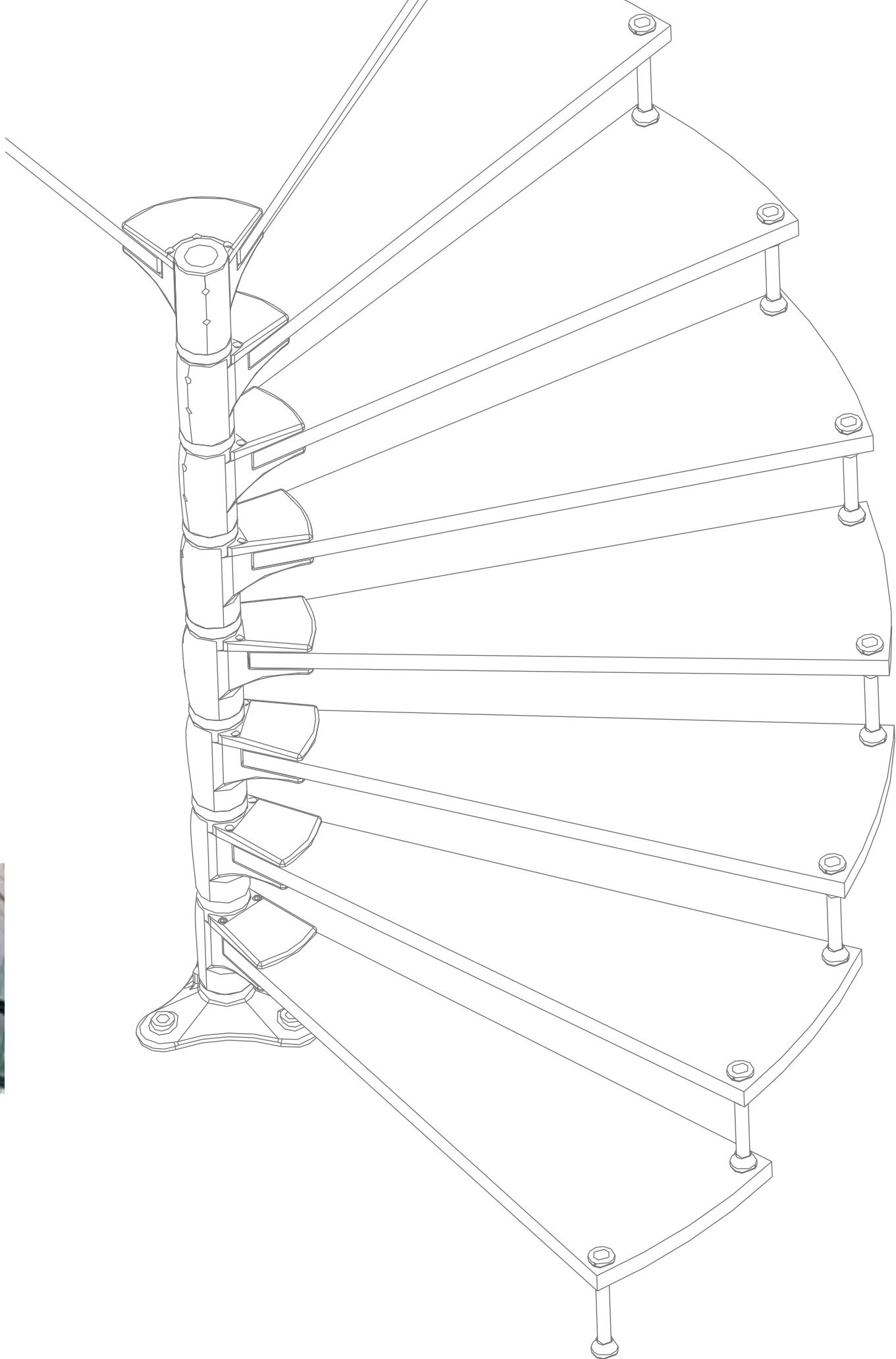
Cylinder Head Expansion Bolt

Mark example: expansion bolt M8X50-ZM

d
M6
M8
M10
M12



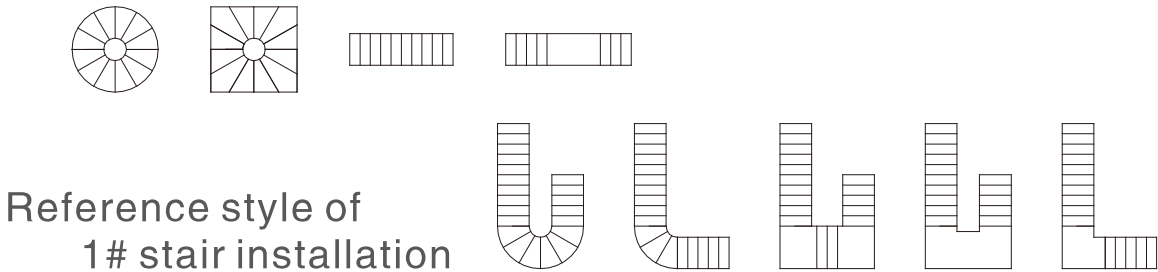
**Assemble Staircase  
Series**







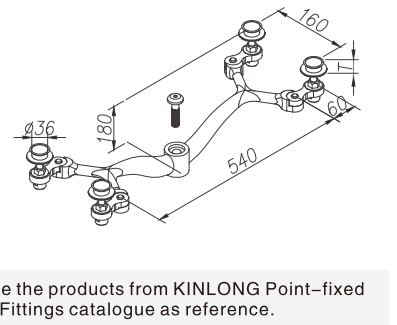
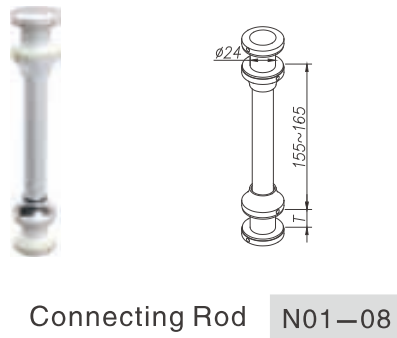
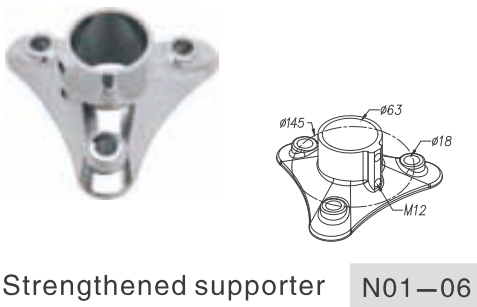
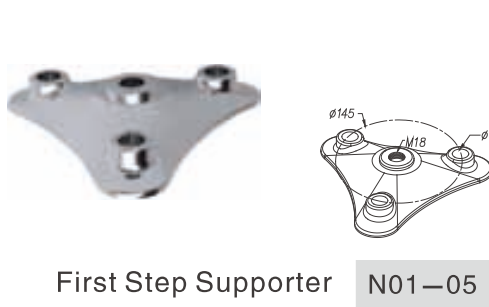
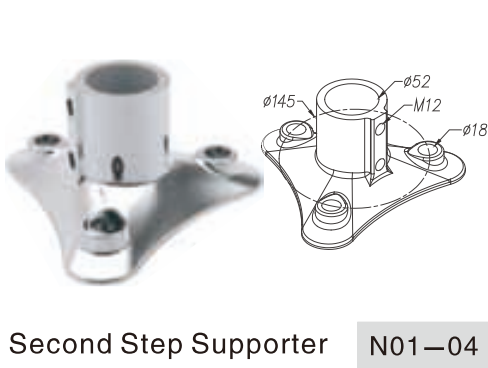
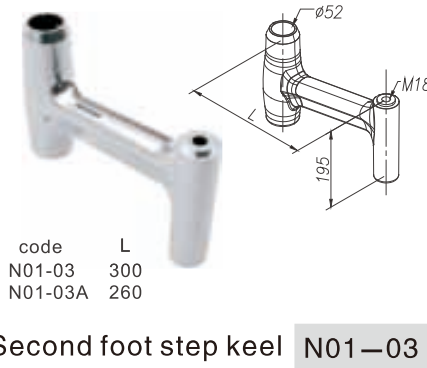
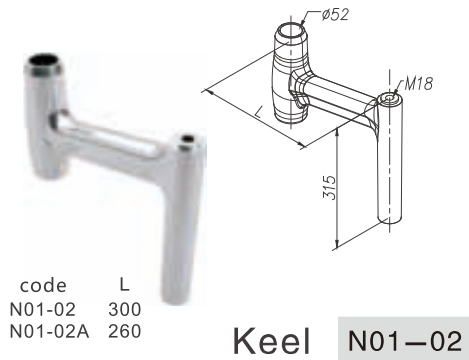
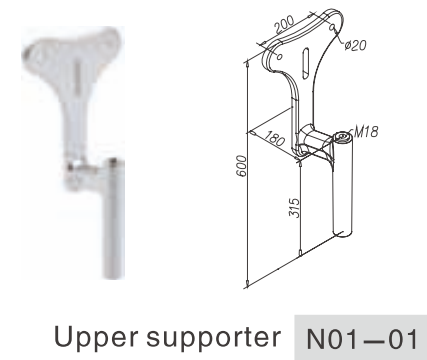
Note:Adjacent steps must be connected with connecting rod.



					Keel	N01—02	8	
		Connecting Rod	N01—08	4	Strengthened supporter cap	N01—07	9	
		Second foot step keel	N01—03	5	Supporting Tube		10	
First Step Supporter	N01—05	1	Second Step Supporter	N01—04	6	Strengthened supporter	N01—06	11
First StepSupporter	N01—11	2	Step Supporter	N01—09	7	Wall Supporter	N01—10	12
Glass Step		3	Keel	N01—02	8	Upper supporter	N01—01	13

Assemble Staircase Series

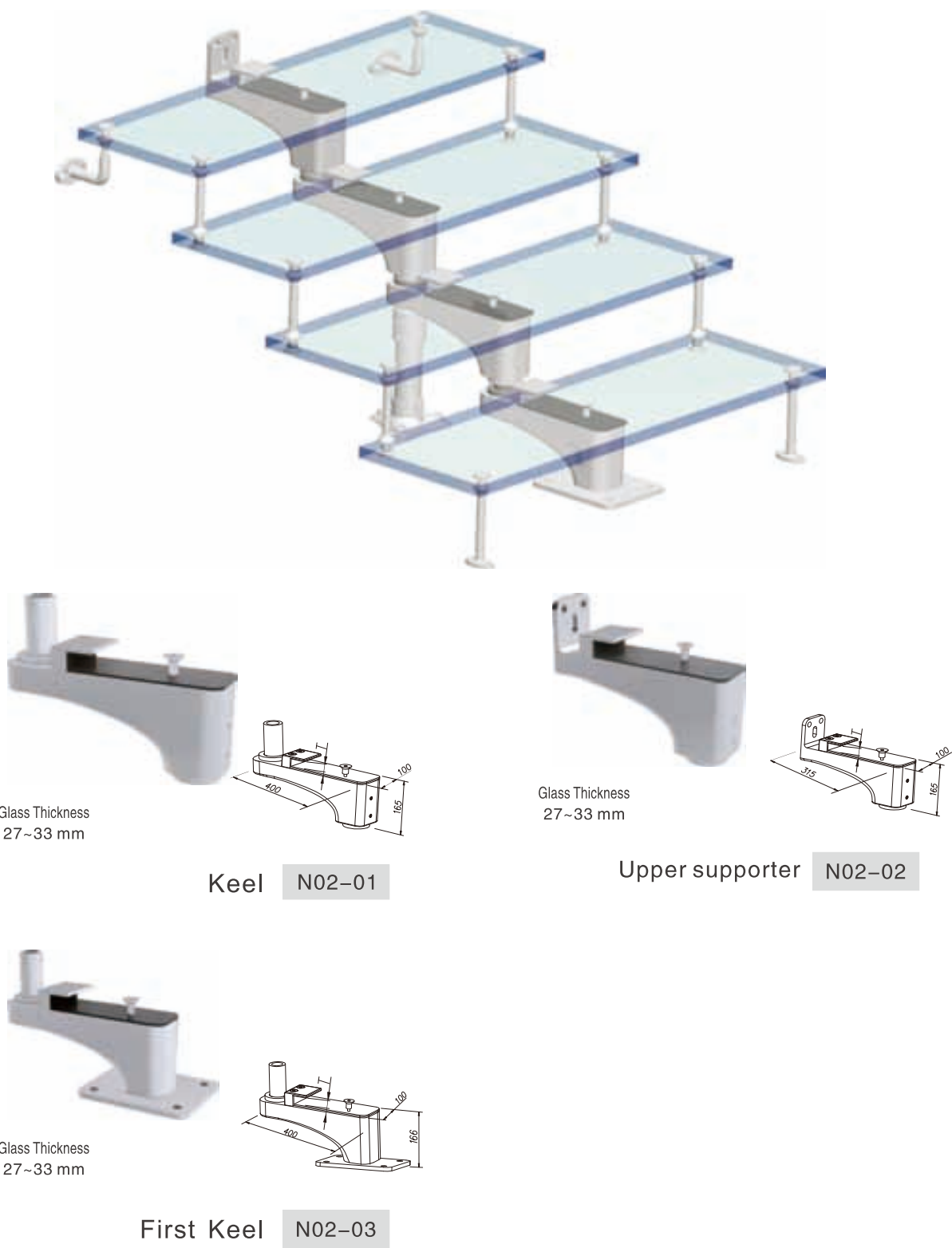
Staircase 1#



NOTE: Please take the products from KINLONG Point-fixed Glasswall Fittings catalogue as reference.

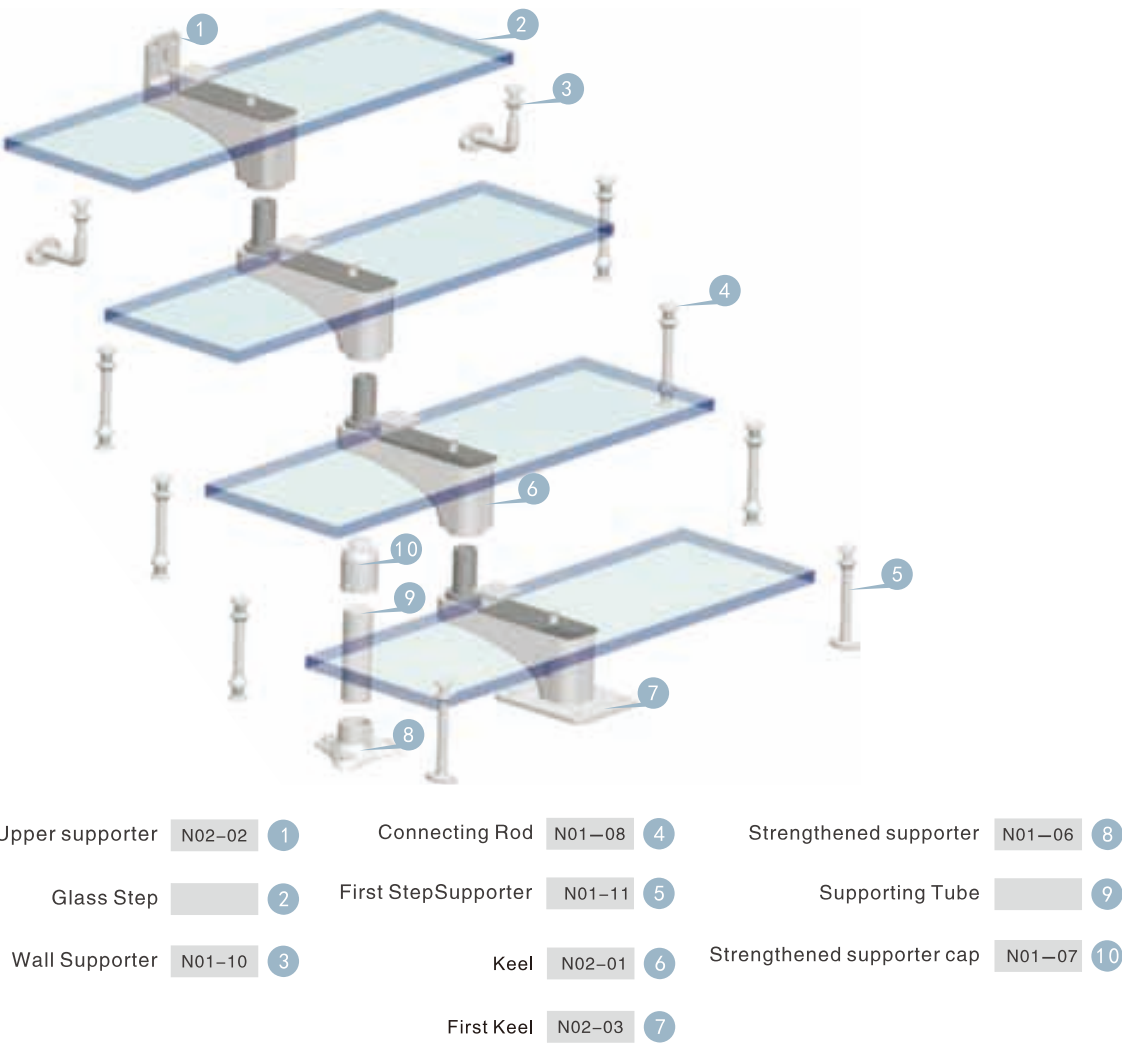
Assemble Staircase Series

Staircase 2#

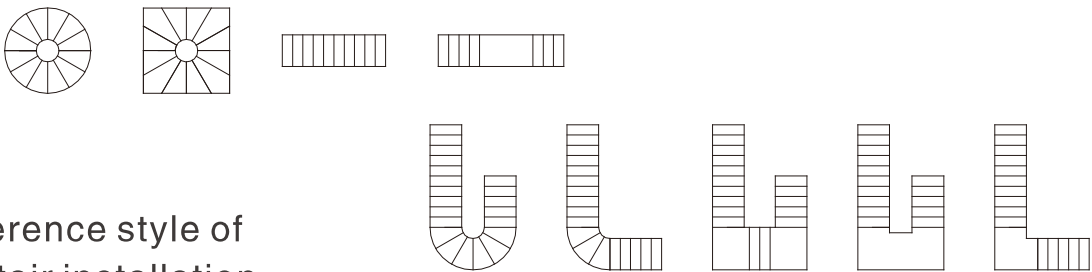


Assemble Staircase Series

Staircase 2#



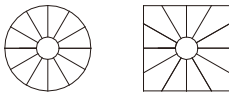
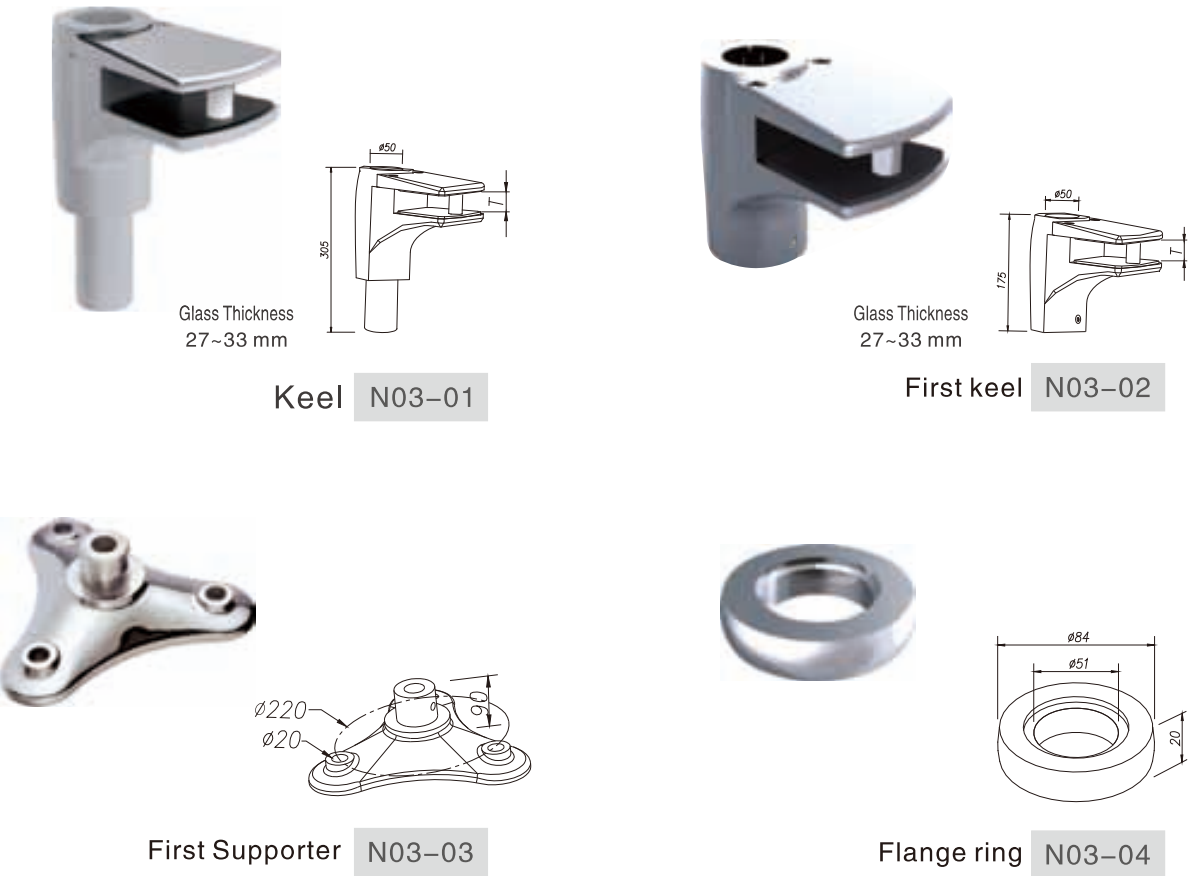
Reference style of 2# stair installation





Assemble Staircase Series

Staircase 3#



Reference style of 3# stair installation

Assemble Staircase Series

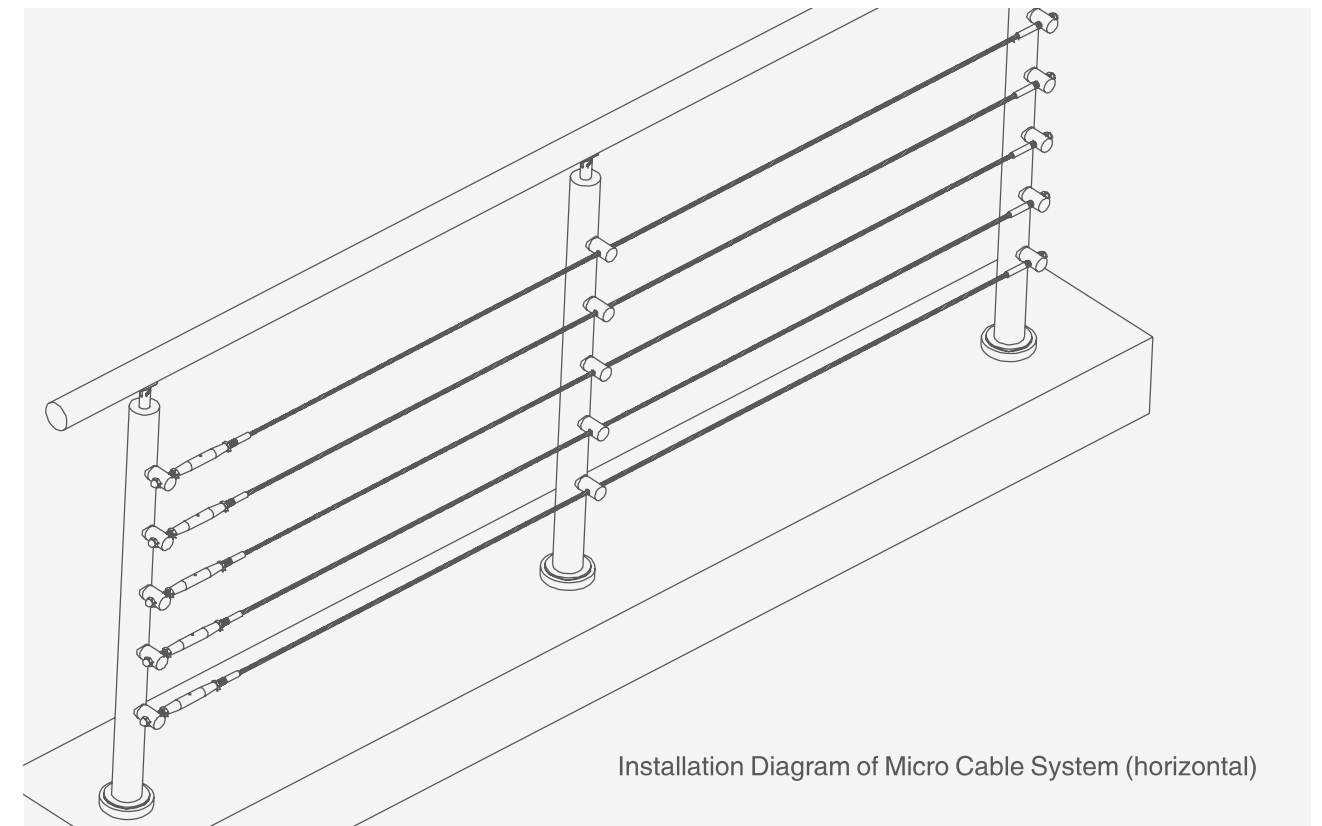
Staircase 3#



Note:Adjacent steps must be connected with connecting rod.

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

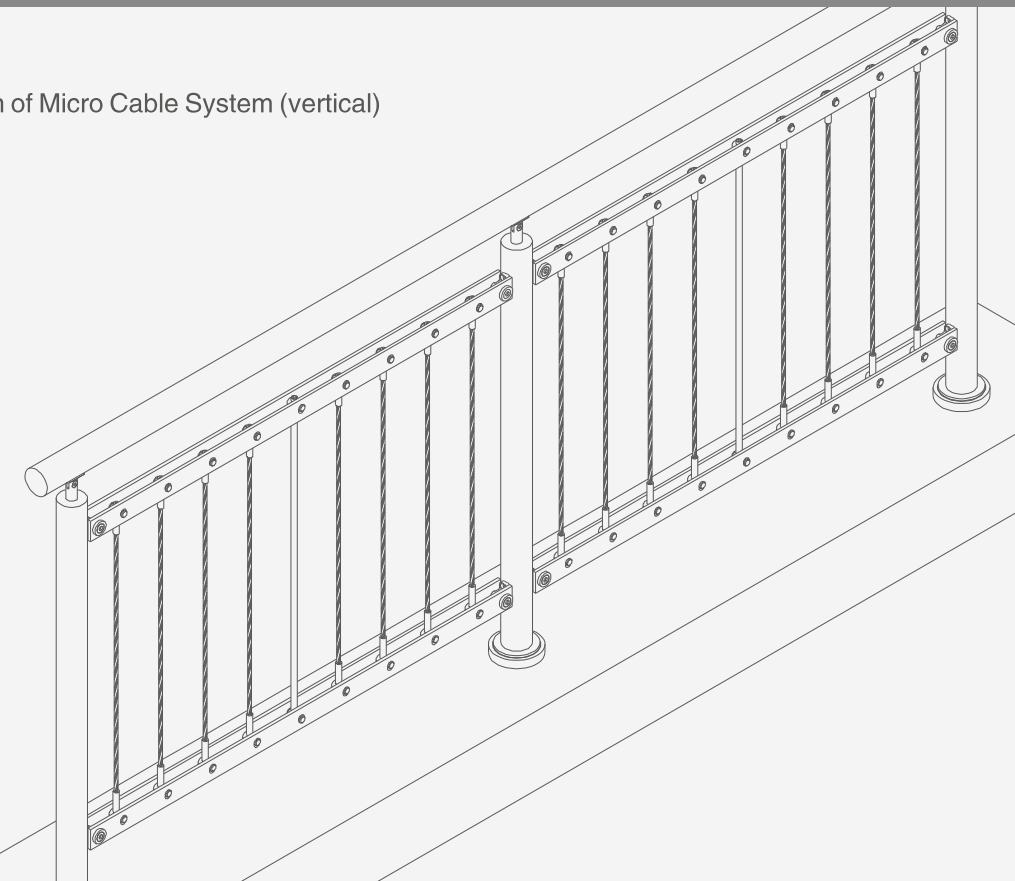
## Cable-strut accessories



Installation Diagram of Micro Cable System (horizontal)


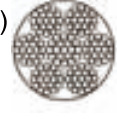
Horizontal cable system is good for staircase and slop ,however, for children's safety, we don't suggest this on platform.

Installation Diagram of Micro Cable System (vertical)

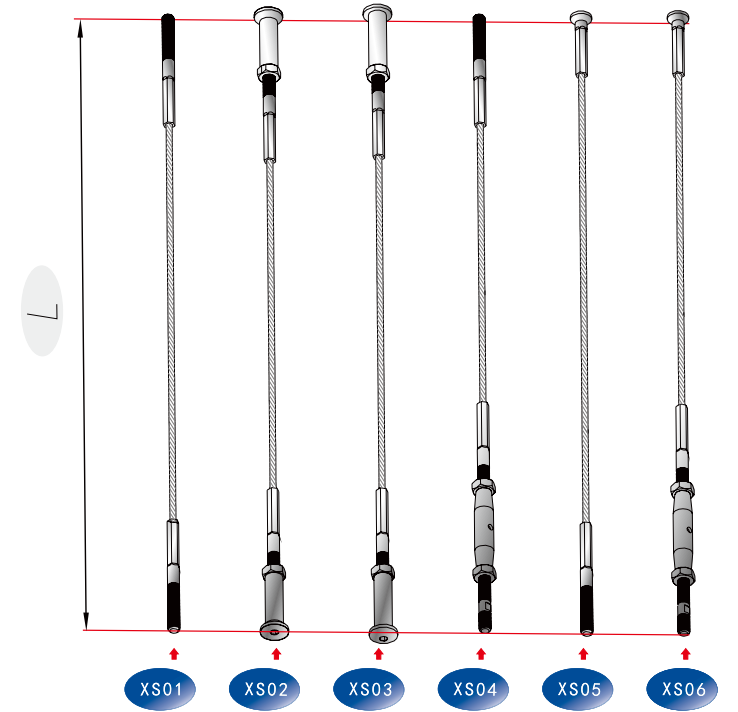




Mechanical Performance of Stainless Steel wire rope

Structure	Nominal Diameter(mm)	Minimum Breaking Tension(kN)	Reference Weight (kg / 100m)
$6 \times 7 + 1WS$ $(7 \times 7)$ 	$\phi 3.0$	6.37	3.70
	$\phi 4.0$	9.51	6.50
	$\phi 5.0$	14.7	10.5
	$\phi 6.0$	18.6	15.1
$6 \times 19 + 1WS$ $(7 \times 19)$ 	$\phi 4.0$	10.7	6.7
	$\phi 5.0$	17.4	10.5
	$\phi 6.0$	23.5	14.9

Note: Above content quoted from GB/T 9944–2002 Stainless Steel Wire Ropes



Drawing for assenbling of micro cable.

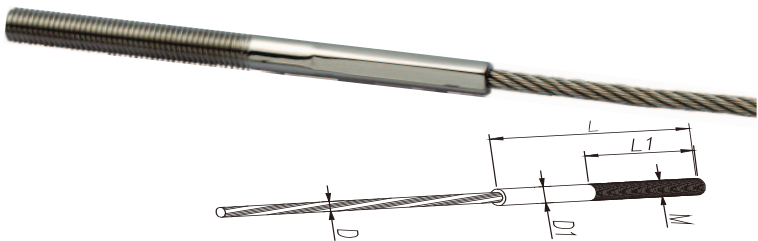


Cable- strut accessories

Anchor

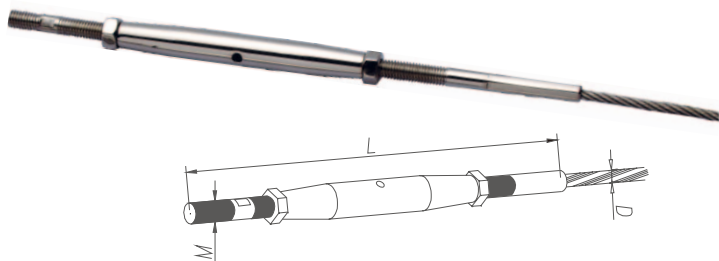
A-W

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



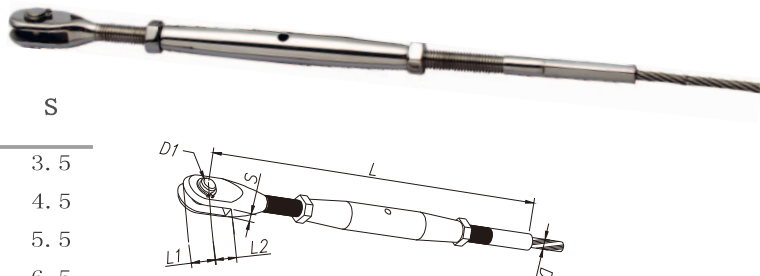
A01-W Adjustable Anchor

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



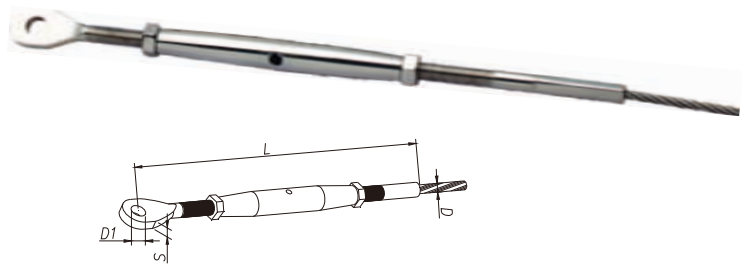
A05-W Adjustable Anchor

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



A07-W Adjustable Anchor

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

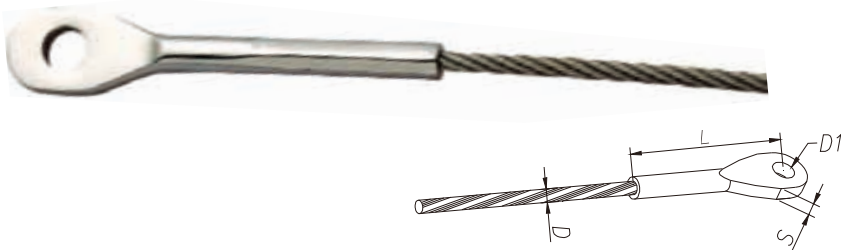


Cable- strut accessories

Anchor

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



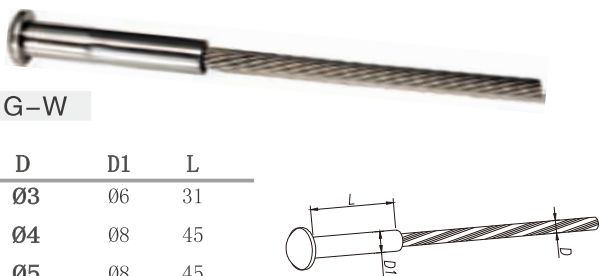
B02-W

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



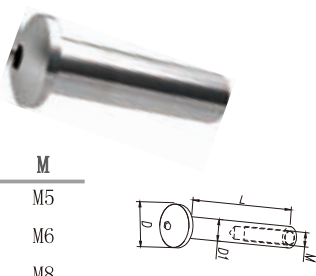
G-W

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



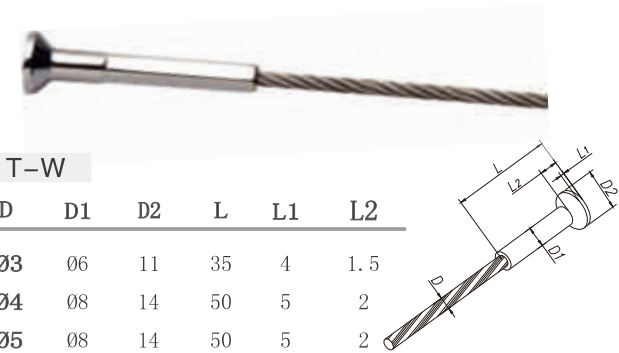
LJ-6

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



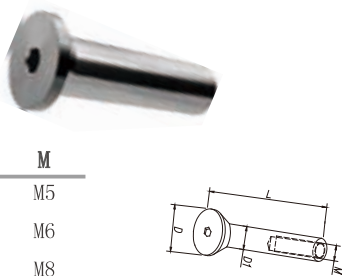
T-W

D	D1	D2	L	L1	L2
Ø3	Ø6	11	35	4	1.5
Ø4	Ø8	14	50	5	2
Ø5	Ø8	14	50	5	2
Ø6	Ø10	17	60	6	2.5



LJ-7

D	D1	L	M
Ø12	Ø7	35	M5
Ø14	Ø8	40	M6
Ø17	Ø10	50	M8
Ø23	Ø15	56	M10

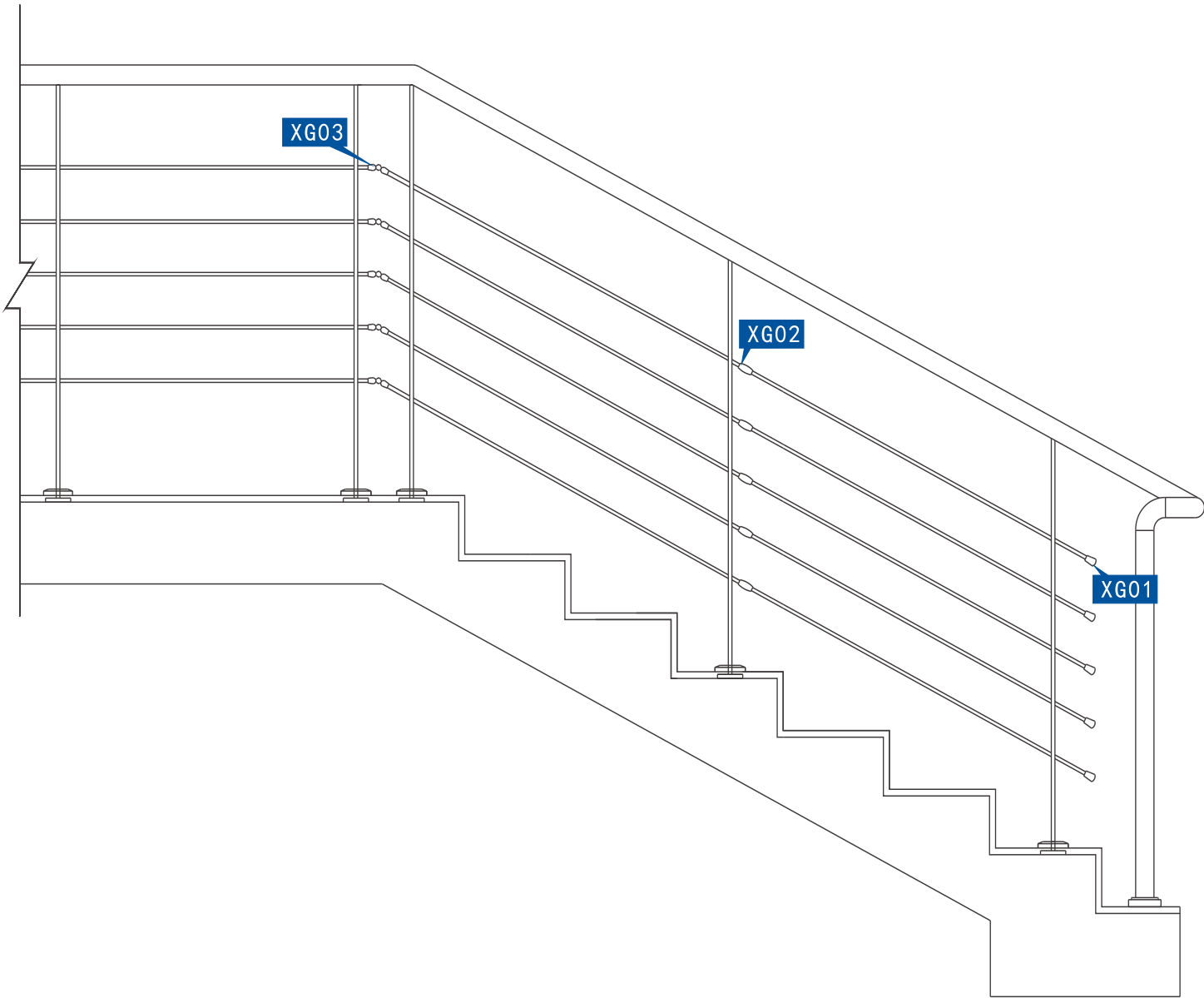


Cable- strut accessories

Bar accessories



Cable- strut accessories









## Canopy Beam

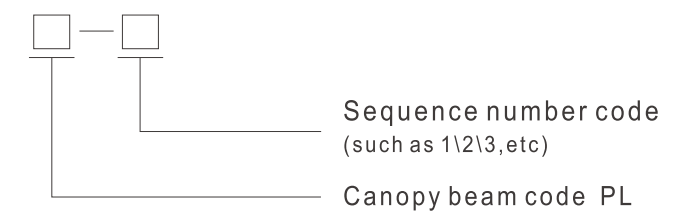


## Canopy Beam

### I ClassificationCode:

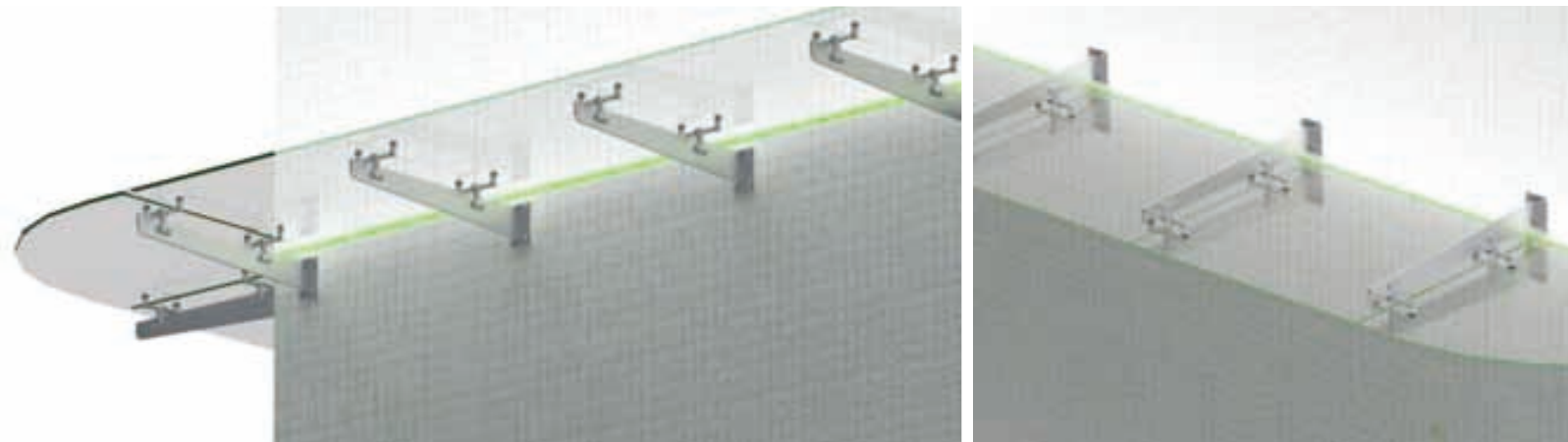
- 1、 Canopy beam structure classification
  - a ) Pillar System ,Code is PL.

### II Principle of code



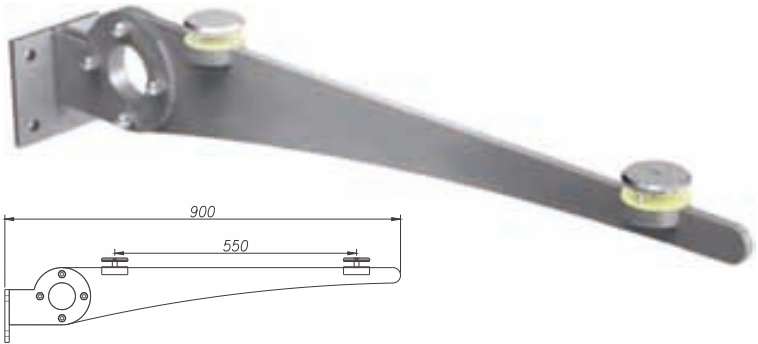
For example:code PL1 means No.1 canopy beam.

If character note: when no specific parameter( actual canopy beam ), please adopt our standard dimension

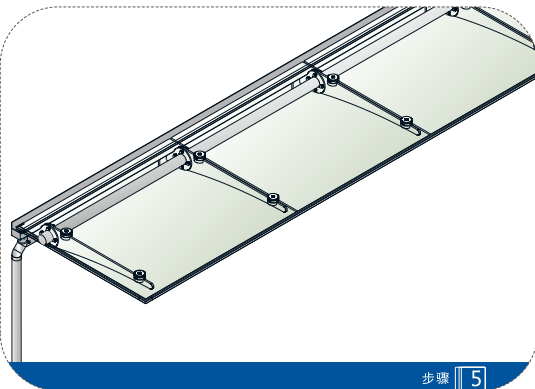
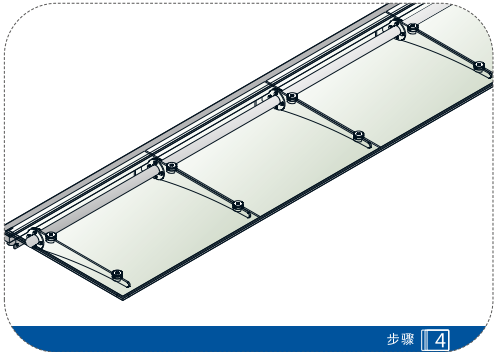
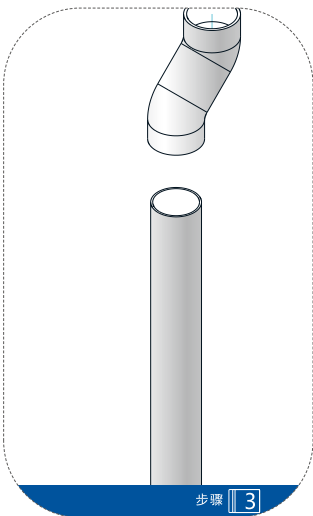
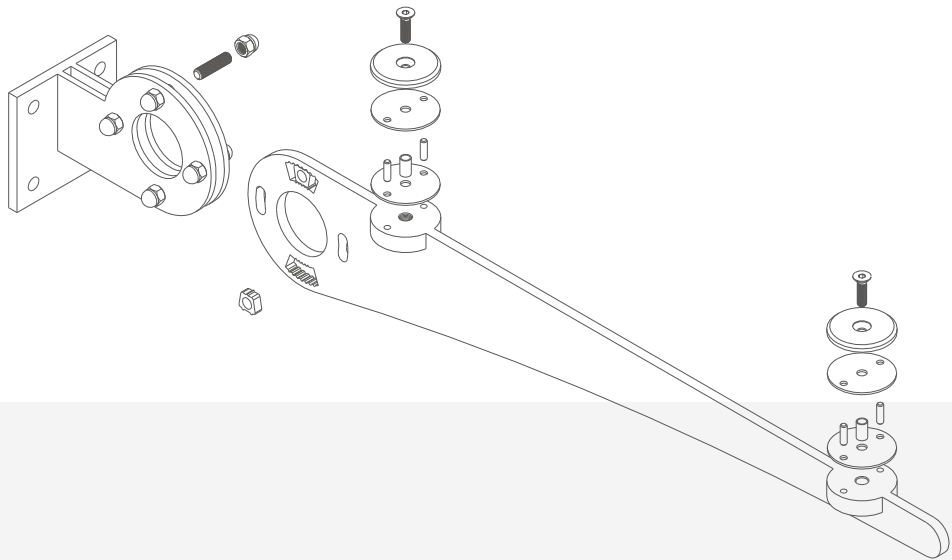
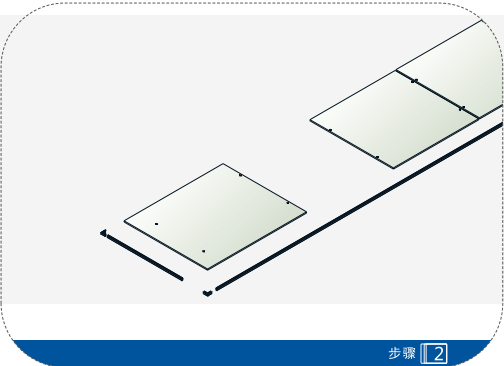
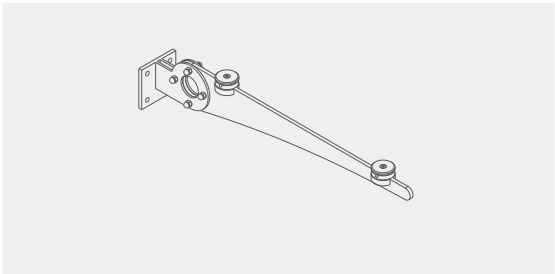
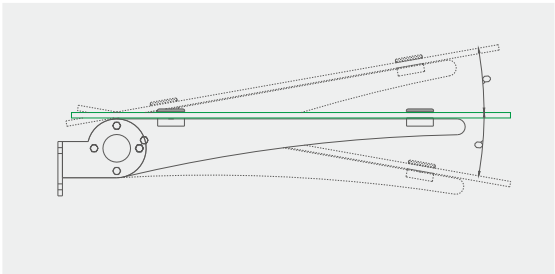


Canopy Beam

PL1 Canopy Beam



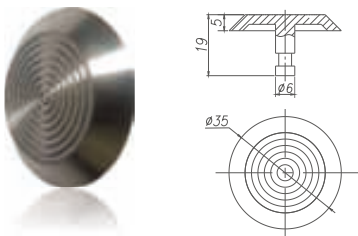
Material:304/316L  
Surface Finish:Satin



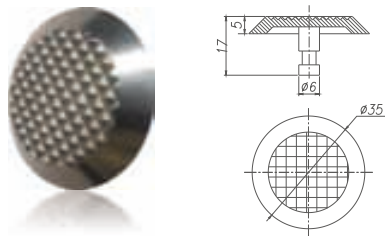
Canopy Beam

Metro products

DTD01 Blind nail

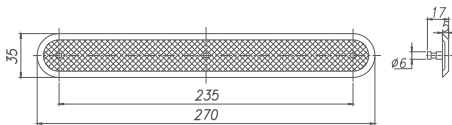


DTD02 Blind nail

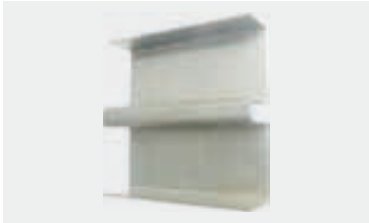


Material:CF8/CF8M  
Surface Finish:Satin

DTT01 Tactile Bar



Sheet Metal Processing



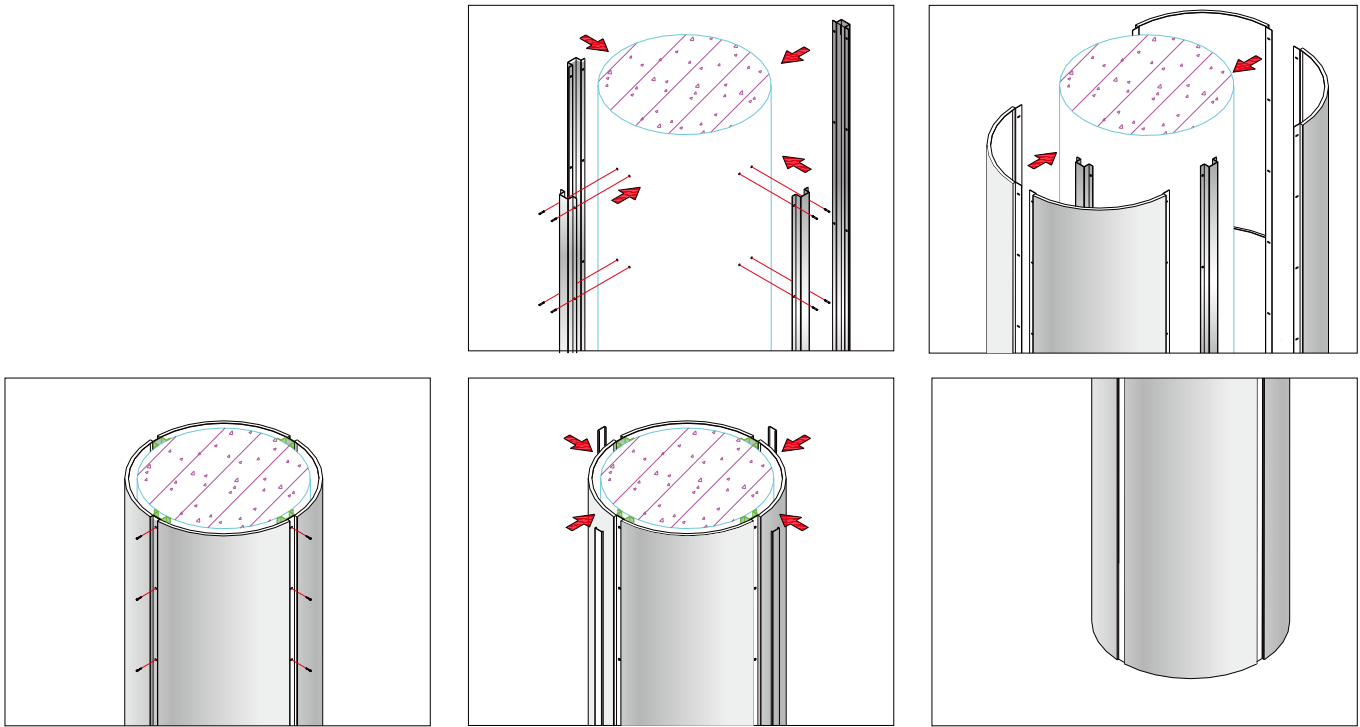
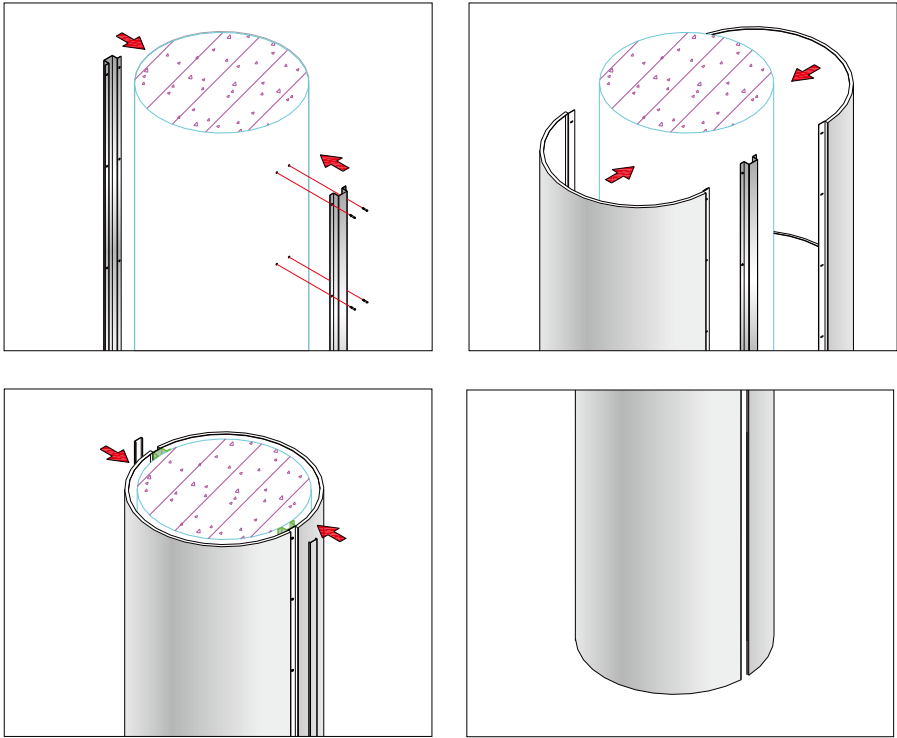


Engineering

Stainless Steel Present

Thickness : 1.2/1.5/2.0/2.5mm  
Material : 304/316L  
Surface treatment : Mirror Or Satin

**Note :**  
Sheet metal unfolding size is no more than 1500mm and the length of the size is no more than 3000mm;All products should be customized according to the project require.



Engineering

Stainless Steel Present

