



**NEWHUABAO (Hardware) Industrial Co., Ltd.**

**E-PAI Metal products Co.Ltd.**

**EPAINOX Technology (GD) Manufactures Co., Ltd.**

Factory Add: Workshop in Building 6A, Yuehai Intelligent Manufacturing Industrial Park, West Industrial Avenue, Songxia Industrial Zone, Nanhai District, Foshan City, Guangdong, China

- E-PAI Stainless Steel Pipe
- E-PAI Architectural Hardware
- E-PAI Door Pull Handle
- E-PAI Locking Ladder Pulls
- E-PAI Door Handle
- E-PAI INOX Hardware

- E-PAI Bathroom Hardware
- E-PAI Safely Grab Bar
- E-PAI Glass Fitting Hardware
- E-PAI Fence Spgnot
- E-PAI Handrail
- E-PAI Stair Railing
- E-PAI Pipe Fitting Hardware

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[www.epai-hardware.com](http://www.epai-hardware.com)

Contact person: James Lam

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**Hardware.Project**

[www.epai-hardware.com](http://www.epai-hardware.com)



E-PAI keeps close paces with times regarding the development of new varieties. This manual cannot fully express all the details. The pictures and copyright of the catalogue are owned E-PAI. Without written permission, any re-photographing, plagiarizing, copy etc will be considered to be an infringement, and will be charged with law responsibility

**91**

**ARCH**

Architectural Hardware



Door Pull Handle  
Locking Ladder Pulls

SERIES  
**HANDLE  
DOOR BUTT**

Safely Grab Bar  
Bathroom Hardware

SERIES  
**BATHROOM**

SERIES  
**HANDLE LOCK**

Door Handle

SERIES  
**INOX HARDWARE**

PIPE SERIES  
**STAINLESS STEEL**

Pipe Fitting Hardware  
Stainless Steel Pipe





# 28<sup>+</sup> Years

## OF PRODUCTION EXPERIENCE

PHILOSOPHY OF EPAI——

### THE PURSUIT OF FRESH BEAUTY

# INDUSTRY LEADER

AHEAD OF ARTWARE BUILDING A DREAM WITH JOINT EFFORTS

EPAI pursues excellence,

All the products are revealed by a group of people who are pursuing the ingenuity of stainless steel building materials, professionalism, concentration, and dedication to practice the Chinese dream of achieving the world's leading stainless steel architectural materials.



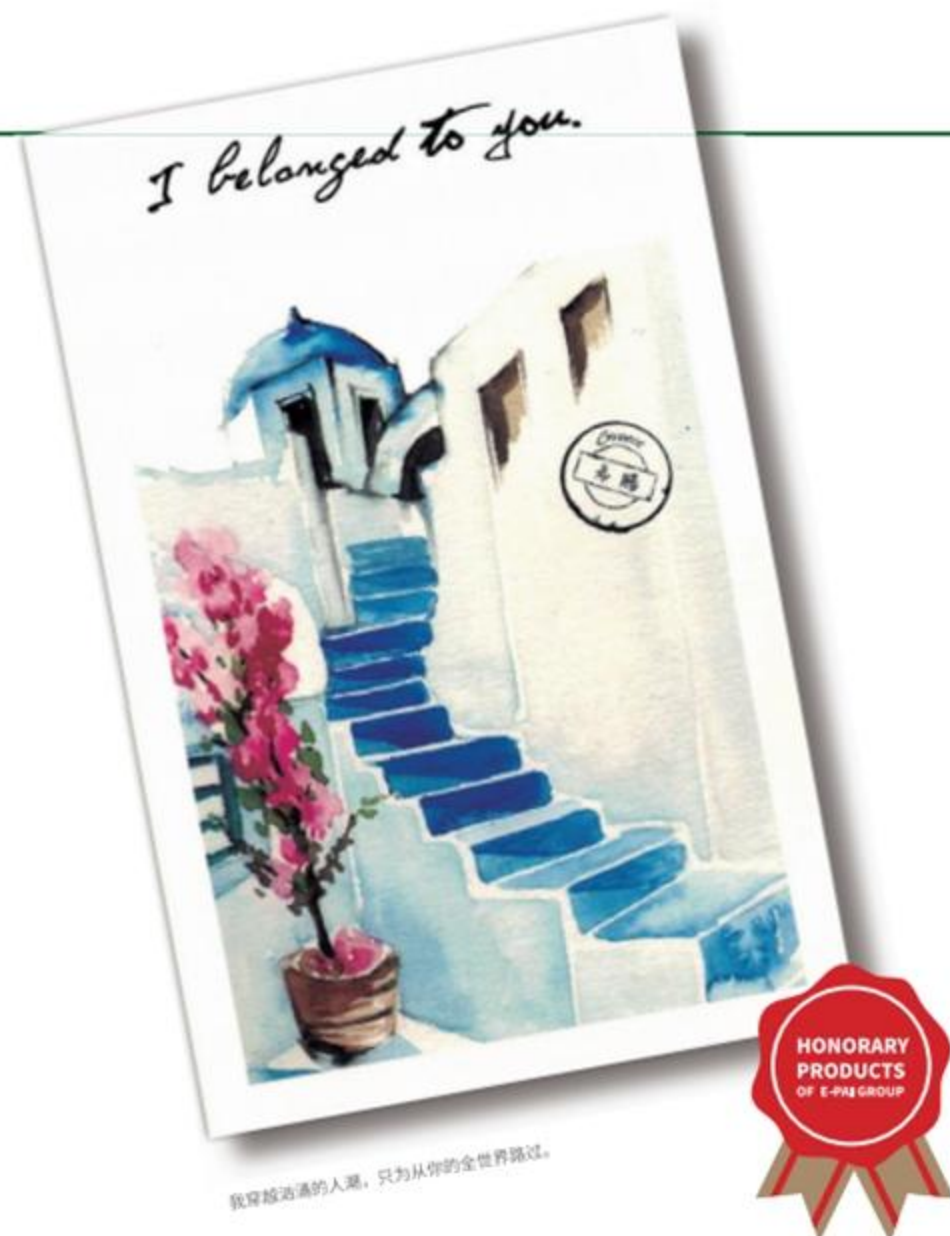


EP STAIR RAILING

Stair railing

# Stair Railing Series

楼梯扶手







**ODM&OEM**

Any kinds of  
Stainless steel fittings and pipes

# STAIR RAILING

SERIES





# FLEX GLASS HANDRAIL

The FLEX GLASS HANDRAIL series balustrades is an artistic expression, combining lines and surfaces, and is an innovative modular system. The armrests and handrails are joined together by round tubes and their respective glass panels to form a closed glass side rail. Without sacrificing safety, FLEX GLASS ensures a cleaner, more beautiful, and softer space effect by combining the glass structure of stainless steel rails. This installation eliminates the need for the soldering process, but uses different connection fittings to connect them between the components through glue and/or rivets. This guarantees quick installation (installation of the customer's house in the shortest time), perfect cleaning, and a completely satisfactory job for the customer. AISI 304 stainless steel can be used indoors, and AISI 316 stainless steel can be used in seaside or harsh environments. FLEX GLASS provides polishing or brushed options. Suitable for 8 MM thick glass.







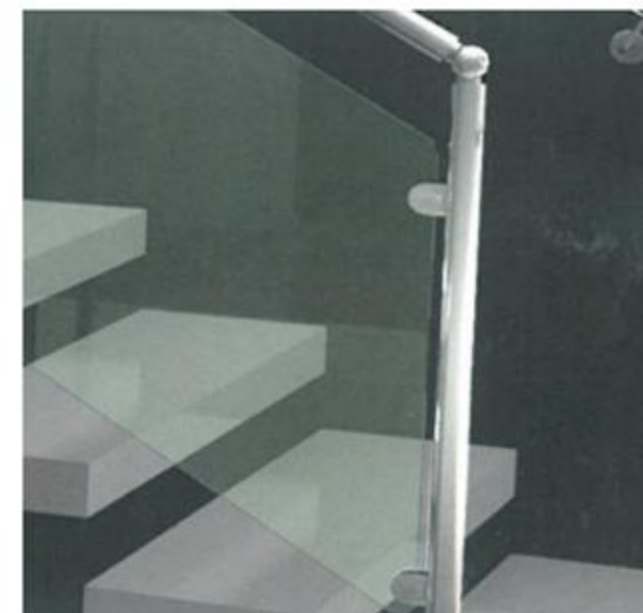
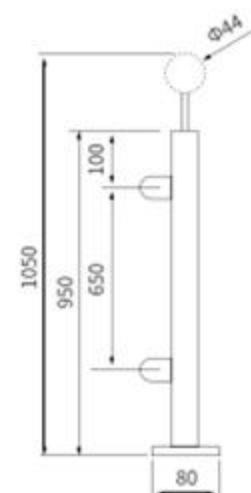
## POST TERMINAL GLASS

### AISI 304

- EP-I001IP Post terminal glass polished
- EP-I001IE Post terminal glass satin

### AISI 316

- EP-I001IP Post terminal glass polished
- EP-I001IE Post terminal glass satin



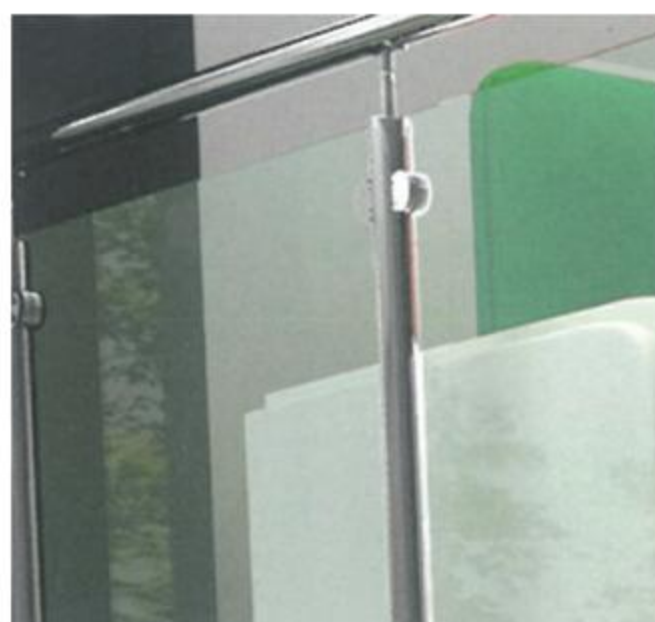
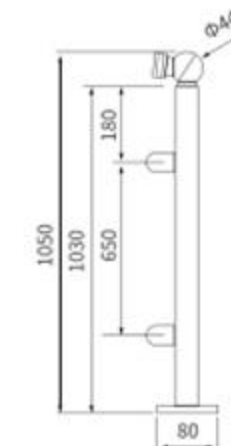
## POST WITHOUT NECK

### AISI 304

- EPC049IP Post without neck polished
- EPC049IE Post without neck satin

### AISI 316

- EPC049IP Post without neck polished
- EPC049IE Post without neck satin



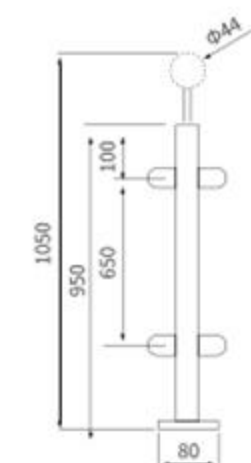
## POST MIDDLE GLASS

### AISI 304

- EP-I002IP Post middle glass polished
- EP-I002IE Post middle glass satin

### AISI 316

- EP-I002IP Post middle glass polished
- EP-I002IE Post middle glass satin



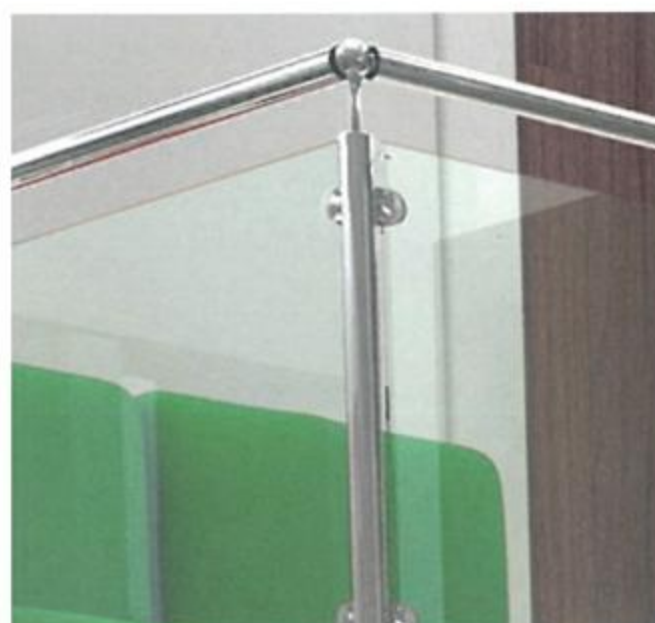
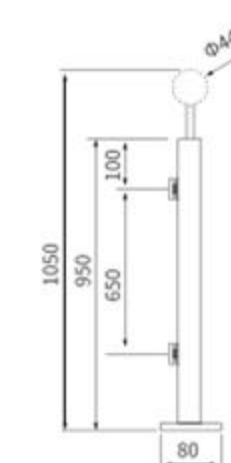
## POST GLASS FIXING DISK

### AISI 304

- EP-I250IP Post glass fixing disk polished
- EP-I250IE Post glass fixing disk satin

### AISI 316

- EP-I250IP Post glass fixing disk polished
- EP-I250IE Post glass fixing disk satin



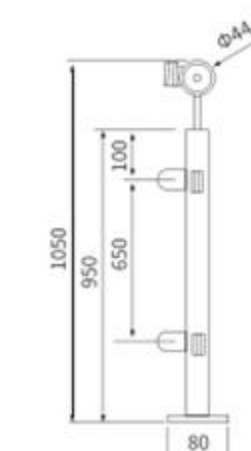
## POST CORNER GLASS

### AISI 304

- 031IP Post corner glass polished
- 031IE Post corner glass satin

### AISI 316

- 031IP Post corner glass polished
- 031IE Post corner glass satin



## POST GLASS FIXING DISK WITHOUT NECK

### AISI 304

- EP-I250IP Post glass fixing disk without neck polished
- EP-I250IE Post glass fixing disk without neck satin

### AISI 316

- EP-I250IP Post glass fixing disk without neck polished
- EP-I250IE Post glass fixing disk without neck satin







## AHEAD OF ARTWARE

New project one of the  
projects newly born  
from artware



## ODM&OEM

Any kinds of **Stainless steel fittings and pipes**

You want

High Technology And Perfect After-Sale Service Always Provided For You.

🔗 VARIOUS SPECIES

🔗 HIGH QUALITY

🔗 SECURE AND PRACTICAL





### HP950-1

#### Material

SUS 304/316 Stainless Steel

Φ	A	B	C	D
42.4x1.5	200	550	200	950
50.8x1.5				
304	316			



### HP950-4

#### Material

SUS 304/316 Stainless Steel

Φ	A	B	C	D
42.4x1.5	200	550	200	950
50.8x1.5				
304	316			



### HP950-2

#### Material

SUS 304/316 Stainless Steel

Φ	B	H
50.8x1.5	80	950
304	316	



### HP950-5

#### Material

SUS 304/316 Stainless Steel

Φ	A	B	C	D
42.4x1.5	200	550	200	950
50.8x1.5				
304	316			



### HP950-3 Post Corner Glass

#### Material

SUS 304/316 Stainless Steel

Φ	B	H
50.8x1.5	80	950
304	316	



### HP1100-1 Side Mounting

#### Material

SUS 304/316 Stainless Steel

Φ	A	B	C	D
42.4x1.5	200	550	350	1100
50.8x1.5				
304	316			



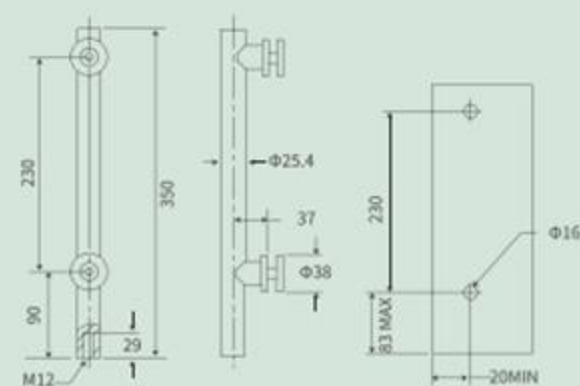




### HP-350-1

Material	Thickness
SUS 304 Stainless Steel	10-12mm Tempered glass

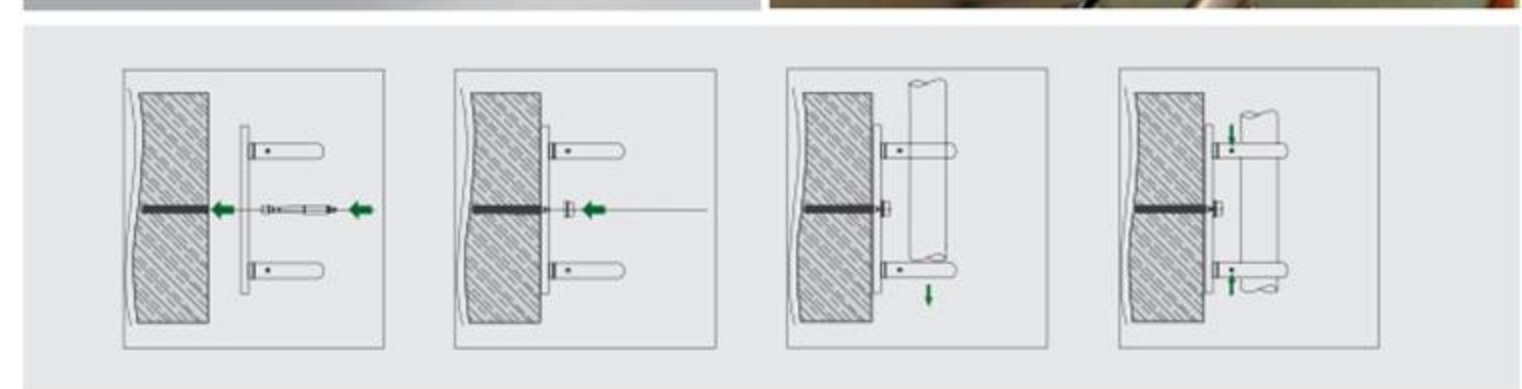
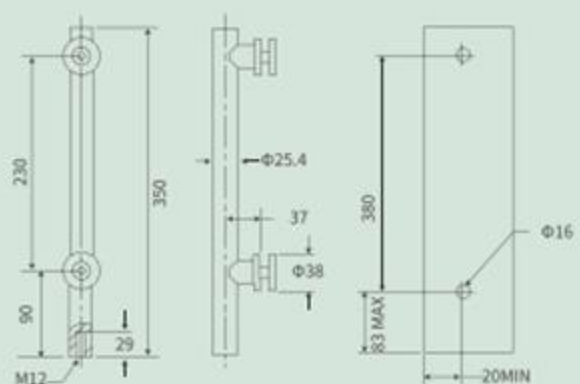
304



### HP-350-2

Material	Thickness
SUS 304 Stainless Steel	10-12mm Tempered glass

304



### HBP-01

Material	Size
SUS 304 Stainless Steel	Φ51 / Φ42.4 / Φ38mm

304



### HBP-02

Material	Size
SUS 304 Stainless Steel	Φ51 / Φ42.4 / Φ38mm

304



### HBP-03

Material	Size
SUS 304 Stainless Steel	Φ51 / Φ38mm

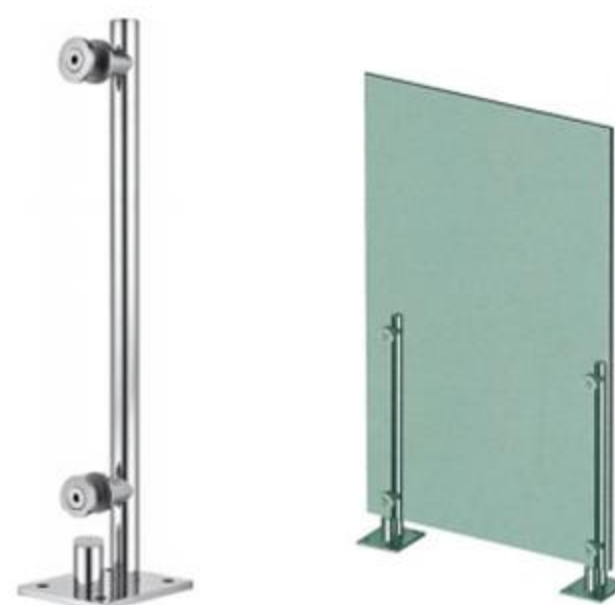
304



### HBP-04

Material	Size
SUS 304 Stainless Steel	8 / 10 / 12mm

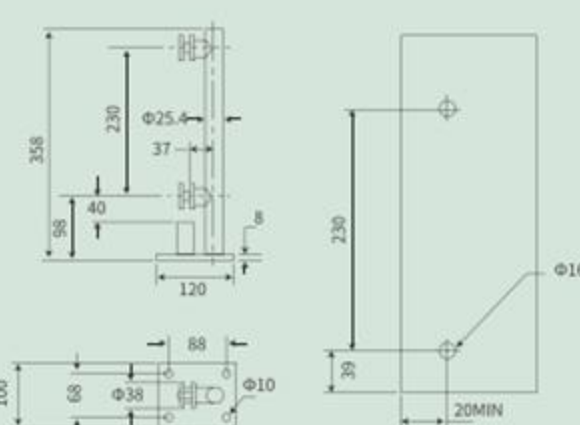
304



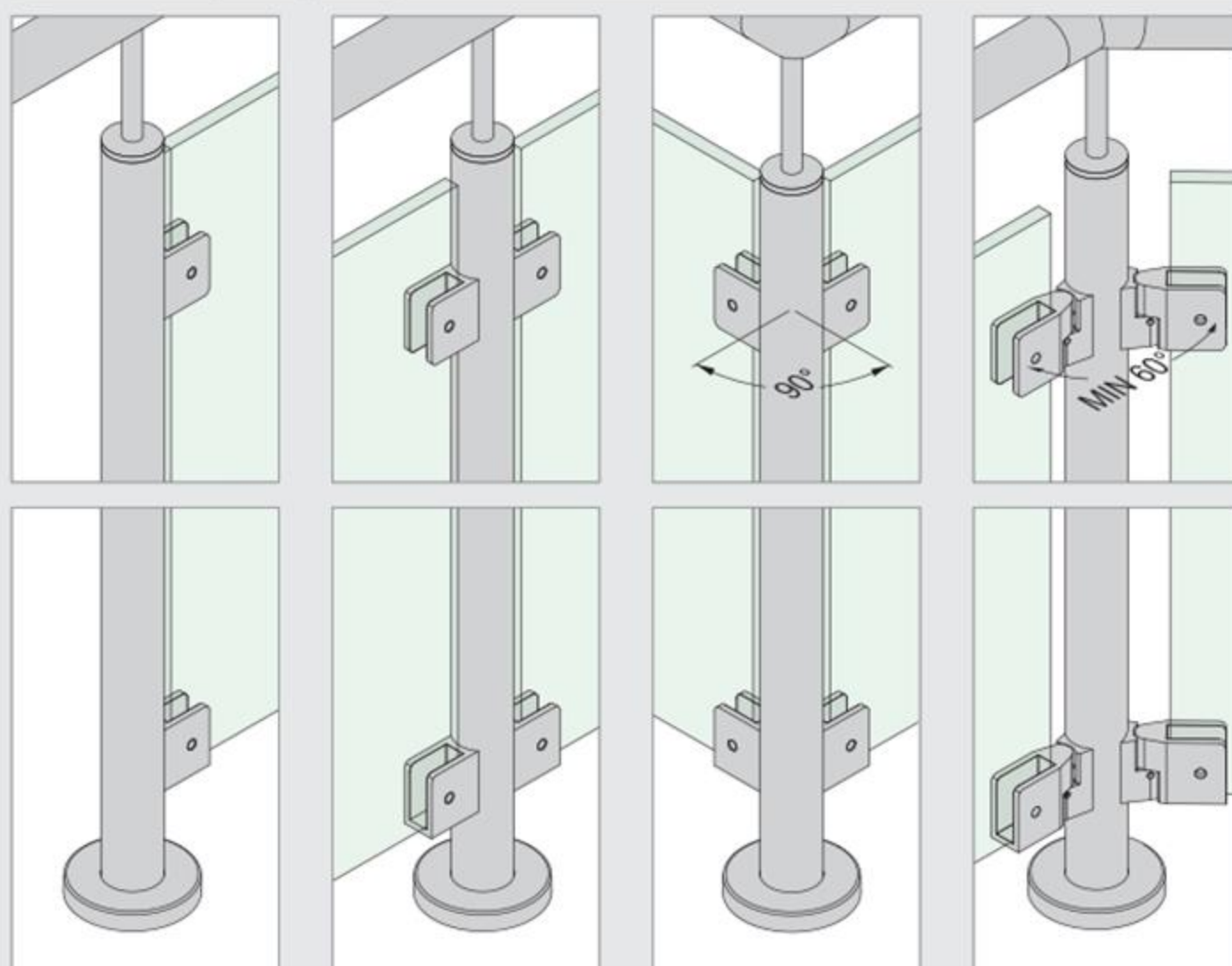
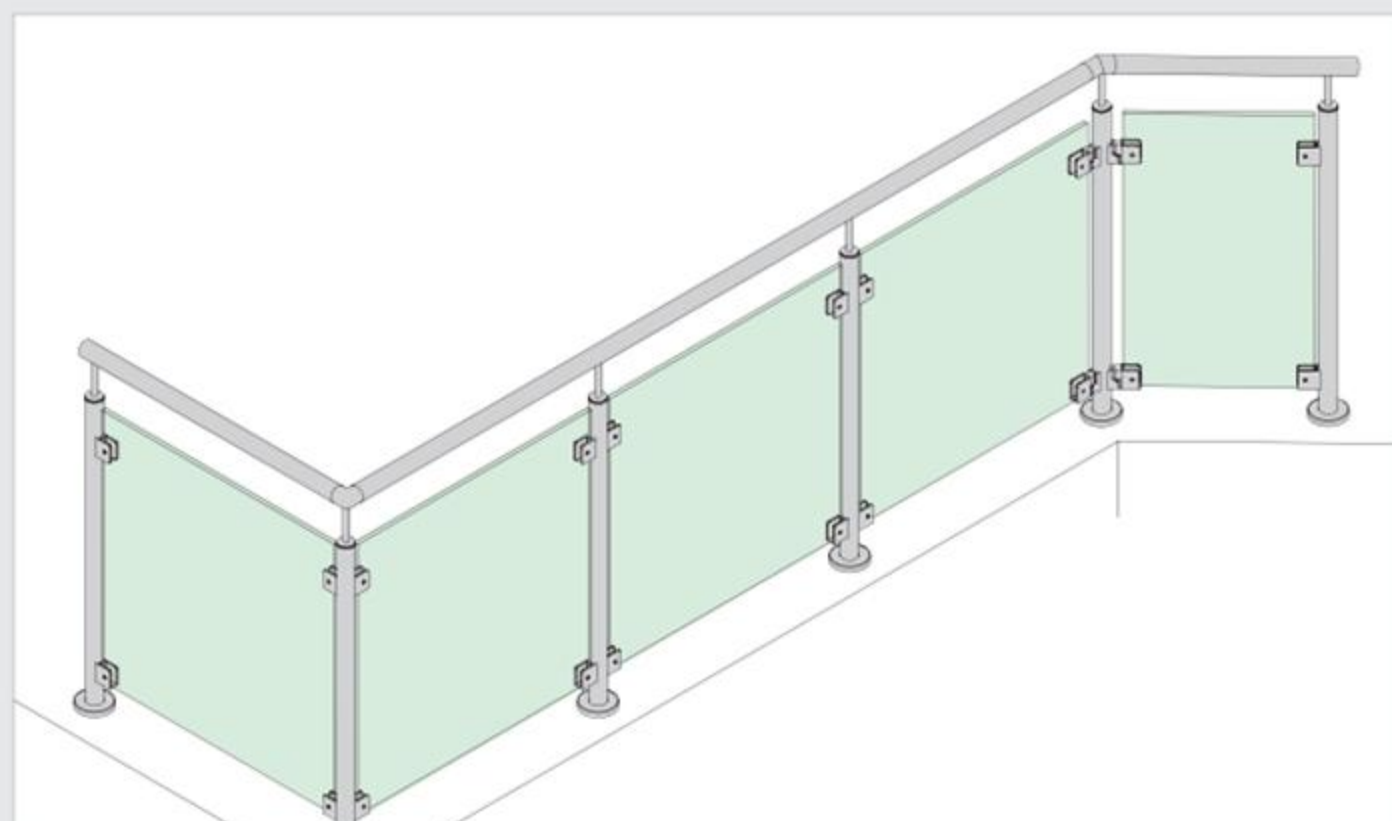
### HP358-1

Material	Thickness
SUS 304 Stainless Steel	10-12mm Tempered glass

304







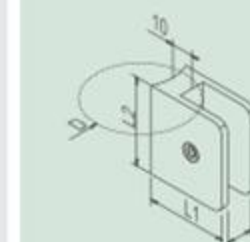
### GPR-3540-01

#### Material

SUS 304 Stainless Steel

D	D	D	D
35	40	8-11	42.4/48.3/50.8

304 316



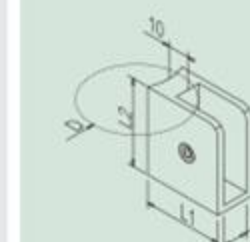
### GPR-3540-02

#### Material

SUS 304 Stainless Steel

D	D	D	D
35	40	8-11	42.4/48.3/50.8
45	50	10-13.5	42.4/48.3/50.8

304 316



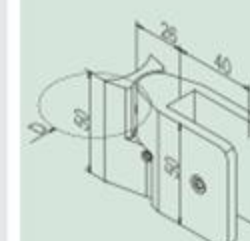
### GPR-3540-03

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



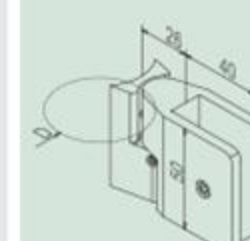
### GPR-3540-04

#### Material

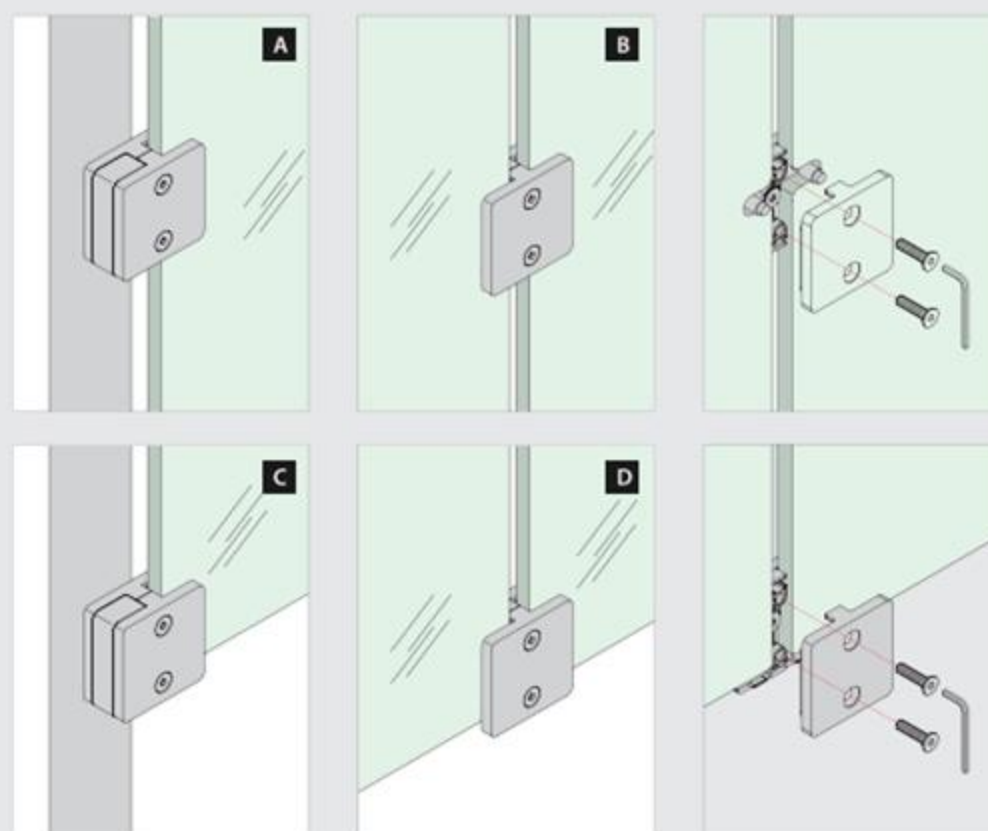
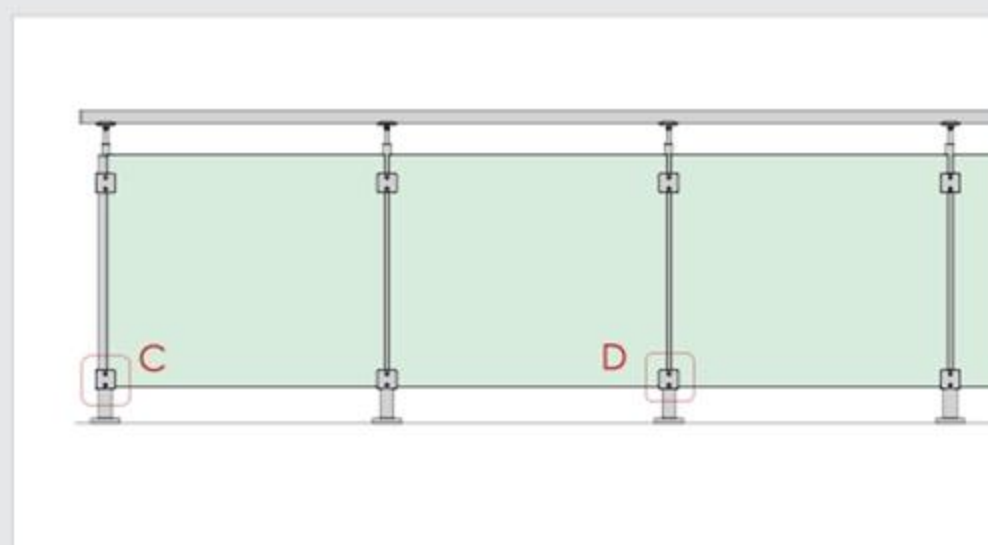
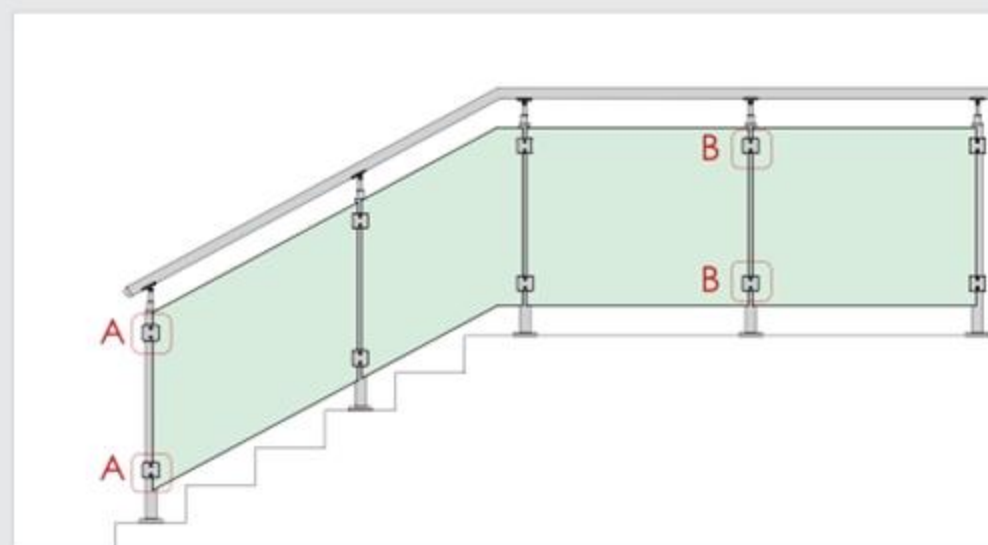
SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316







### GPDOUBLE-6060-01

Material	
SUS 304 Stainless Steel	
G	D
10-13.5	42.4
	48.3
	50.8
304	316



### GPDOUBLE-6060-02

Material	
SUS 304 Stainless Steel	
G	D
10-13.5	42.4
	48.3
	50.8
304	316



### GPSINGLE-6060-01

Material	
SUS 304 Stainless Steel	
G	D
10-13.5	42.4
	48.3
	50.8
304	316

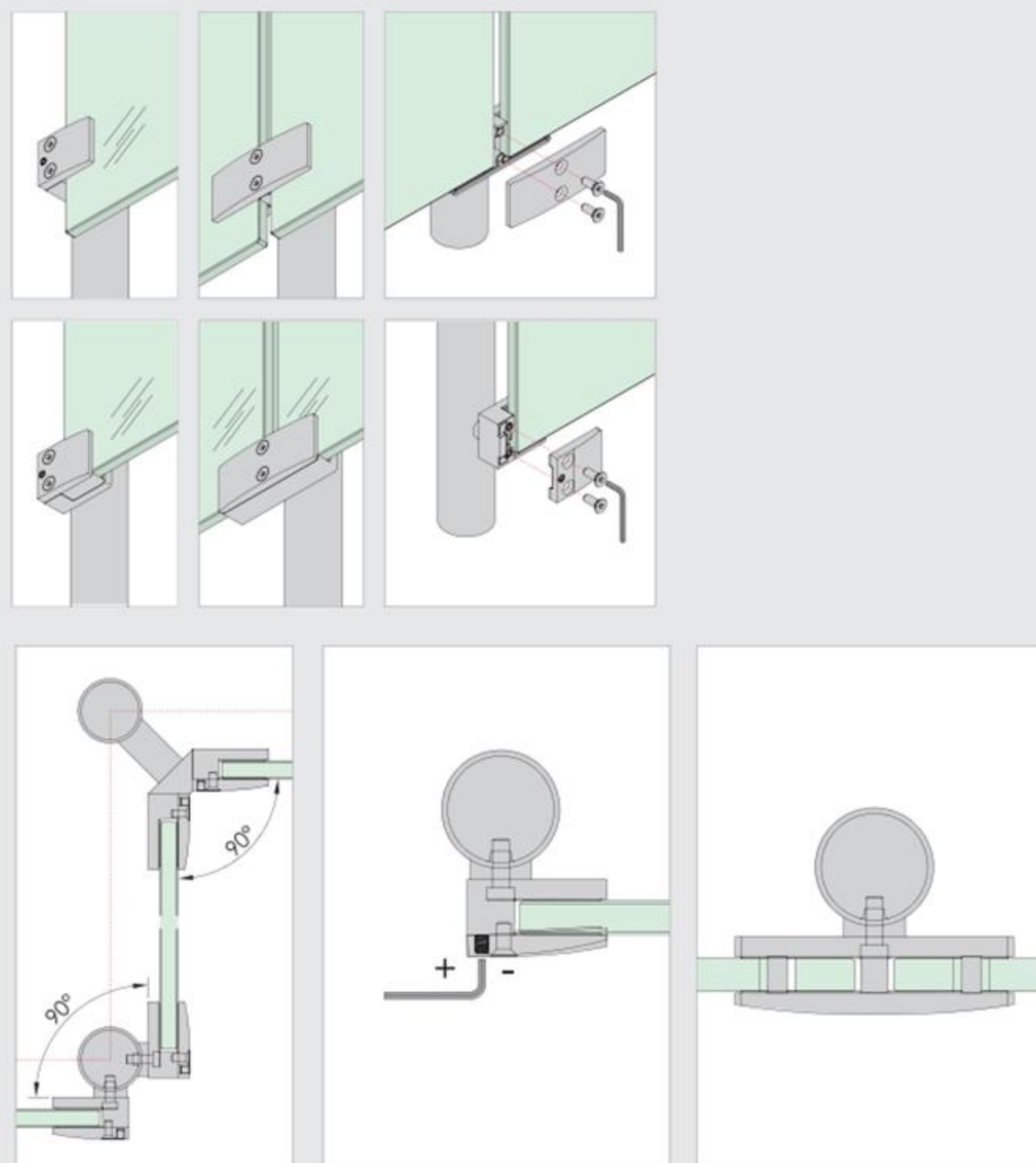


### GPSINGLE-6060-02

Material	
SUS 304 Stainless Steel	
G	D
10-13.5	42.4
	48.3
	50.8
304	316







### GPSINGLE-4050-01

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



### GPSINGLE-4050-02

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



### GPDOUBLE-40100-01

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



### GPDOUBLE-40100-02

#### Material

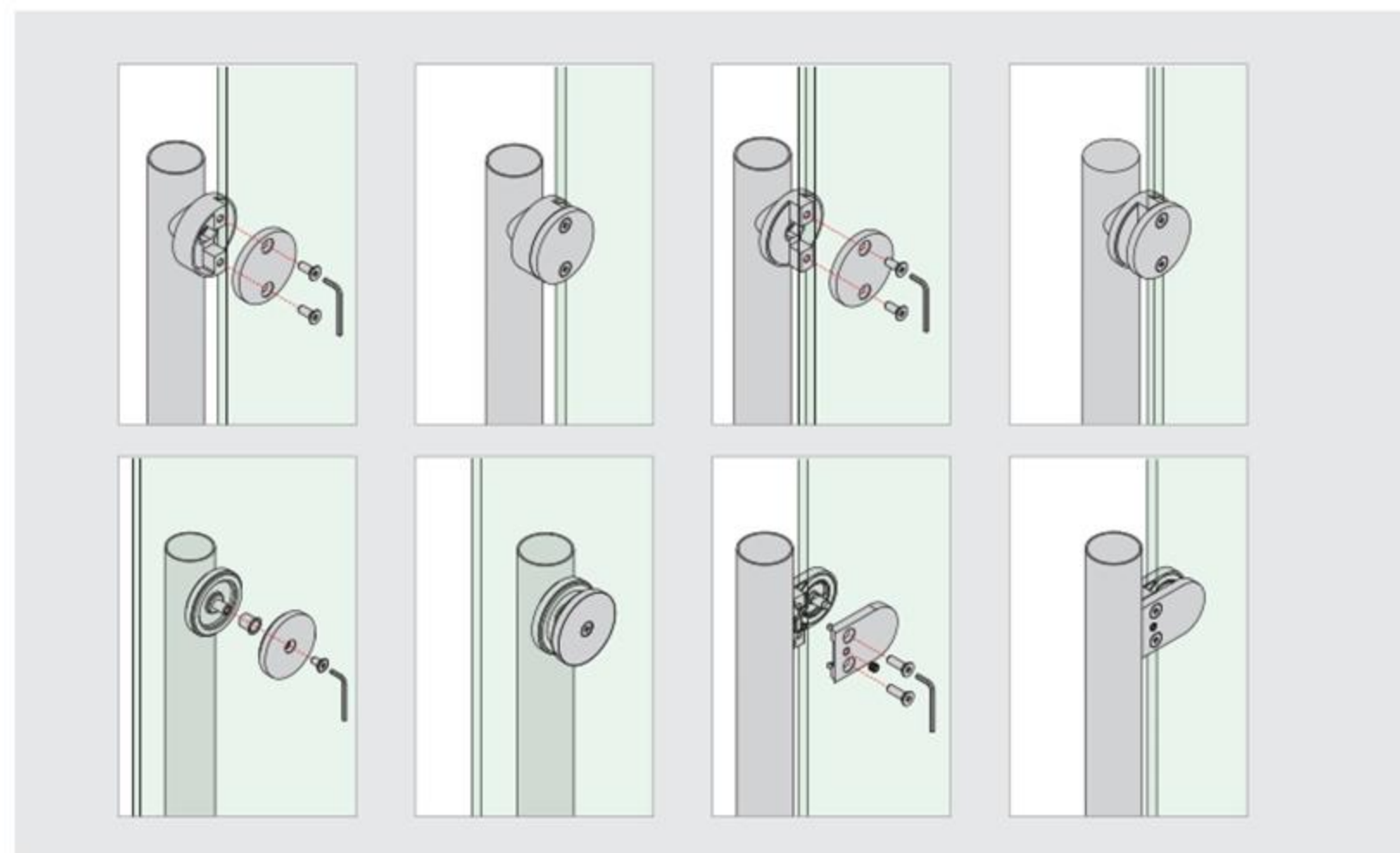
SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316







### GPR-DOUBLE-60-01

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



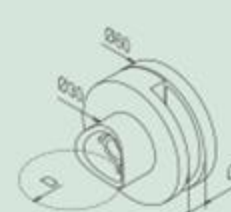
### GPR-SINGLE-60-02

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



### GPR-60-03

#### Material

SUS 304 Stainless Steel

G	D
10-13.5	42.4
	48.3
	50.8

304 316



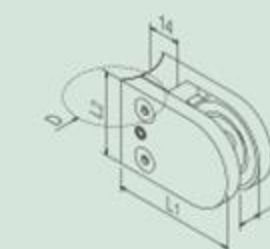
### GPR-6245

#### Material

SUS 304 Stainless Steel

L1	L2	G	D
62	45	8-12	42.4/48.3/50.8
52	35	8-10	42.4/50.8

304 316



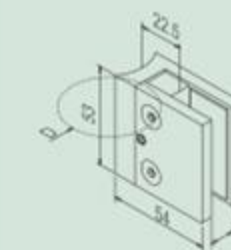
### GPR-5453

#### Material

SUS 304 Stainless Steel

G	D
8-12	42.4
	48.3
	50.8

304 316



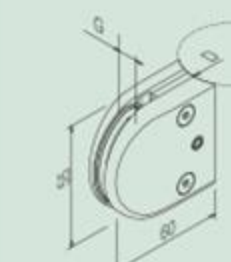
### GPR-6055

#### Material

SUS 304 Stainless Steel

G	D
8-12	42.4
	48.3
	50.8

304 316

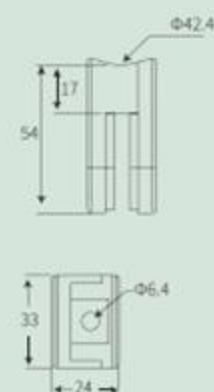






### GPR-2433 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



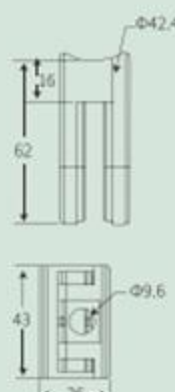
### GPR-2424 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-10mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



### GPR-2643 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



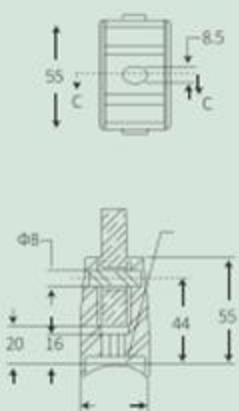
### GPR-2633 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-10mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



### GPR-4455 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



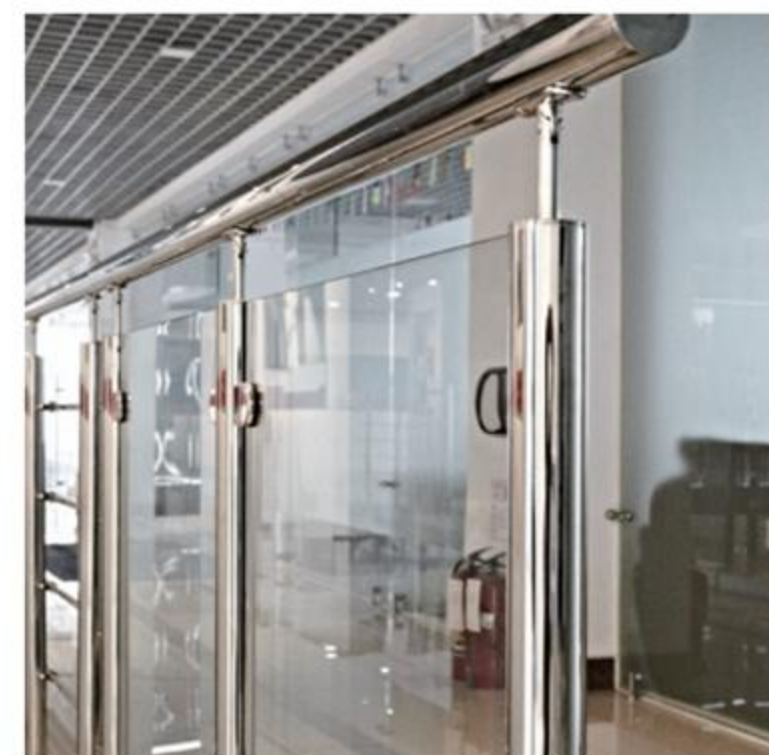
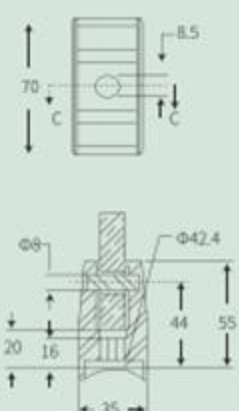
### GPR-3560 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-10mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



### GPR-3570 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	





# FLEX BARRA HANDRAIL

The FLEX BARRA HANDRAIL series of flexible wire rods is an innovative modular system with armrests, guardrails, and round tubes and respective connections. Its installation using solder is completely dispensed with by working by cutting the pipes between each other and connecting these parts by using adhesives and/or rivets. This ensures quick installation and cleaning work, perfect completion, and fully meets the customer's work for delivery. The system allows the horizontal rails for the side rails to be closed to be 12.7 or 16 mm stainless steel rods, and the vertical steel bars are also 12.7 mm stainless steel rods. This versatile model and their convenient flexibility allow customers to create completely customizable spaces to enjoy. AISI 304 stainless steel can be used indoors, and AISI 316 stainless steel can be used at the seaside or in harsh environments. FLEX BARRA offers both polished or brushed options.





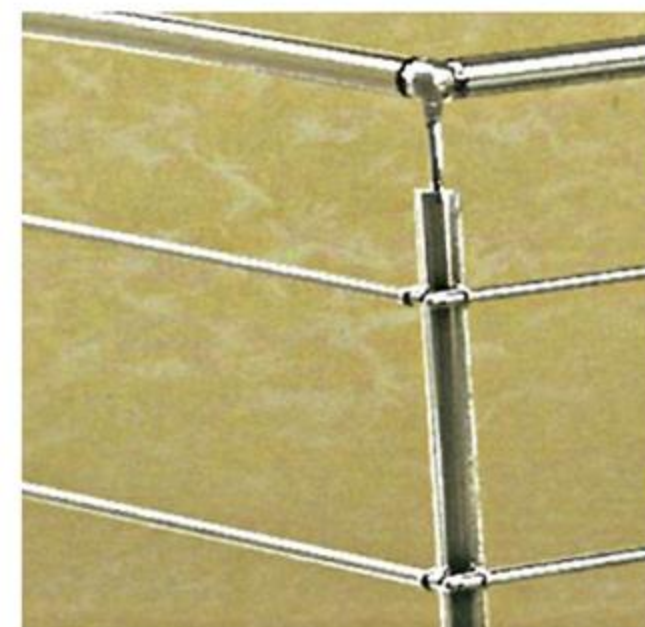
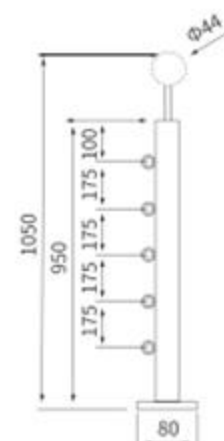


## POST EXTERNAL BAR 12.7MM

**AISI 304**

**EPC057IP**  
Post external bar 12.7mm polished

**EPC057IE**  
Post external bar 12.7mm satin



## POST EXTERNAL BAR CORNER 16MM

**AISI 304**

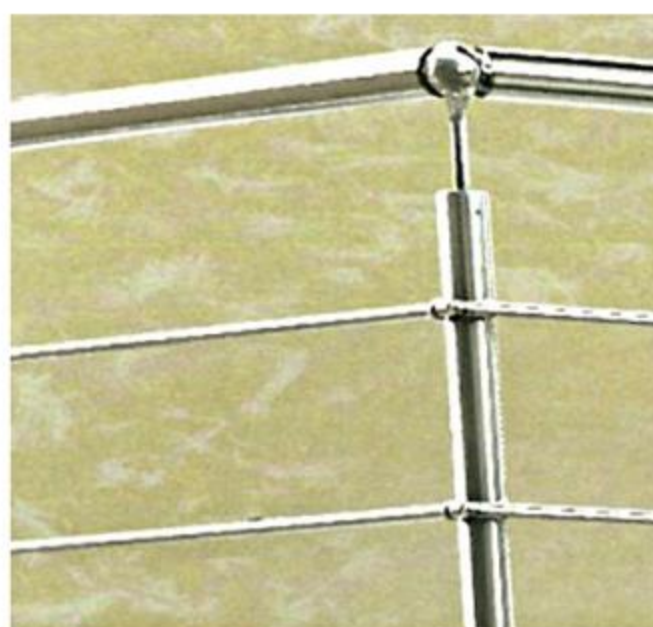
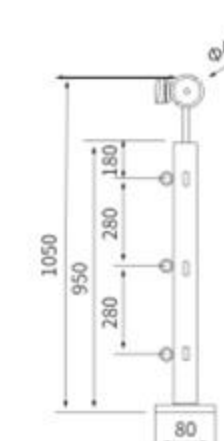
**EPC060IP** Post inner bar corner 16mm polished

**EPC060IE** Post inner bar corner 16mm satin

**AISI 316**

**EPC267IP** Post inner bar corner 16mm polished

**EPC267IE** Post inner bar corner 16mm satin

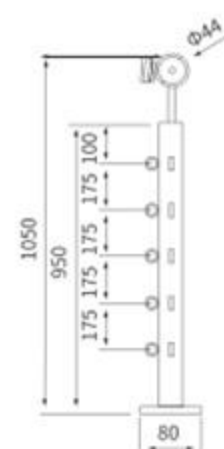


## POST EXTERNAL BAR CORNER 12.7MM

**AISI 304**

**EPC059IP**  
Post external bar corner 12.7mm polished

**EPC059IE**  
Post external bar corner 12.7mm satin



## POST WITHOUT NECK EXTERNAL BAR 16MM

**AISI 304**

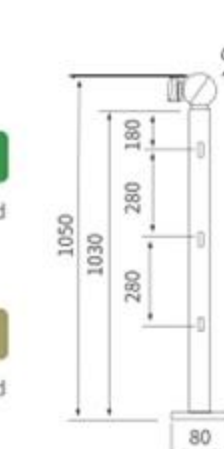
**EPC186IP** Post without neck external bar 16mm polished

**EPC186IE** Post without neck external bar 16mm satin

**AISI 316**

**EPC269IP** Post without neck external bar 16mm polished

**EPC269IE** Post without neck external bar 16mm satin

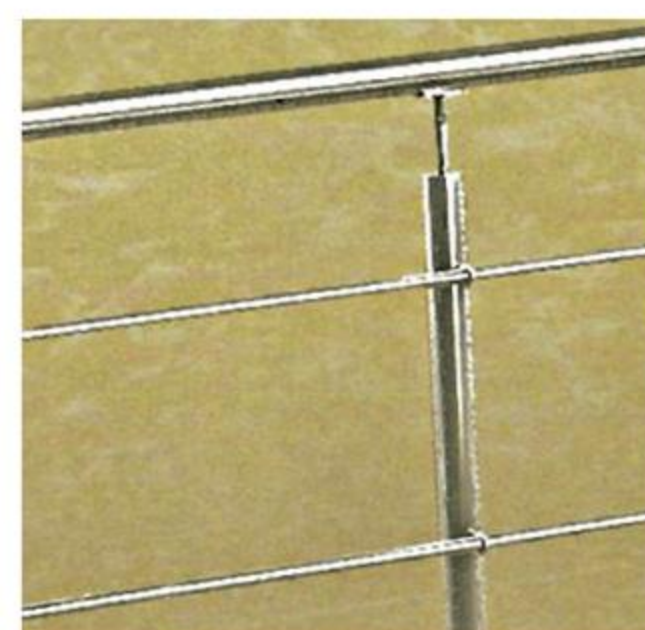
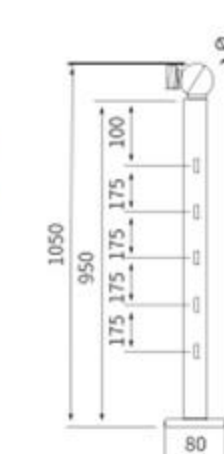


## POST WITHOUT NECK EXTERNAL BAR 12.7MM

**AISI 304**

**EPC185IP**  
Post without neck external bar 12.7mm polished

**EPC185IE**  
Post without neck external bar 12.7mm satin



## POST EXTERNAL BAR 16MM

**AISI 304**

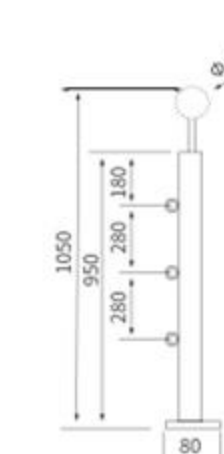
**EPC058IP** Post external bar 16mm polished

**EPC058IE** Post external bar 16mm satin

**AISI 316**

**EPC058IP** Post external bar 16mm polished

**EPC058IE** Post external bar 16mm satin

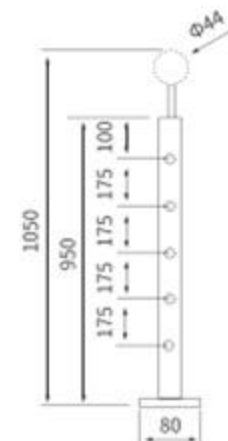






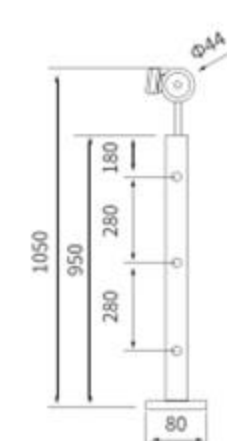
### POST INNER BAR MIDDLE 12.7MM

- AISI 304**
- EPC042IP** Post inner bar middle 12.7mm polished
- EPC042IE** Post inner bar middle 12.7mm satin



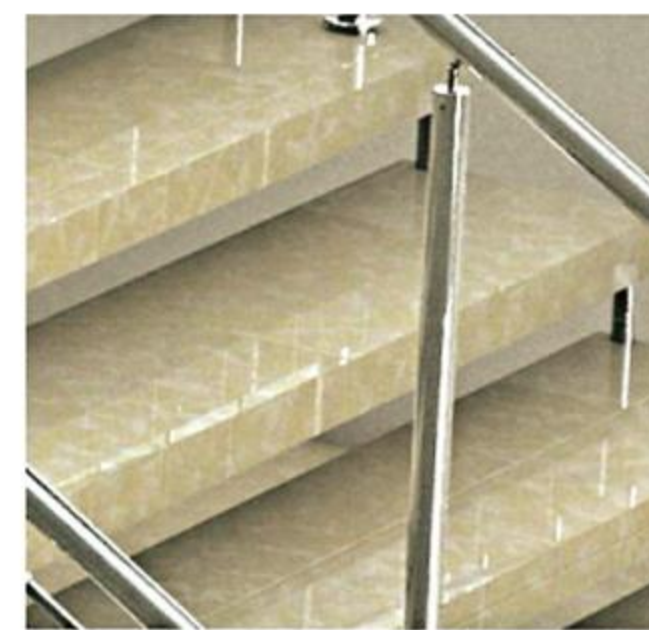
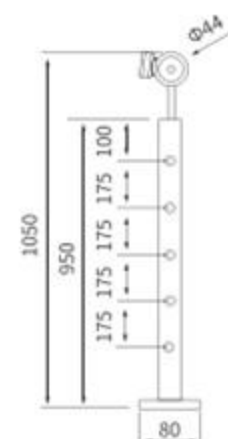
### POST INNER BAR CORNER 16MM

- AISI 304**
- EPC111IP** Post inner bar corner 16mm polished
- EPC111IE** Post inner bar corner 16mm satin
- AISI 316**
- EPC261IP** Post inner bar corner 16mm polished
- EPC261IE** Post inner bar corner 16mm satin



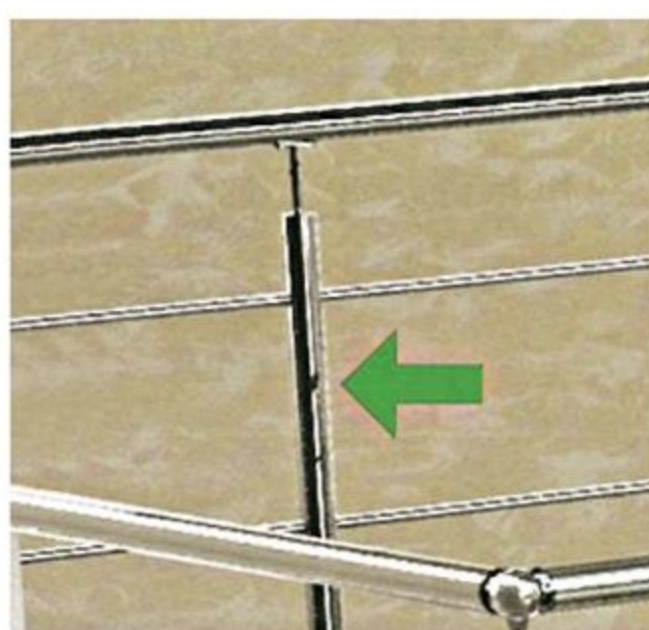
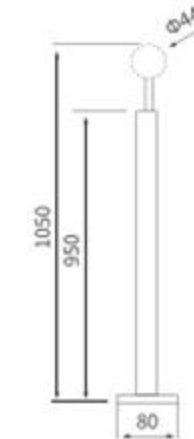
### POST INNER BAR CORNER 12.7MM

- AISI 304**
- EPC041IP** Post inner bar corner 12.7mm polished
- EPC041IE** Post inner bar corner 12.7mm satin



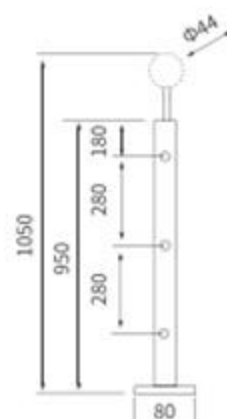
### POST SMOOTH

- AISI 304**
- EPC013IP** Post smooth polished
- EPC013IE** Post smooth satin
- AISI 316**
- EPC263IP** Post smooth polished
- EPC263IE** Post smooth satin



### POST INNER BAR MIDDLE 16MM

- AISI 304**
- EPC110IP** Post inner bar middle 16mm polished
- EPC110IE** Post inner bar middle 16mm satin
- AISI 316**
- EPC260IP** Post inner bar middle 16mm polished
- EPC260IE** Post inner bar middle 16mm satin



### POST SMOOTH CORNER

- AISI 304**
- EPC030IP** Post smooth corner polished
- EPC030IE** Post smooth corner satin
- AISI 316**
- EPC270IP** Post smooth corner polished
- EPC270IE** Post smooth corner satin



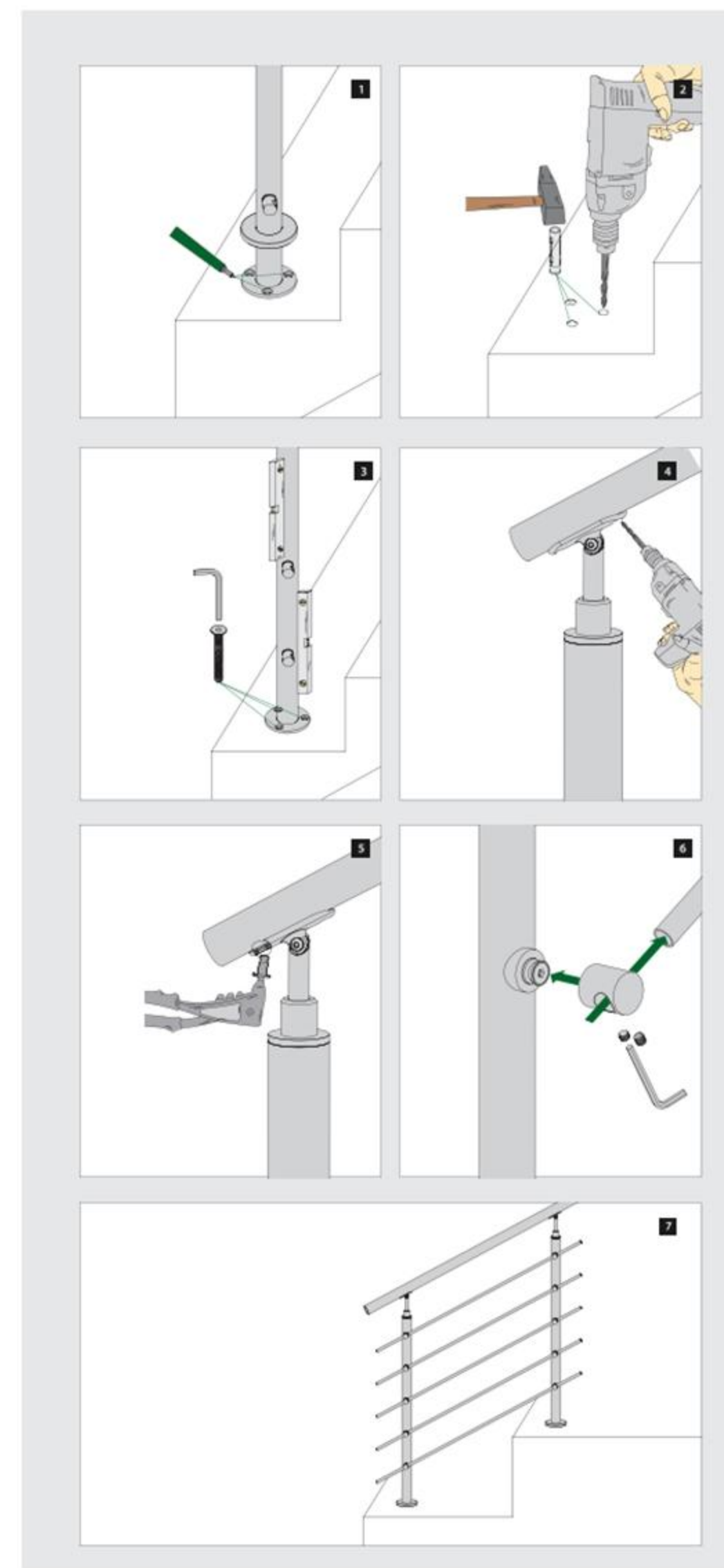


Installation Necessary fitting

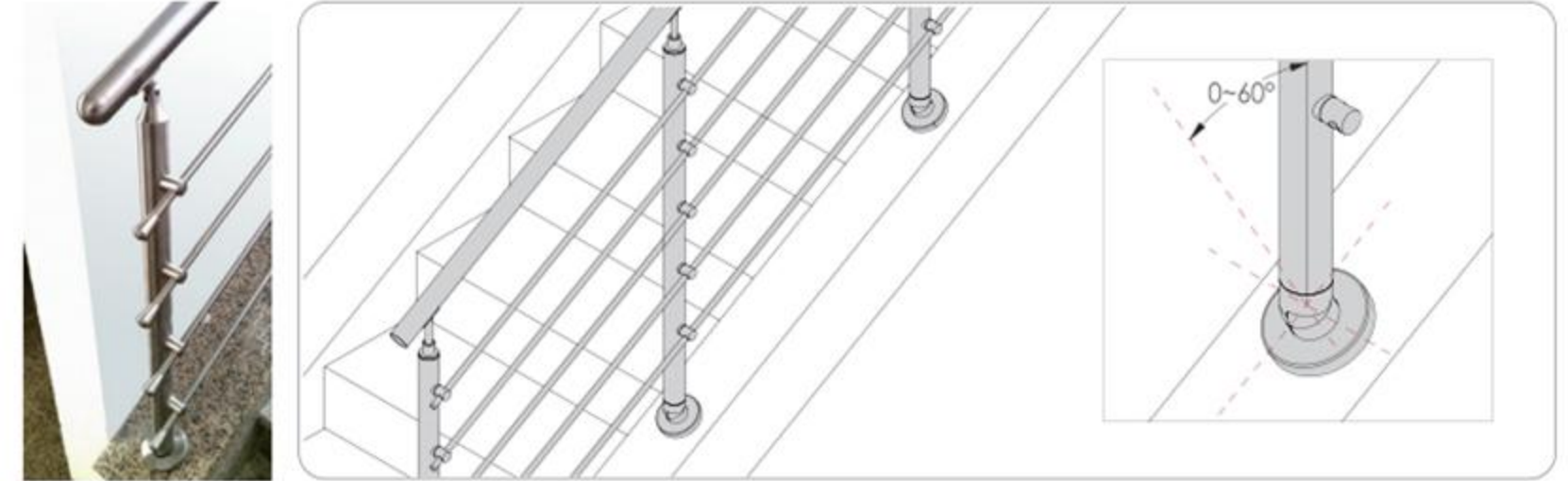


Process perfect curve lubrication exquisite texture

Installation Necessary fitting







#### HP950-6

##### Material

SUS 304/316 Stainless Steel

Φ	A	B	C	D
42.4x1.5	200	550	200	950
50.8x1.5				

304 316



#### HP950-7

##### Material

SUS 304/316 Stainless Steel

Φ	B	H
50.8x1.5	80	950

304 316

#### HP950-8

##### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	150	130	150	950

304 316



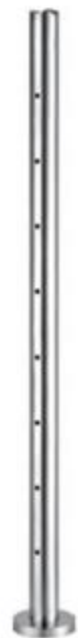
#### HP950-9

##### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	130	100	120	950

304 316







### HP950-10

#### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	150	150	200	950
50.8x1.5				
304	316			



### HP870-1

#### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	220	150	200	870
50.8x1.5				
304	316			



### HP1100-2

#### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	150	150	350	1100
50.8x1.5				
304	316			

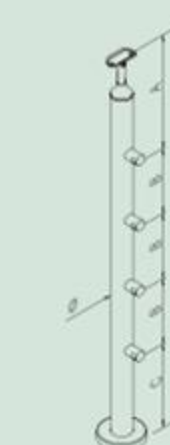


### HP870-2

#### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	210	150	210	870
50.8x1.5				
304	316			



### HP950-11

#### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	150	150	200	950
50.8x1.5				
304	316			



### HP870-3

#### Material

SUS 304 Stainless Steel

Φ	A	B	C	D
42.4x1.5	210	150	210	870
50.8x1.5				
304	316			







**PF-1001-Sharp-90**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1003-R-90**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1001-Sharp-135**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1002-Round-90-2**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PF-1001-Sharp-135**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PF-1001-Sharp-135-2**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PF-1002-Rotating**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1002-Round-90**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1103-Flexible-2**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1103-Flexible-2**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**C016IP**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**C016IE**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PF-1001-T**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1003-F**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**PF-1003-X**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	



**C016IA**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PFP-04**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PFP-05**

Material	Size
SUS 304 Stainless Steel SSS/PSS	Φ: 38/51mm
304	





**PFP-03-PLUG Round**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8
	W: 6 6 8 8

304



**PFP-03**

Material	Size
SUS 304 Stainless Steel	Φ: 38/51mm
SSS/PSS	

304



**PFP-02-PLUG SOLID-Flat**

Material	Size
SUS 304 Stainless Steel	Φ: 38/51mm
SSS/PSS	

304



**PFP-01-PLUG Round**

Material	Size
SUS 304 Stainless Steel	Φ: 38/51mm
SSS/PSS	

304



**PF-Flange01**

Material	Size
SUS 304 Stainless Steel	Φ: 38mm
SSS/PSS	

304



**PF-Flange02**

Material	Size
SUS 304 Stainless Steel	Φ: 51mm
SSS/PSS	

304



**PF-Flange03**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8
	W: 6 6 8 8

304



**PF-Top01-Flexible**

Material	Size
SUS 304 Stainless Steel	Φ: 51mm
SSS/PSS	

304



**PF-Top01**

Material	Size
SUS 304 Stainless Steel	Φ: 51mm
SSS/PSS	

304



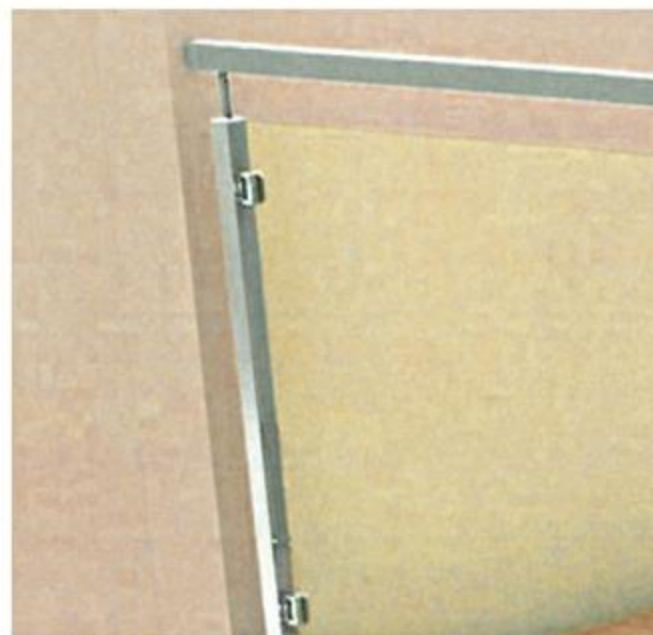


# FLEX GLASS SQUARE HANDRAIL

FLEX GLASS SQUARE HANDRAIL is an innovative modular system with guardrails, utility poles made of **40mm** square tubes and side sealing panels with **8mm** tempered glass. This is in line with the wishes of architects and designers, and the EU has joined the different elements of the EU and is easy to use for cleaning. In their work. The use of a square tubular structure provides a clean and beautiful appearance of a closed glass panel, transparent design and functionality, and combines works to appreciate your house. Its installation using solder is completely dispensed with by working by cutting the pipes between each other and connecting these parts by using adhesives and/or rivets. This ensures quick installation, cleansing and finishing work, and complete satisfaction with the customer. It can be made of **AISI 304** for indoor use or **AISI316** for outdoor and seaside use of stainless steel. It can be polished or brushed. It can also be customized to make other colors (gold, **matt black**, etc.)





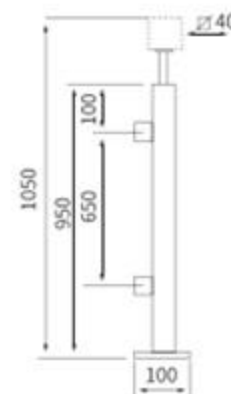


## POST SQUARE TERMINAL GLASS

**AISI 304**

**EPC161IP**  
Post square external bar 10mm polished

**EPC161IE**  
Post square external bar 10mm satin

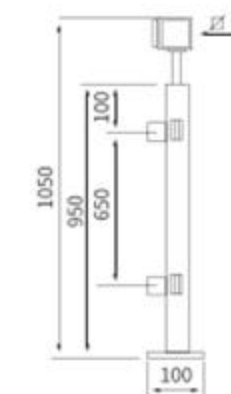


## POST SQUARE CORNER GLASS

**AISI 304**

**EPC163IP**  
Post square corner glass polished

**EPC163IE**  
Post square corner glass satin

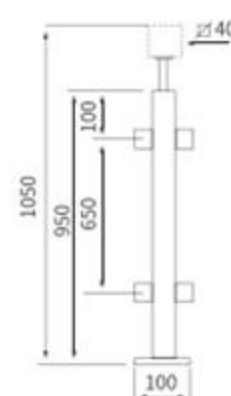


## POST SQUARE MIDDLE GLASS

**AISI 304**

**EPC162IP**  
Post square external bar corner 10mm polished

**EPC162IE**  
Post square external bar corner 10mm satin

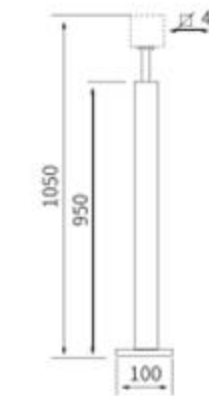


## POST SQUARE SMOOTH

**AISI 304**

**EPC173IP**  
Post square smooth polished

**EPC173IE**  
Post square smooth satin

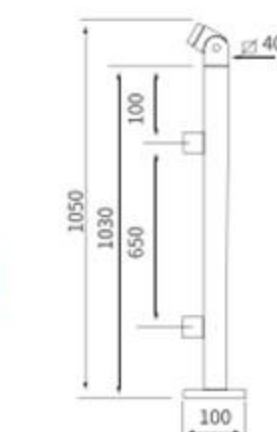


## POST SQUARE WITHOUT NECK GLASS

**AISI 304**

**EPC172IP**  
Post square without neck external bar 10mm polished

**EPC172IE**  
Post square without neck external bar 10mm satin

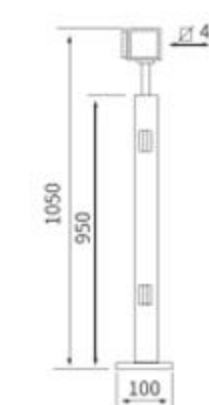


## POST SQUARE SMOOTH CORNER

**AISI 304**

**EPC300IP**  
Post square smooth corner polished

**EPC300IE**  
Post square smooth corner satin





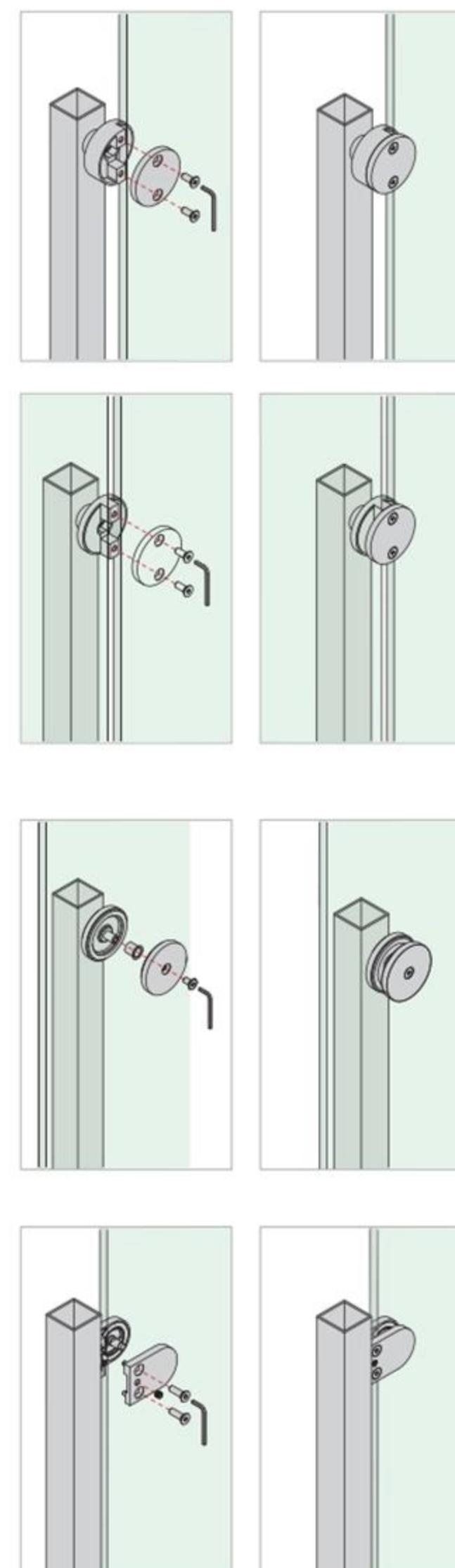
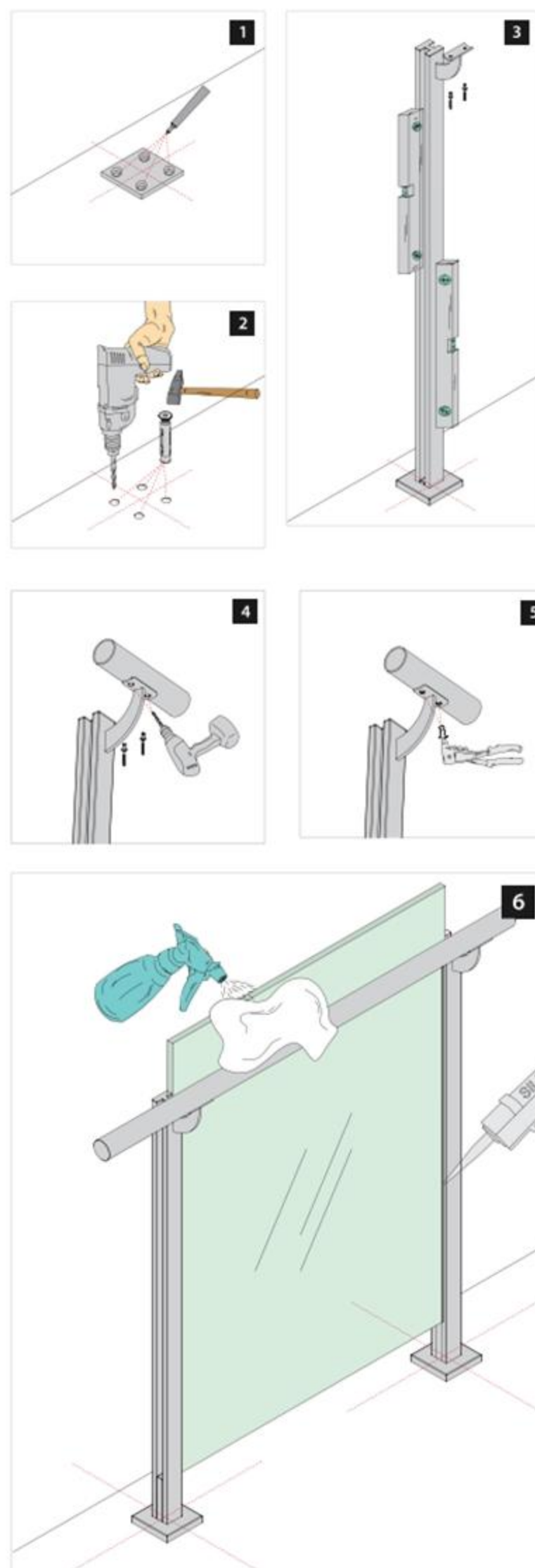


#### HP870-4

Material  
SUS 304 Stainless Steel

Size				
Φ	A	B	C	D
42.4x1.5	220	150	200	870
50.8x1.5				

304 316



#### GRS-DOUBLE-60-01

Material Thickness  
SUS 304 Stainless Steel 10-13.5mm Tempered glass

304



#### GRS-SINGLE-60-02

Material Thickness  
SUS 304 Stainless Steel 10-13.5mm Tempered glass

304



#### GRS-60-03

Material Thickness  
SUS 304 Stainless Steel 10-13.5mm Tempered glass

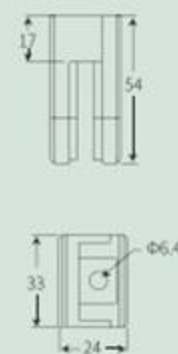
304





### GPS-2433 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



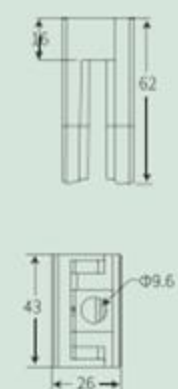
### GPS-2424 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-10mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



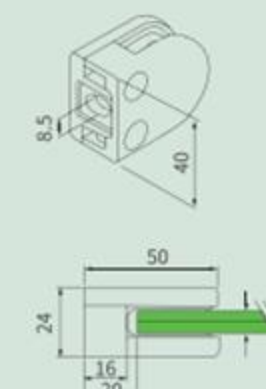
### GPS-2643 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



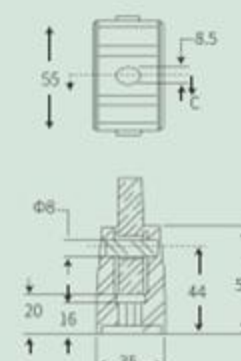
### GPS-2633 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-10mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



### GPS-4455 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



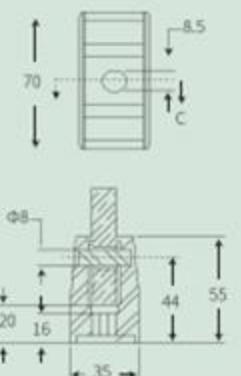
### GPS-3560 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-10mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	



### GPS-3570 Glass clamp

<b>Material</b>	SUS 304 Stainless Steel
<b>Thickness</b>	8-12mm Tempered glass
<b>Finishes available</b>	Satin Stainless Steel-SSS Polished Stainless Steel-PSS
<b>304</b>	







**GPS-3535** Glass clamp

<b>Material</b>	
SUS 304 Stainless Steel	
<b>Thickness</b>	
8-10mm Tempered glass	
<b>Finishes available</b>	
	Satin Stainless Steel-SSS
	Polished Stainless Steel-PSS
<b>304</b>	



**GPS-4545** Glass clamp

<b>Material</b>	
SUS 304 Stainless Steel	
<b>Thickness</b>	
8-10mm Tempered glass	
<b>Finishes available</b>	
	Satin Stainless Steel-SSS
	Polished Stainless Steel-PSS
<b>304</b>	



**GPS-6050** Glass clamp

<b>Material</b>	
SUS 304 Stainless Steel	
<b>Thickness</b>	
8-10mm Tempered glass	
<b>Finishes available</b>	
	Satin Stainless Steel-SSS
	Polished Stainless Steel-PSS
<b>304</b>	







### GPS-2450

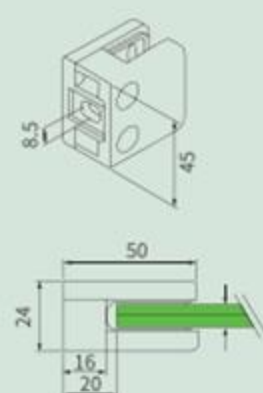
#### Material

SUS 304 Stainless Steel

#### Thickness

10-13.5mm Tempered glass

304



### GPS-124

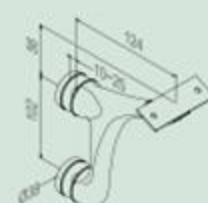
#### Material

SUS 304 Stainless Steel

#### Thickness

10-13.5mm Tempered glass

304



### GPS-6245

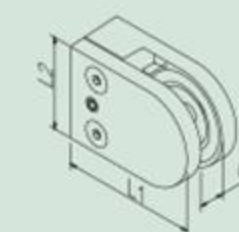
#### Material

SUS 304 Stainless Steel

#### Size

L1	L2	G
62	45	8-12
52	35	8-10

304 316



### GPS-5560

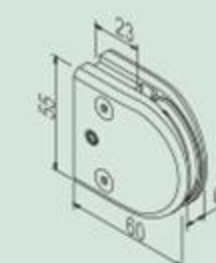
#### Material

SUS 304 Stainless Steel

#### Size

G
10-12

304 316



### GPS-5354

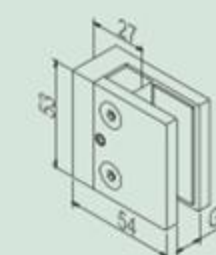
#### Material

SUS 304 Stainless Steel

#### Size

G
8-12

304 316







### HP-950-12

**Material**  
SUS 304 Stainless Steel

Size				
Φ	A	B	C	D
42.4x1.5	200	550	200	950
50.8x1.5				

304 316



### HP-950-13

**Material**  
SUS 304 Stainless Steel

Size		
Φ	B	H
42.4x1.5	80	950
50.8x1.5		

304 316



### HP-950-14

**Material**  
SUS 304 Stainless Steel

Size				
Φ	A	B	C	D
42.4x1.5	150	150	200	950
50.8x1.5				

304 316



### HP-870-5

**Material**  
SUS 304 Stainless Steel

Size				
Φ	A	B	C	D
42.4x1.5	220	150	200	870
50.8x1.5				

304 316



### HP-870-6

**Material**  
SUS 304 Stainless Steel

Size				
Φ	A	B	C	D
42.4x1.5	210	150	210	870
50.8x1.5				

304 316



### HP870-7

**Material**  
SUS 304 Stainless Steel

Size				
Φ	A	B	C	D
42.4x1.5	210	150	210	870
50.8x1.5				

304 316







## FLEX BARRA SQUARE HANDRAIL

FLEX BARRA SQUARE HANDRAIL is an innovative modular system with square poles and guardrail grab bars. The **40mm** square tube of the utility pole is laterally closed and connected to the small square tube. This line is unfolded to satisfy the desire, architect And designers also combine the use of people and the use of cleaning elements in their work. It now offers an elegant look and design that combines perfectly with the decoration of your home. The installation process completely eliminates the welding process, through the use of pipes and connecting these parts through the use of rivets or glue. This ensures quick installation and cleaning work, perfect completion, and fully meets the customer's work for delivery. The system allows for **10 years** or **15 mm** to be used on the side rails that are closed. It can be made of **AISI 304** for indoor use or **AISI316** for outdoor and seaside use of stainless steel. It can be polished or brushed. It can also be customized to make other colors (gold, **matt black**, etc.)



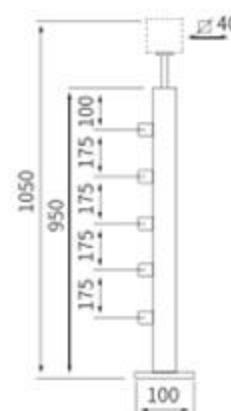


### POST SQUARE EXTERNAL BAR 10mm

AISI 304

EPC166IP  
Post square external bar 10mm polished

EPC166IE  
Post square external bar 10mm satin

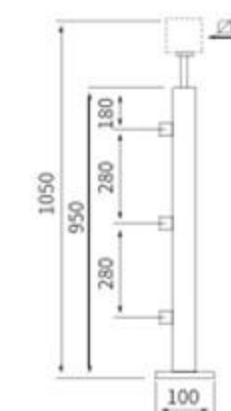


### POST SQUARE EXTERNAL BAR 15mm

AISI 304

EPC199IP  
Post square external bar 15mm polished

EPC199IE  
Post square external bar 15mm satin

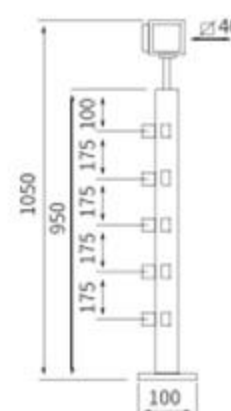


### POST SQUARE EXTERNAL BAR CORNER 10mm

AISI 304

EPC167IP  
Post square external bar corner 10mm polished

EPC167IE  
Post square external bar corner 10mm satin

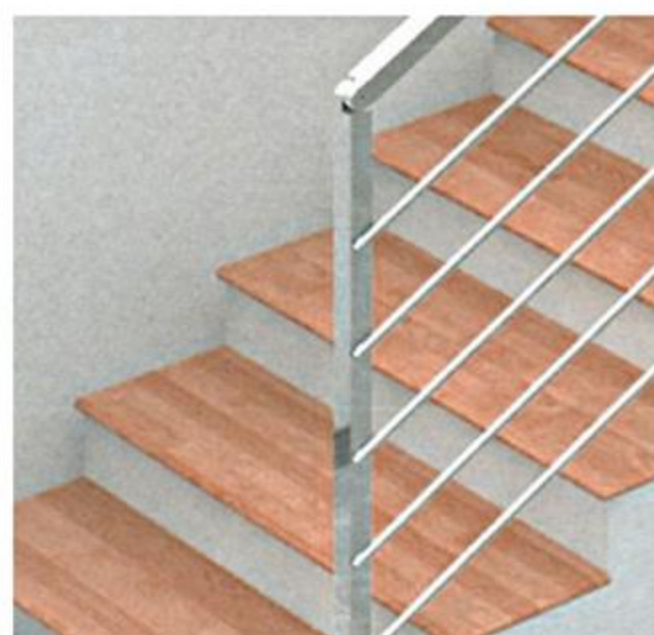
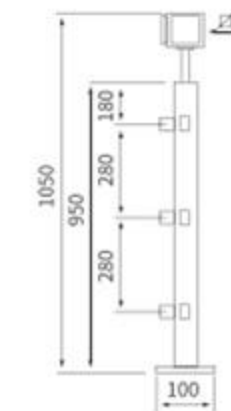


### POST SQUARE EXTERNAL BAR CORNER 15mm

AISI 304

EPC199IP  
Post square external bar corner 15mm polished

EPC199IE  
Post square external bar corner 15mm satin

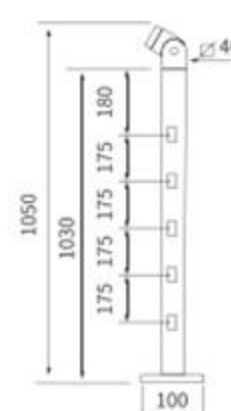


### POST SQUARE WITHOUT NECK EXTERNAL BAR 10MM

AISI 304

EPC172IP  
Post square without neck external bar 10mm polished

EPC172IE  
Post square without neck external bar 10mm satin

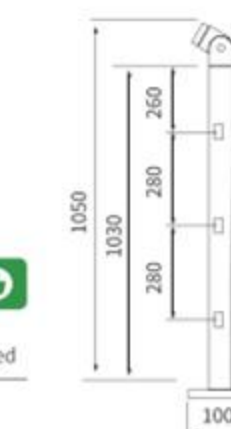


### POST SQUARE EXTERNAL BAR CORNER 15mm

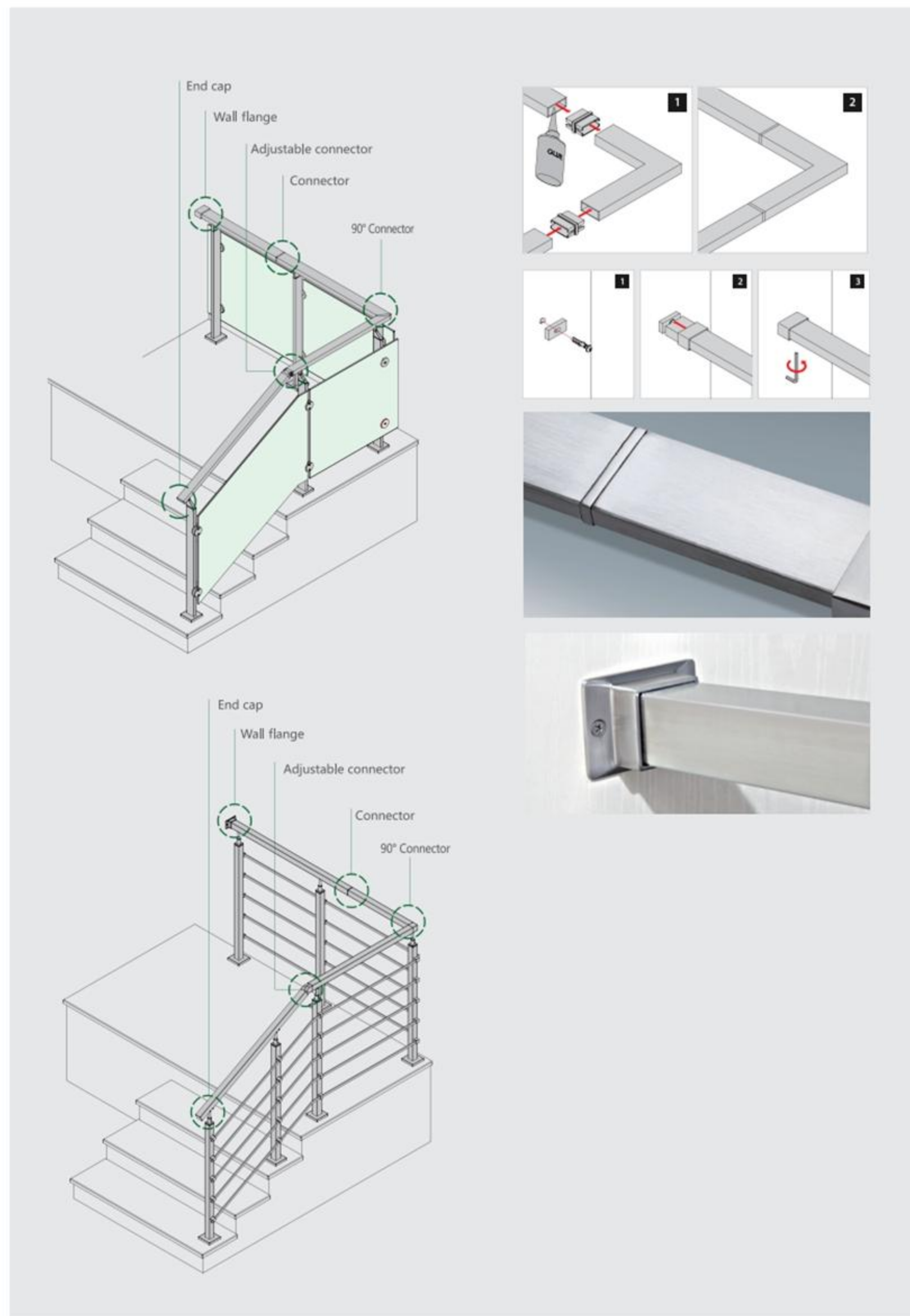
AISI 304

EPC199IP  
Post square without neck external bar 15mm polished

EPC199IE  
Post square without neck external bar 15mm satin







PF-1011-90

Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



PF-1011-F

Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



PF-1011-T

Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



PF-Flange04

Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



PF-1011-T

Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



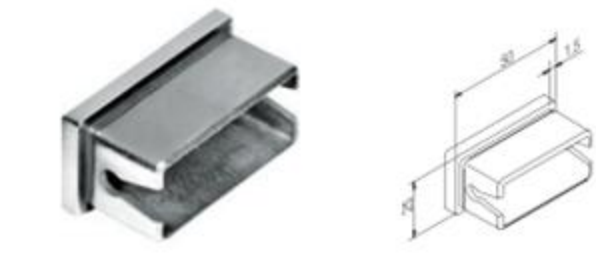
PF-1011-R

Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



PFP-04-PLUG Square

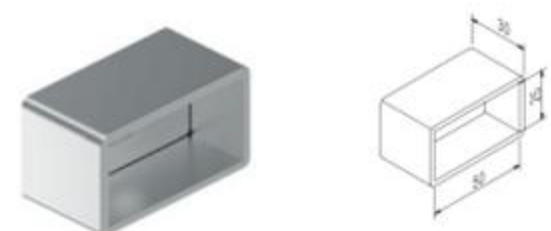
Material	Size
SUS 304 Stainless Steel	□ 40x40x1.5T
304	



PFP-05-PLUG REC

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	





**PF-1012-Joint-01**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



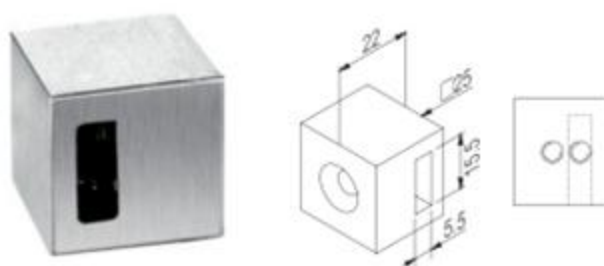
**PF-1012-Joint-03**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 8 8 10 10
304	



**PF-1012-Joint-05**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 8 8 10 10
304	



**PF-1012-Joint-07**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 8 8 10 10
304	



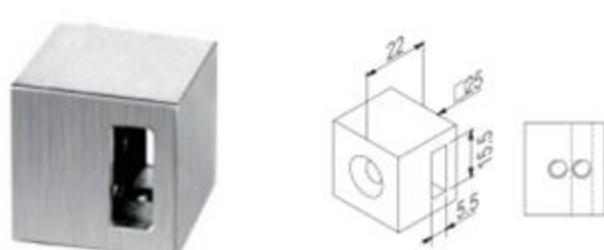
**PF-1012-Joint-02**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



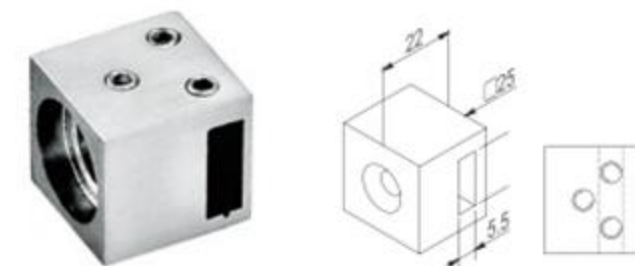
**PF-1012-Joint-04**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



**PF-1012-Joint-06**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 8 8 10 10
304	



**PF-1012-Joint-08**

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 8 8 10 10
304	



**PF-1013-Holder-01**

Material	Size
SUS 304 Stainless Steel	Φ: 10 12 16 19 W: 21 21 22.5 24.5
304	



**PF-1013-Holder-03**

Material	Size
SUS 304 Stainless Steel	Φ: 10 12 16 19 W: 21 21 22.5 24.5
304	



**PF-1013-Holder-05**

Material	Size
SUS 304 Stainless Steel	Φ: 10 12 16 19 W: 21 21 22.5 24.5
304	



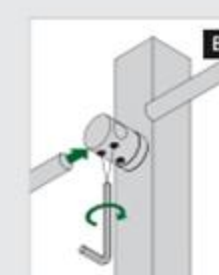
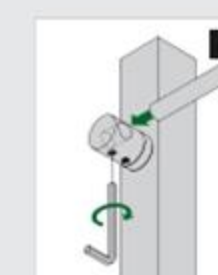
**PF-1013-Holder-02**

Material	Size
SUS 304 Stainless Steel	Φ: 10 12 16 19 W: 21 21 22.5 24.5
304	



**PF-1013-Holder-04**

Material	Size
SUS 304 Stainless Steel	Φ: 10 12 16 19 W: 21 21 22.5 24.5
304	







### PF-06-PLUG Square

**Material** SUS 304 Stainless Steel **Size** 10/15/40mm  
304



### PF-1014-I-Flexible

**Material** SUS 304 Stainless Steel **Size** 10/15/40mm  
304



### PF-Flange05

**Material** SUS 304 Stainless Steel **Size** 10/15/40mm  
304



### PF-Top02-Flexible

**Material** SUS 304 Stainless Steel **Size** 10/15/40mm  
304



### PF-1014-I

**Material** SUS 304 Stainless Steel **Size** 40mm  
304



### PF-1014-90

**Material** SUS 304 Stainless Steel **Size** 40mm  
304



### PF-Top03-Flexible

**Material** SUS 304 Stainless Steel **Size** 10/15/40mm  
304







### HP870-8

Material  
SUS 304 Stainless Steel

Size	A	B	C	D
42.4x1.5	210	150	210	870
50.8x1.5				

304 316

### HP950-15

Material  
SUS 304 Stainless Steel

Size	A	B	C	D
40x40x1.5	150	150	200	950

304 316



### HP870-9

Material  
SUS 304 Stainless Steel

Size	A	B	C	D
42.4x1.5	210	150	210	870
	210	150	210	870

304 316



### HP870-10

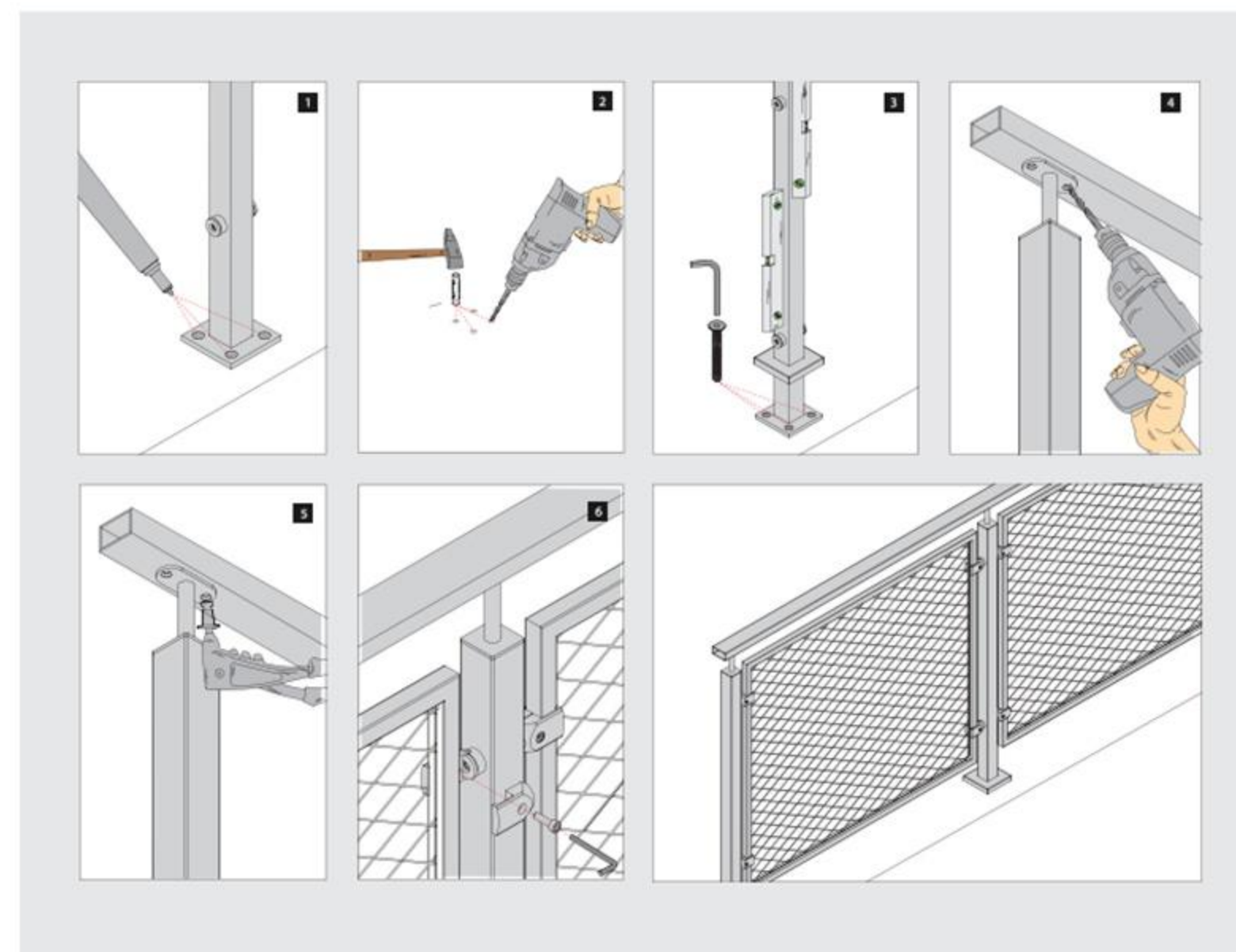
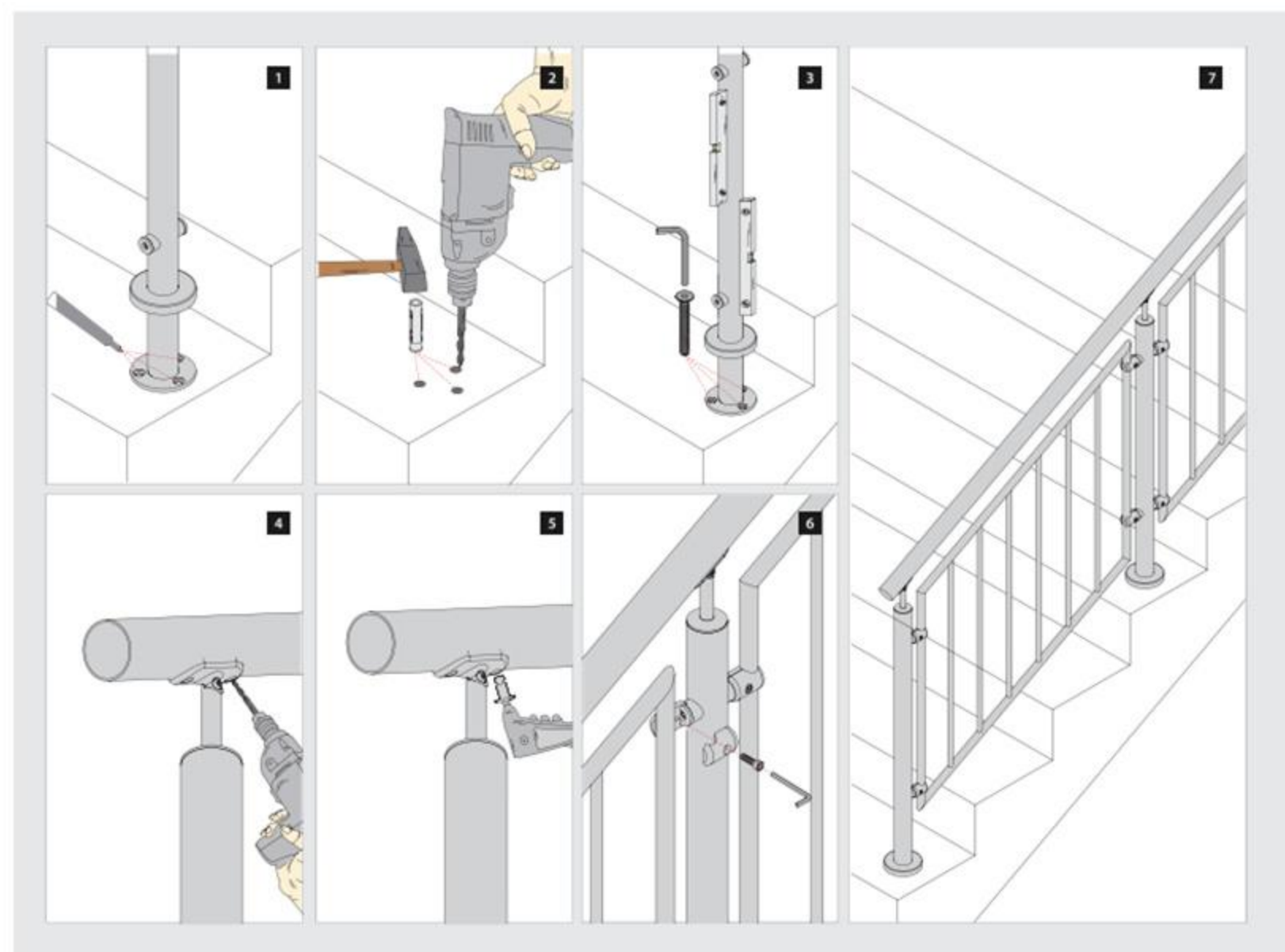
Material  
SUS 304 Stainless Steel

Size	A	B	C	D
42.4x1.5	210	150	210	870
50.8x1.5				

304 316











### NET-01

#### Material

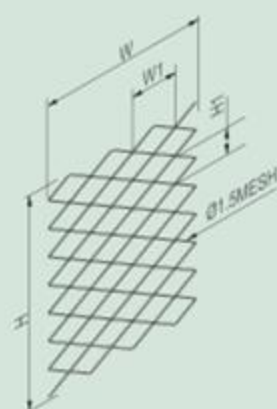
SUS 304 Stainless Steel

#### Size

W1 H1

75 40

304 316



### NET-04

#### Material

SUS 304 Stainless Steel

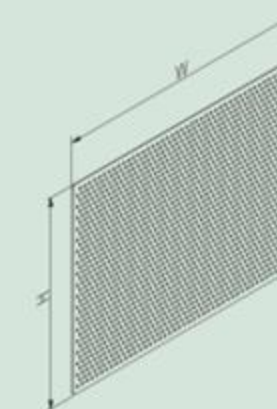
#### Size

W H T

Max 1100 750 2.5

Max 1200 750 3.7

304 316



### NET-02

#### Material

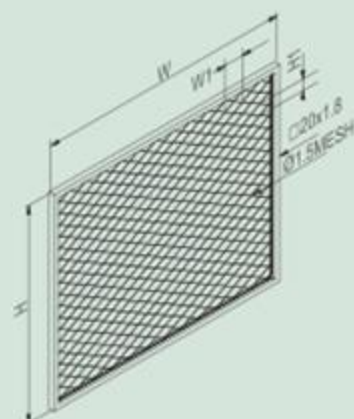
SUS 304 Stainless Steel

#### Size

W H W1 H1

Max 1200 750 75 40

304 316



### Rod-01

#### Material

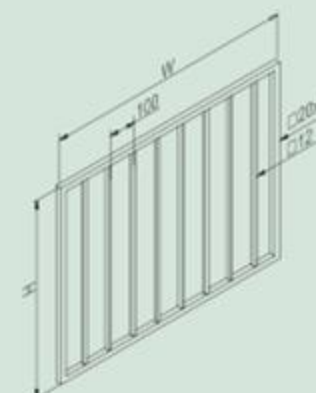
SUS 304 Stainless Steel

#### Size

W H

Max 1500 750

304 316



### NET-03

#### Material

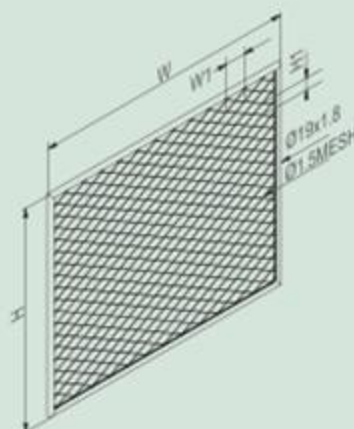
SUS 304 Stainless Steel

#### Size

W H W1 H1

Max 1200 750 75 40

304 316



### Rod-01

#### Material

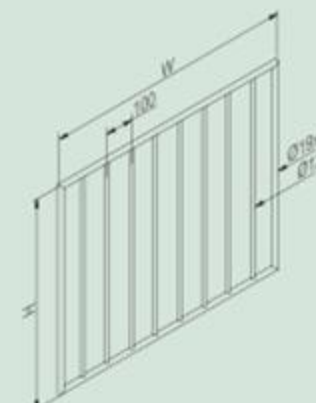
SUS 304 Stainless Steel

#### Size

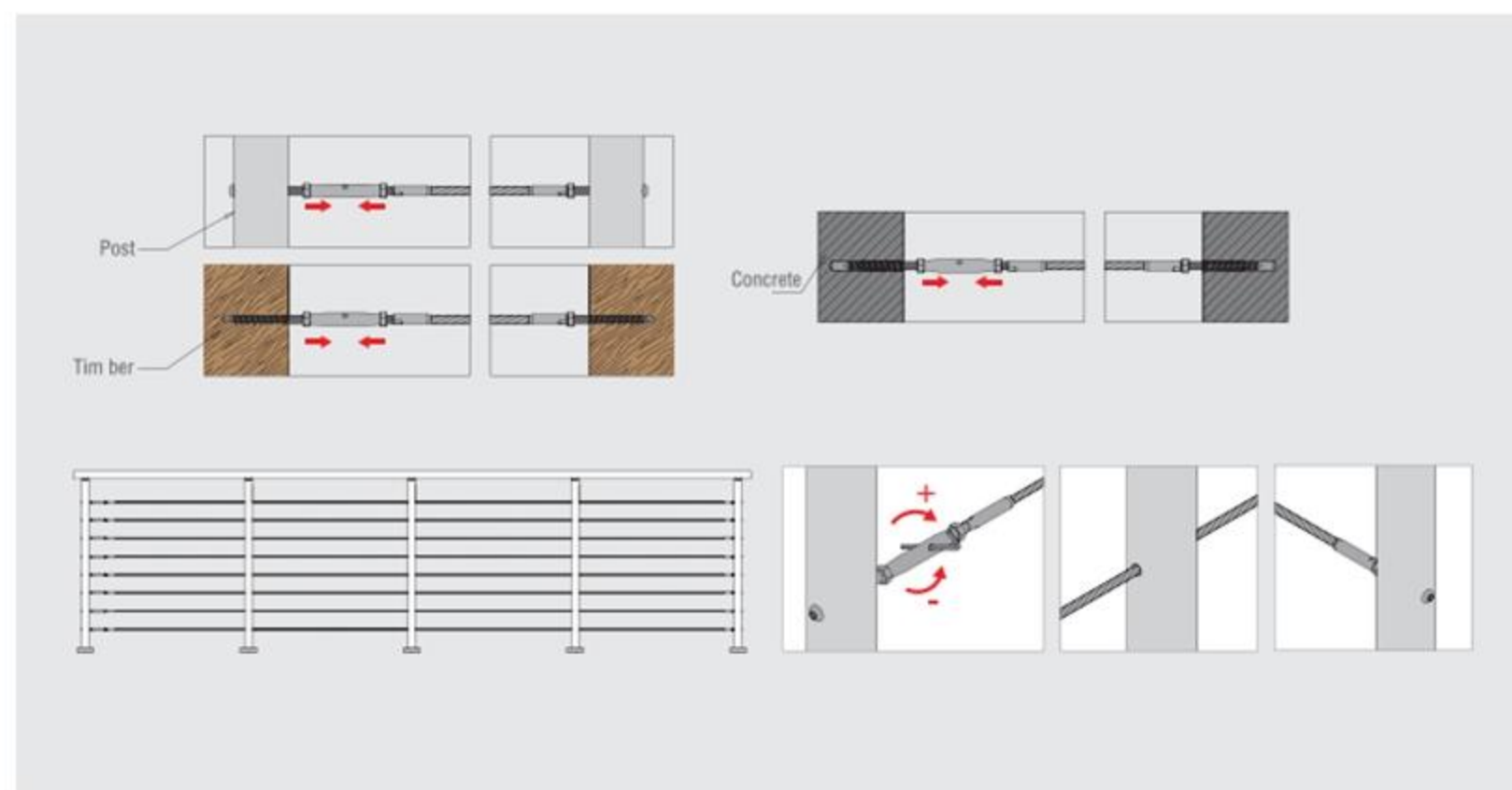
W H

Max 1500 750

304 316







CBA-01

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



CBA-02

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



CBA-03

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 6 6 8 8
304	



CBA-04

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 W: 8 8 10 10
304	



CBA-05

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8
304	



CBA-06

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 D: 18 18 18 20 d: 7.5 9 12 14
304	



CBA-07

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 10 D: 10 10 10 12 16 W: 6 6 6 8 10
304	



CBA-08

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 D: 18 18 18 20 d: 7.5 9 12 14 L: 65 65 73 73
304	



CBA-09

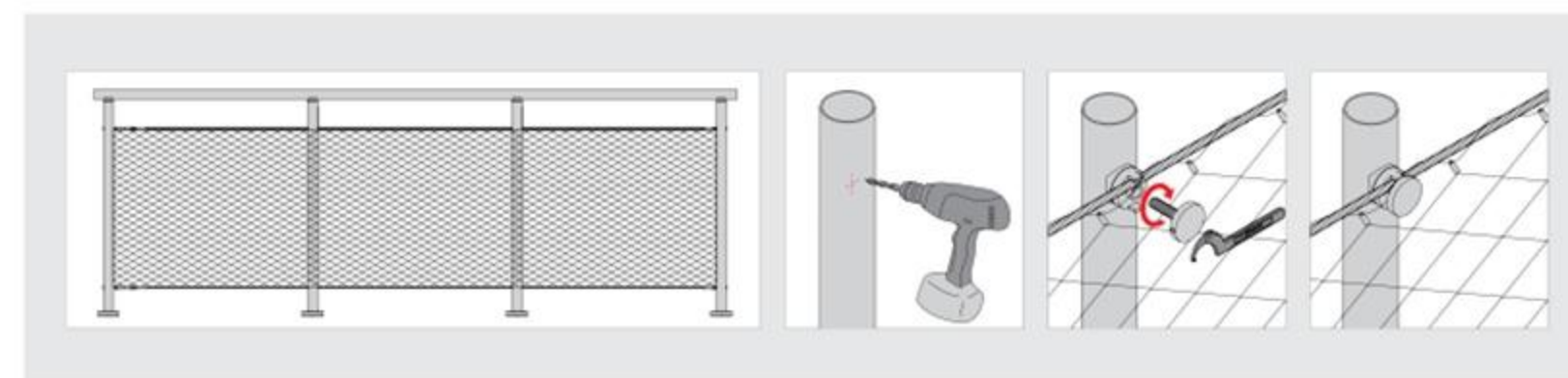
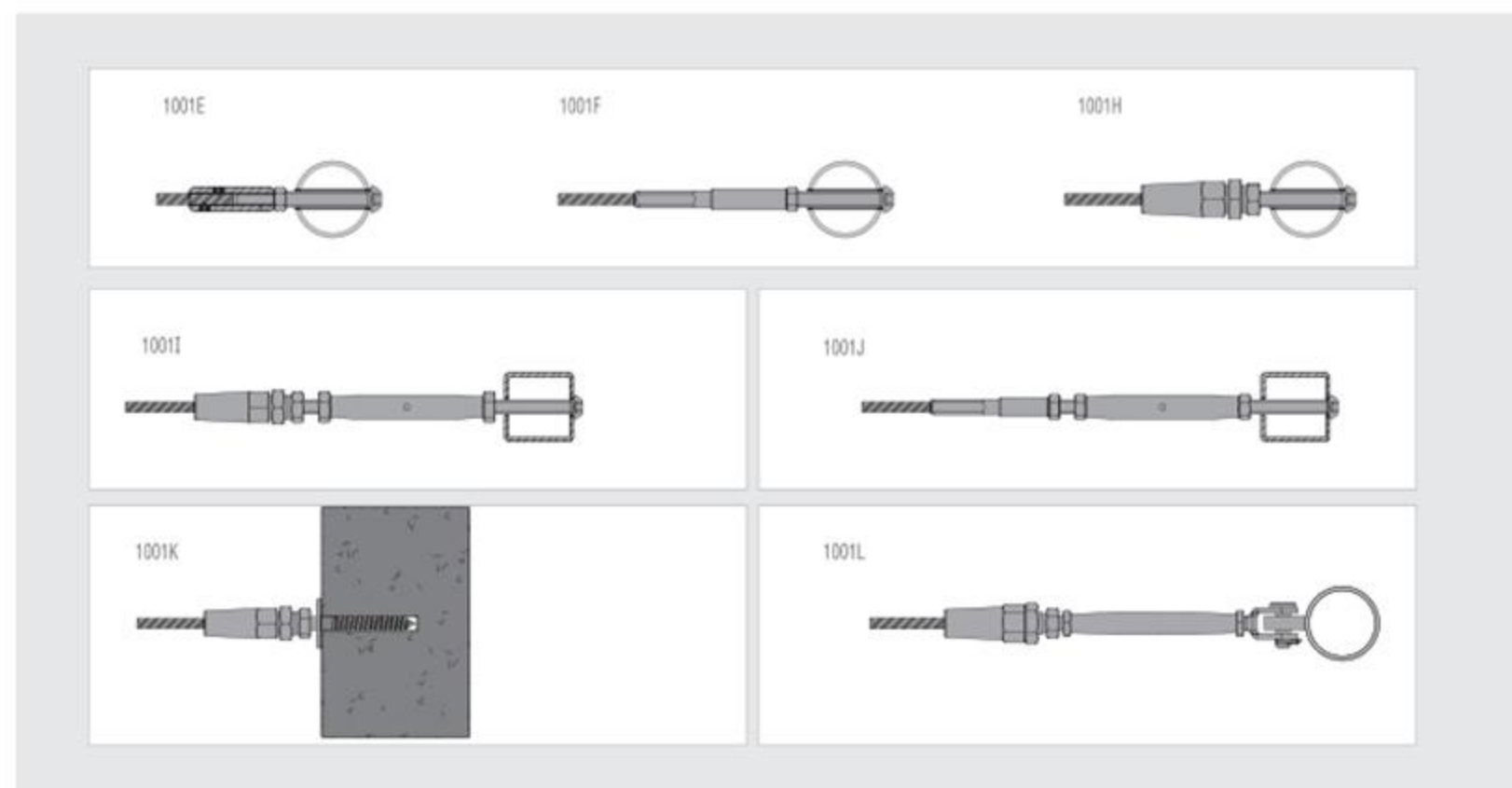
Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 8 D: 12 12 12 14 d: 6 6 6 8 L: 45 55 55 65
304	



CBA-10

Material	Size
SUS 304 Stainless Steel	Φ: 4 5 6 D: 18 18 18 L: 57 57 57
304	





#### HPA-01

**Material**  
SUS 304 Stainless Steel

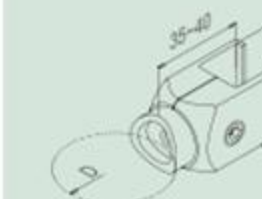
**Size**  
Φ 19  
D Φ42.4 Φ48.3 Φ50.8  
304 316



#### HPA-02

**Material**  
SUS 304 Stainless Steel

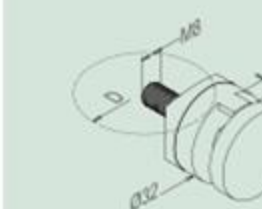
**Size**  
Φ 20  
D Φ42.4 Φ48.3 Φ50.8  
304 316



#### HPA-03

**Material**  
SUS 304 Stainless Steel

**Size**  
Φ 6-8  
D Φ42.4 Φ48.3 Φ50.8  
304 316



#### HPA-04

**Material**  
SUS 304 Stainless Steel

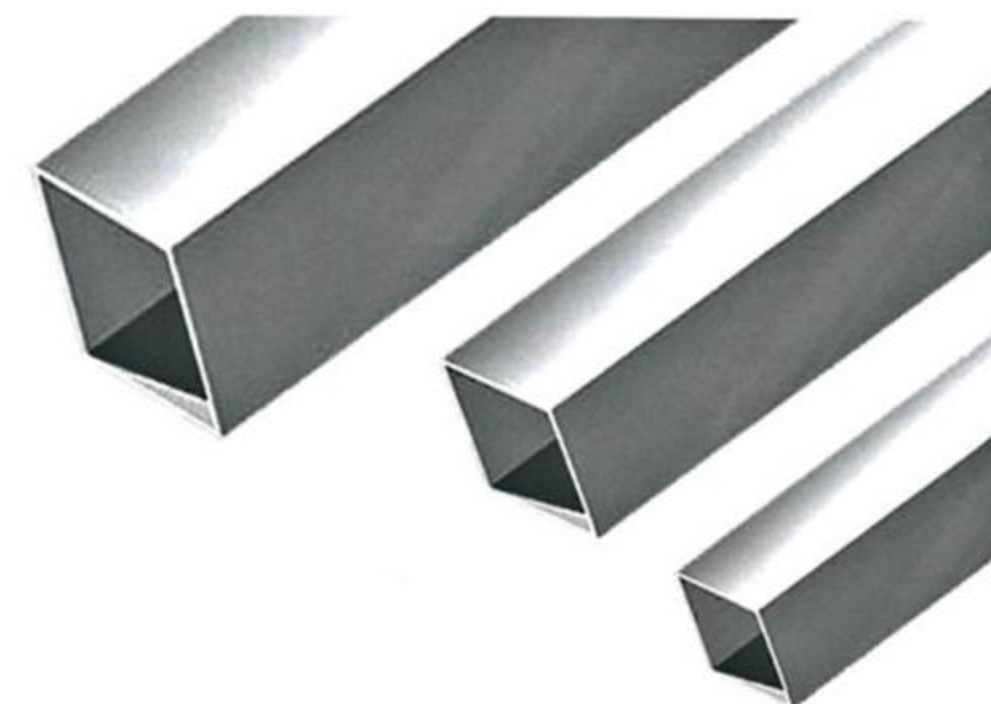
**Size**  
Φ 2-5  
D Φ42.4 Φ48.3 Φ50.8  
304 316





## FLEX SQUARE COMPONENT

The square tube composed of square balustrades has greater flexibility, making the consistency of the handrail system and different types of media items are elbow corners, columns, etc., can provide **AISI 304** indoor use or **AISI316** outdoor and seaside stainless steel In addition, there are two choices of fine polishing or drawing.



### TUBES SQUARE

#### AISI 304

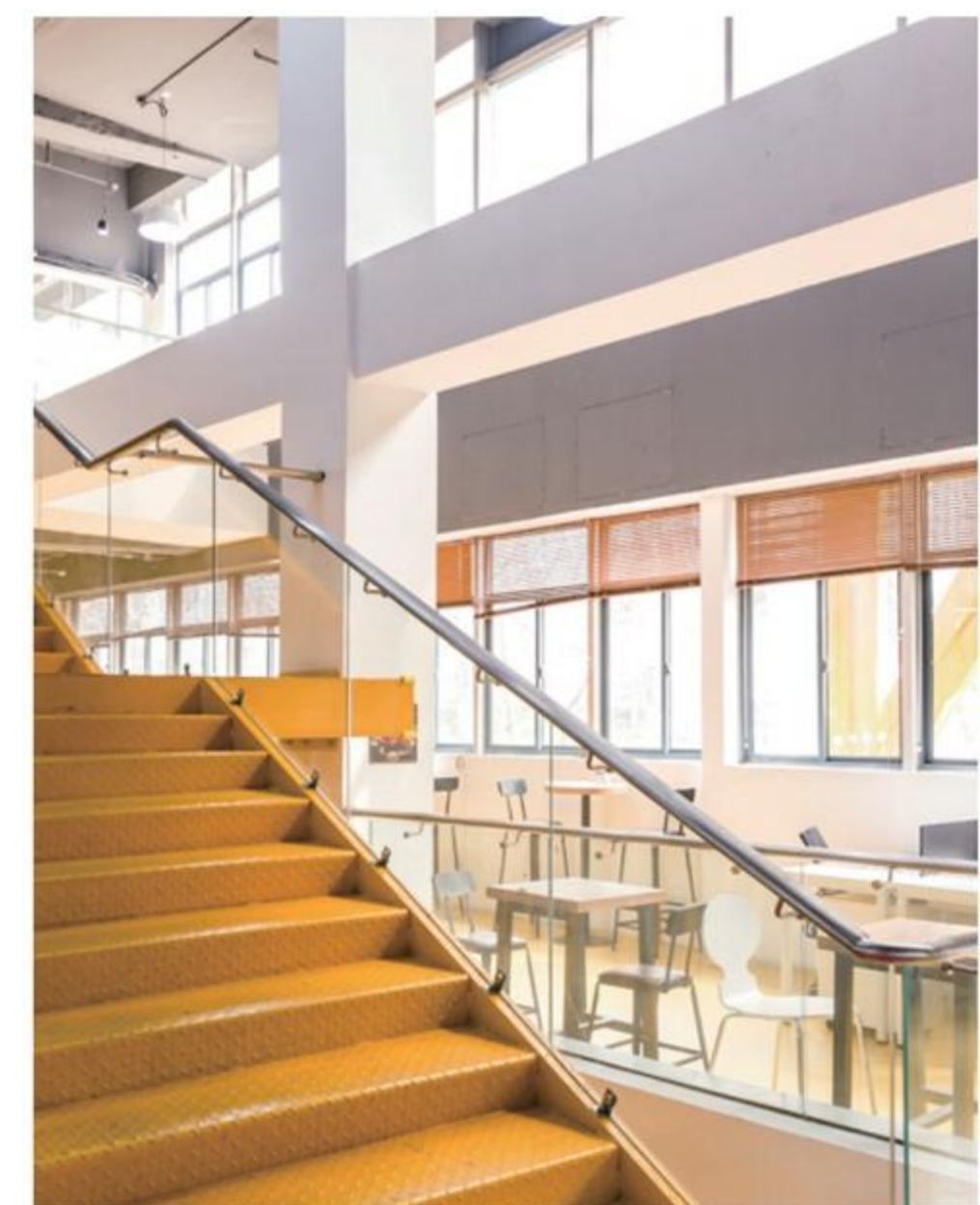
##### Bar in the subway

EPC174IP	Tubes square 10mm polished
EPC174IE	Tubes square 10mm satin
EPC175IP	Tubes square 15mm polished
EPC175IE	Tubes square 15mm satin
EPC152IP	Tubes square 40mm polished
EPC152IE	Tubes square 40mm satin

##### bar with 6mm

EPC176IP	Tubes square 10mm polished
EPC176IE	Tubes square 10mm satin
EPC177IP	Tubes square 15mm polished
EPC177IE	Tubes square 15mm satin
EPC154IP	Tubes square 40mm polished
EPC154IE	Tubes square 40mm satin

Foto: ambiente com corrimão Flex postes e componentes quadrados





## K730

304 316



Powerful die-cast handrail holder Ø50.8 mm



Flat cast plug for pipe Ø50.8 mm

ART.	Length mm	Holders qty	For steps qty
k730-10	1000	2	2,3
k730-13	1300	2	4
k730-17	1700	3	5
k730-23	2300	3	6,7
k730-33	3300	4	9,10
k730-37	3700	5	11
k730-43	4300	5	12,13

Reliable ready-made wall-mounted handrail, which is enough to install on the wall and the railing is ready! This model uses only high-quality cast parts, tested on thousands of objects, and a polished pipe with a mirror surface of 800 Grit. These wall-mounted handrails can be installed on the street, they will retain their original shine and will not rust. Especially for objects with medium and high traffic.

## K731

304 316



Hemispherical stamped plug for pipe Ø50.8mm



the wall holder of a hand-rail of Ø50.8mm "house-keeper"

ART.	Length mm	Holders qty	For steps qty
k731-10	1000	2	2,3
k731-13	1300	2	4
k731-17	1700	3	5
k731-23	2300	3	6,7
k731-33	3300	4	9,10
k731-37	3700	5	11
k731-43	4300	5	12,13

Option "Economy" wall grab bar. Also fully ready for wall mounting. Installation is possible only inside dry rooms with medium and low traffic.



Wall safety rail K731-33



Wall safety rail K730-23

The line be drawn the outline of different personality







### EPBRACKET-01

#### Material

SUS 304 Stainless Steel

Φ: 38.1 / 42.4 / 48.3 / 50.8

304 316



### EPBRACKET-02

#### Material

SUS 304 Stainless Steel

□: 10/15/40mm

304 316



### EPBRACKET-03

#### Material

SUS 304 Stainless Steel

Φ: 38.1 / 42.4 / 48.3 / 50.8

304 316



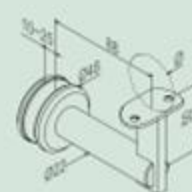
### EPBRACKET-04

#### Material

SUS 304 Stainless Steel

Φ: 38.1 / 42.4 / 48.3 / 50.8

304 316



### EPBRACKET-05

#### Material

SUS 304 Stainless Steel

G D

10-13.5 42.4

48.3

50.8

304 316



### EPBRACKET-06

#### Material

SUS 304 Stainless Steel

G D

10-13.5 42.4

48.3

50.8

304 316



### EPBRACKET-07

#### Material

SUS 304 Stainless Steel

G D

8-12 42.4

48.3

50.8

304 316



### EPBRACKET-08

#### Material

SUS 304 Stainless Steel

G D

8-12 42.4

48.3

50.8

304 316









# SPIGOT POST

SERIES





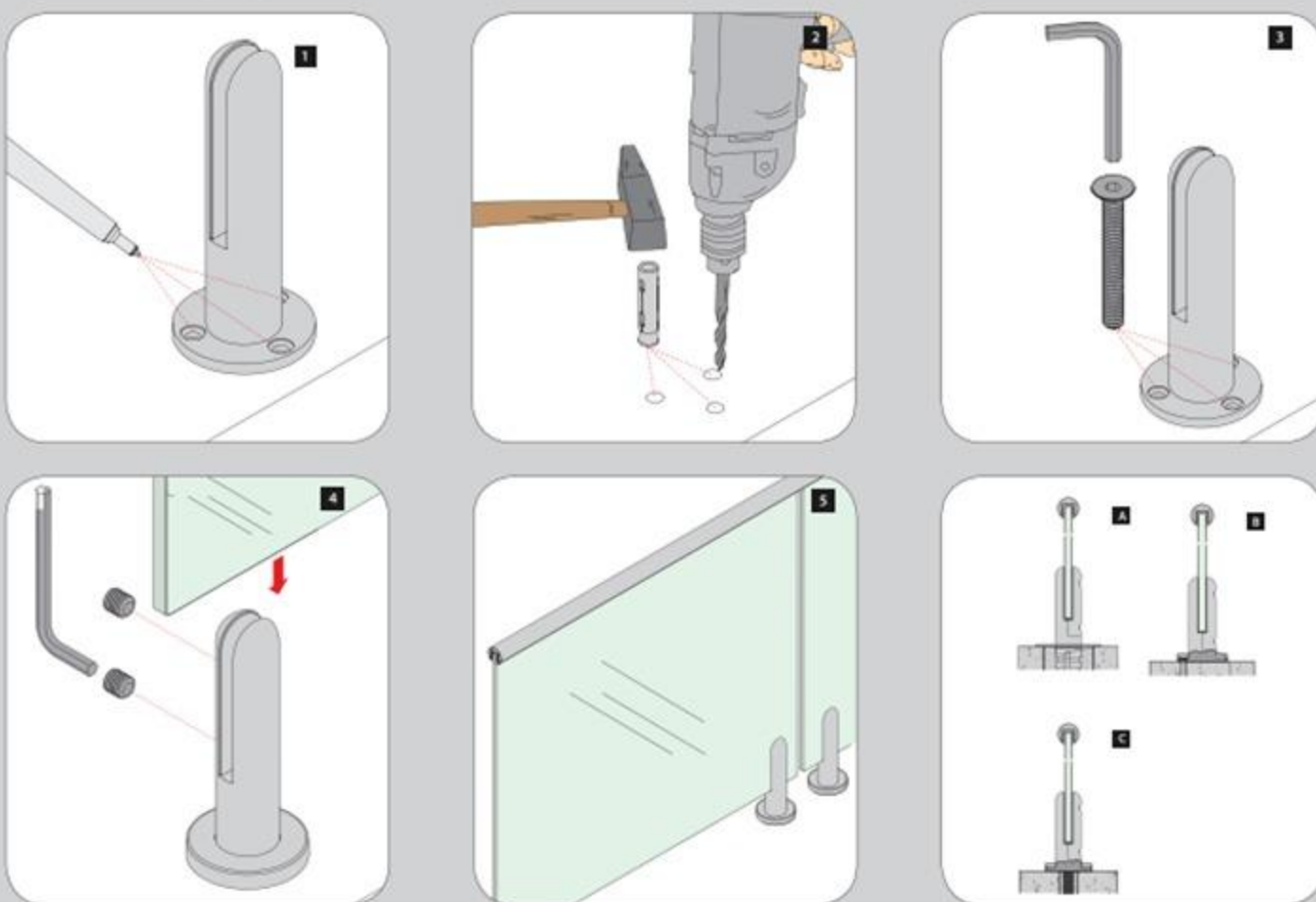
# FLEX ENCAIXE SPIGOT POST

The extended channel line glass railing is an innovative modular system featuring a large number of protective railings laminated with tempered glass sheets and a simple metal element **AISI 304** stainless steel. This combination guarantees the absolute prevalence of glass as an architectural element. The guardrail glass is fixed to a metal glass clamp pre-installed on the floor. A **42mm** grooved round tube can be nested in the upper part of the glass to help create an overall protection. The upper part of the glass can also be completely opened, and a **U-shaped** stainless steel plate is added for connection extension to make it integral. The system can be used freely in the attic stair railing, on the fence, the minimalist and clean decorative elements are vividly reflected. Unobstructed vision provides a very clean glass look, transparent and beautiful pieces that combine design and functionality and enhance the aesthetics and comfort of your home. They completely abandon the work of using welding mechanisms by cutting the pipes between each other and connecting these parts by using adhesives and/or rivets. This ensures quick installation and cleaning work, perfect completion, and fully meets the customer's work for delivery. It can be made of stainless steel for **AISI 304** indoor use or **AISI316** outdoor and swimming pool. It can be polished or brushed. You can also follow the customer's request to make other colors (gold, matt black, etc.)





Frameless railing spigot



EPSPIGOT-01

**Material** SUS 304 StainlessSteel **Thickness** 10-17.5mm Tempered glass

304



EPSPIGOT-02

**Material** SUS 304/316 StainlessSteel **Thickness** 10-17.5mm Tempered glass

304 316



EPSPIGOT-03

**Material** SUS 304/316 StainlessSteel **Thickness** 10-12mm Tempered glass

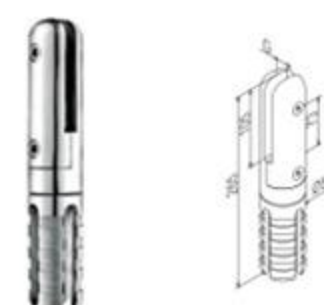
304 316



EPSPIGOT-04

**Material** SUS 304/316 StainlessSteel **Thickness** 10-12mm Tempered glass

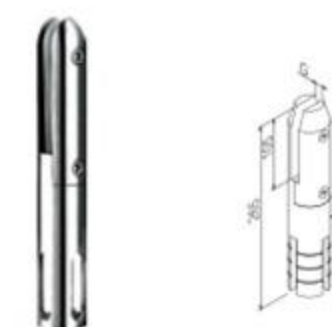
304 316



EPSPIGOT-05

**Material** SUS 304/316 StainlessSteel **Thickness** 10-13.5mm Tempered glass

304 316



EPSPIGOT-06

**Material** SUS 304/316 StainlessSteel **Thickness** 10-12mm Tempered glass

304 316



EPSPIGOT-07

**Material** SUS 304/316 StainlessSteel **Thickness** 10-12mm Tempered glass

304 316



EPSPIGOT-08

**Material** SUS 304/316 StainlessSteel **Thickness** 10-12mm Tempered glass

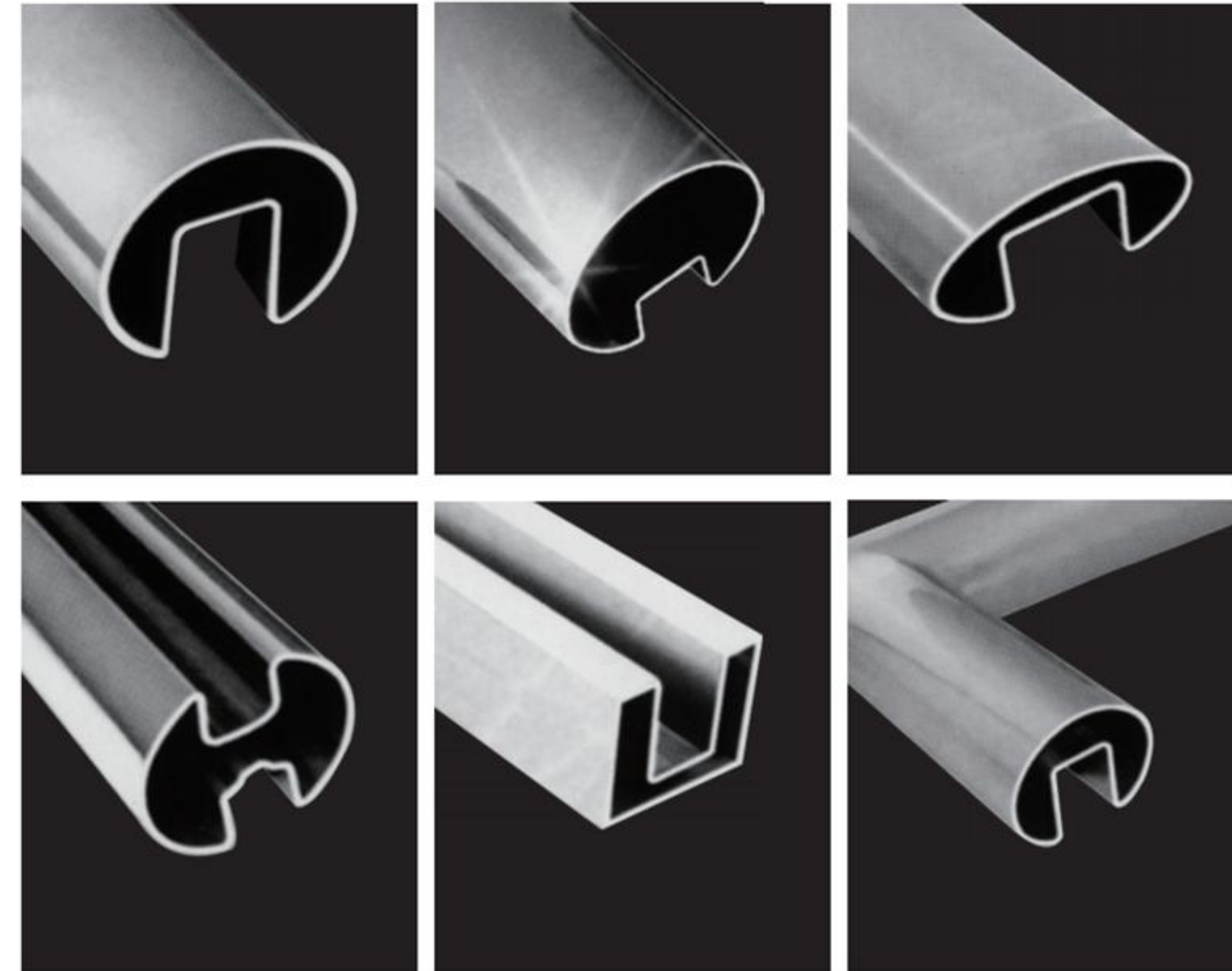
304 316







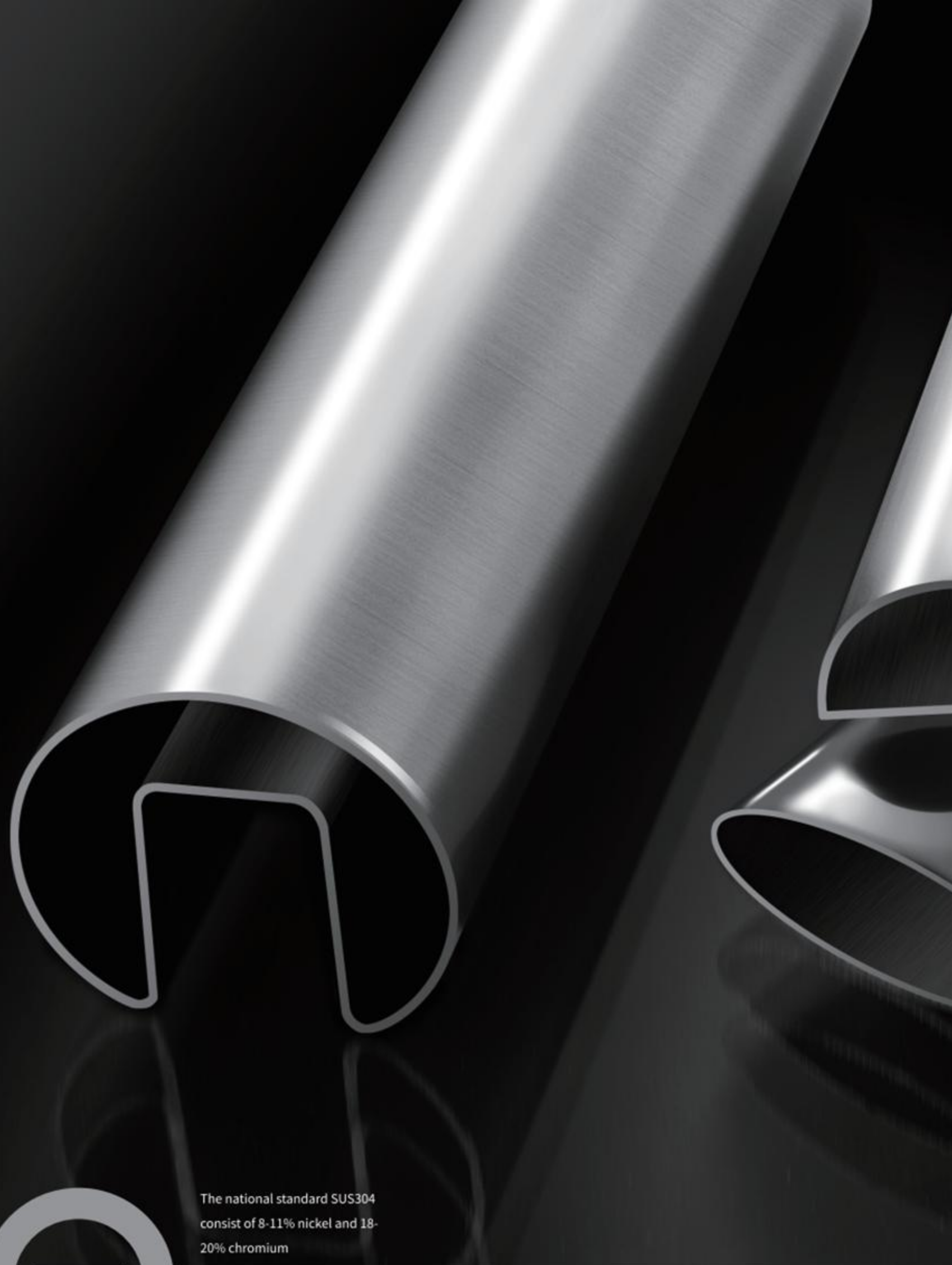
Release the creativity and inspiration in life



## Groove tube

Satin(SSS) /Polished(PSS) Stainless Steel

Groove tube of stainless steel (stainless steel single groove tube, stainless steel double groove tube), stainless steel square tube double tank, stainless steel round tube double tank, stainless steel elliptical double groove and so on, and irregular shape of the stainless steel pipe: trapezoidal tubes, mushroom and so on, groove tube is mainly used in holding glass, high-grade handrails, the irregular shape of the stainless steel pipe will make according to needs .



The national standard SUS304 consist of 8-11% nickel and 18-20% chromium



## Groove tube





**U-Groove**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**Groove Tube**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-01**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-05**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-06**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-07**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-02**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-03**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Joint-04**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Flange-01**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



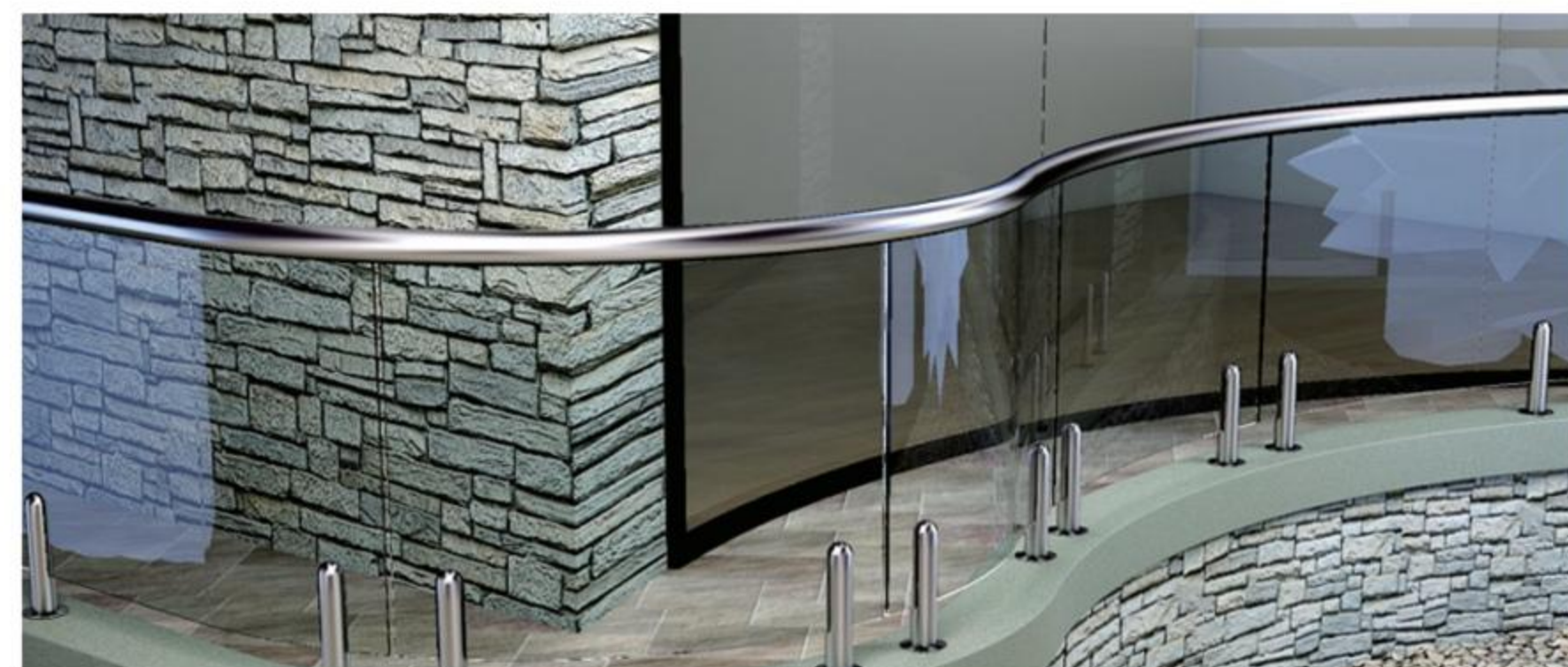
**GTA-Cover-01**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	



**GTA-Cover-02**

Material	Size
SUS 304 Stainless Steel	□ 40mm
304	





## Stock program of stainless steel pipes

The standard length of all pipes is 6 meters, unless otherwise specified. Some articles are supplied in sizes specially designed for stair railings. This helps to reduce waste when working on short and medium marches.

Since it is unprofitable to weld straight sections from cuttings, we have developed a special cut, supplied directly from the factory. Thanks to the optimally selected length of the factory pipe, you can earn an extra 10% on the same volume.

For example, pipes k807 Ø50.8mm and k805 Ø38.1mm are supplied at 3.8 meters. This length is specially designed for short flights.

in 10-11 steps. This pipe has the article number k807-38 or k805-38. The second pipe of a convenient length is 4.3 meters, for medium flights

in 12-13 steps, has the article number k807-43 and k805-43. All pipe products of our company are packed in standard briquettes with a certain number of pipes inside. For example, for pipes Ø50.8x1.5 standard packaging is 5 pieces, for pipes Ø38.1x1.5 - 10 pieces.

Article numbers k819 and k849 (pipe Ø38.1, used for uprights) is supplied not only in the standard length of 6 meters, but also cut in 1 meter in briquettes of 10 pieces.

ROUND TUBE							
STAINLESS STEEL GRADE	 Ø12x1.5mm	 Ø16x1.5mm	 Ø25x1.5mm	 Ø32x1.5mm	 Ø38x1.5mm	 Ø42x1.5mm	 Ø50x1.5mm
POLISHED	<b>AISI201</b>	K801-2 RK802	K803 K813,RK813	K850 RK850	K805,K815,RK815 K805-38(3.8M) K805-43(4.3M),K819(1M)	RK845-2	K802,K817,RK817 K807-38(3.8M) K807-43(4.3M)
	<b>AISI304</b>	K848-2p,RK852	K853,RK853 K840-2	RK850-2	RK879	K854,RK854 K842-2,K849-2(1M)	K855,RK855 K844-2
	<b>AISI304L (SUPER)</b>		K840			K842,K849(1M)	K844,K836
	<b>AISI316L (ULTRA)</b>		K860			K862	K864
GRINDED	<b>AISI201</b>	K801-3	K811-2		814-2		816-2
	<b>AISI304L (SUPER)</b>	K848-2s	K853-2		RK854-3		RK816

SHAPED TUBE							
STAINLESS STEEL GRADE	 15x15x1.5mm	 20x20x1.5mm	 40x20x1.5mm	 40x40x1.5mm	 60x40x1.5mm	 50x25x1.5mm	 50x50x1.5mm
POLISHED	<b>AISI201</b>			RK808,K808			
	<b>AISI304</b>	RK878	RK873	RK876	RK866	RK874	RK872
	<b>AISI304L (SUPER)</b>			K866			

### SPECIAL PIPE Ø25MM FOR FENCES IN KINDERGARTENS

When installing the railing, the vertical stand "bites" the perforated pipe, which simplifies installation and eliminates bounce.

It is enough two such tubes between the posts (even inside the axis of the fence, at least from the inside of the march), and you can safely fill the holes with equal sections of pipe Ø16 mm or Ø12 mm.

We have already taken care to make the pipe wall strong enough to provide the necessary elasticity, but at the same time we have retained the ability to install internal vertical elements of the stockade even at an angle.

#### Pipe for children's fences

**k831** For Filling Ø12

**k837** For Filling Ø16




#### RUBBER SEALS

Groove Size	Glass 10mm	Glass 12mm	Glass 16mm (8+8)	Glass 20mm (10+10)
<b>24x24</b>	k309	k301	k303	k310
<b>27x30</b>	k305	k306	k307	k308
<b>34x34</b>		k311		

## Custom tube

Each grooved tube is packed in an individual heavy-duty cardboard tube to maintain a perfect polished tube surface during transport from the factory to the installation site.

STAINLESS STEEL GRADE	 40x40x1.5mm	 Ø42.4x1.5mm	 Ø48.3x1.5mm	 40x60x1.5mm	 Ø50.8x1.5mm	 Ø60.3x1.5mm
<b>AISI201</b>		K820	K822,K822-2	K824-4 K824-5		K821-2
<b>AISI304</b>	K856	K820-3	K822-3	K824-2 K824-3	K828-2	K821-1
<b>AISI304L</b>			K822-4			
<b>AISI316L</b>		K827	K822-5			

## PIPES TO ORDER



Provide grooved round pipe classification according to requirements:

Diameter mm	Groove mm	Wall thickness mm
38.1	15x15	1.0-2.0
38.1	23.5x13	1.0-2.0
42.2	19.7x26.2	1.0-2.0
42.4	24x24	1.0-2.0
42.4	15x15	1.0-2.0
48.3	19.7x31.8	1.0-2.0
48.3	27x30	1.0-2.0
50.8	13.8x15	1.0-2.0
50.8	15x15	1.0-2.0
63.5	20x20	1.0-2.0
63.5	15x15	1.0-2.0
63.5	20x20	1.0-2.0
63.5	25x25	1.0-2.0
76	25x25	1.0-2.5
60.3	25x40	1.0-2.5



Classification requirements for oval tubes:

Diameter mm	Wall thickness mm
24.9x40	0.8-2.0
38x23	0.8-2.0
40x80	0.8-2.0
50x120	1.0-3.0
60x120	1.0-3.0
62x31	0.8-2.0
75x42	0.8-2.0
110x40	1.0-3.0



Rectangular tubes with grooves are available upon request:

Diameter mm	Groove mm	Wall thickness mm
50x50	20x20	1.35-2.0
40x40	20x20	1.35-2.0
31.8x31.8	20x20	1.35-2.0
38x25	20x15	1.35-2.0
71x26	15x12	1.35-2.0
75x45	28x35	1.35-2.0
60x40	15x15	1.35-2.0
60x40	24x24	1.35-2.0
140x50	25x20	1.35-2.0
85x40	25x13	1.35-2.0
85x40	25x20	1.35-2.0



Varieties of custom ellipses:

Diameter mm	Wall thickness mm
4.5x1.5	0.5-1.0
6x12	0.5-1.0
13x25	0.5-2.0
15.5x26	0.5-2.0
15.7x30.7	0.5-2.0
20x40	0.5-2.0
30x60	0.5-2.0
20x90	1.0-2.0
14x58	1.0-2.0

### ATTENTION!

A strip of stamps is prepared in our warehouse

**PRIMA (AISI 201)** **SUPER (AISI 304L)**  
**ULTRA (AISI 316L)**

Thickness 1.5 Mm. The Production Time For Any Profile Is Additional 14 Days. Non-Standard Thicknesses And Steel Grades An Additional 7 Days. New Tube Shapes With Groove For Additional 1 Month.



Provide elliptical pipe fittings with grooves on request:

Diameter mm	Groove mm	Wall thickness mm
87x65	25x30	1.35-2.0
80x40	24x24	1.35-2.0
110x40	33x26	1.35-2.0



Provide elliptical pipe fittings with grooves on request:

Diameter mm	Groove mm	Wall thickness mm
50.8	15x15	1.0-2.5
76.2	25x25	1.0-2.5



Varieties of custom stacks:

Diameter mm	Wall thickness mm
30x30	0.8-2.0
80x80	0.8-2.0



EP STAIR RAILING

Stair railing

# Standoffs Series

楼梯扶手



Let you enjoy delicate life



STAINLESS STEEL STANDOFFS



EPSTANDOFFS-01



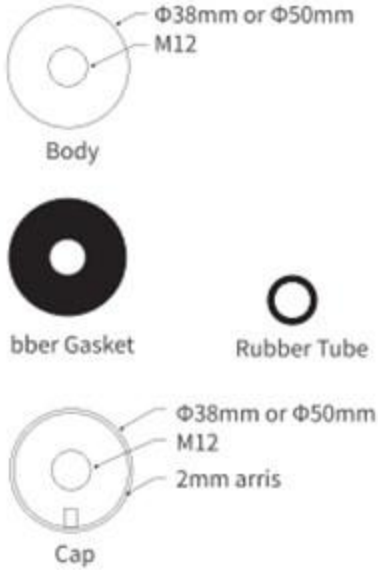
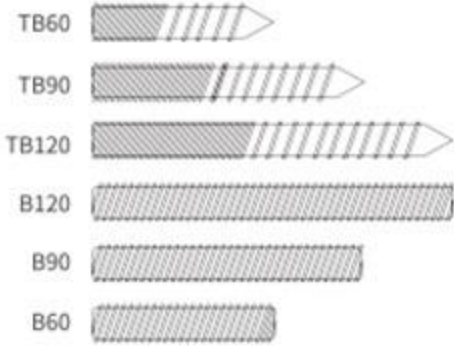
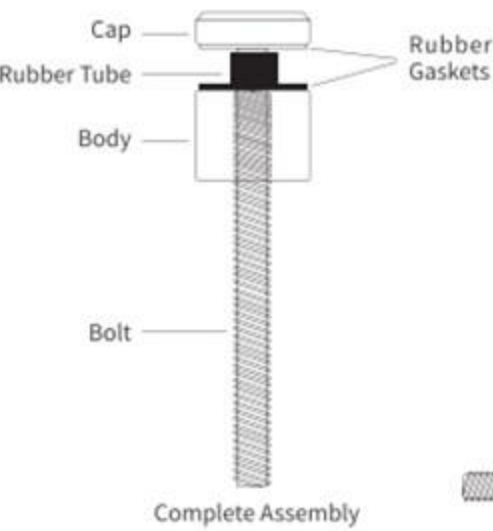
EPSTANDOFFS-01



EPSTANDOFFS-03



EPSTANDOFFS-04



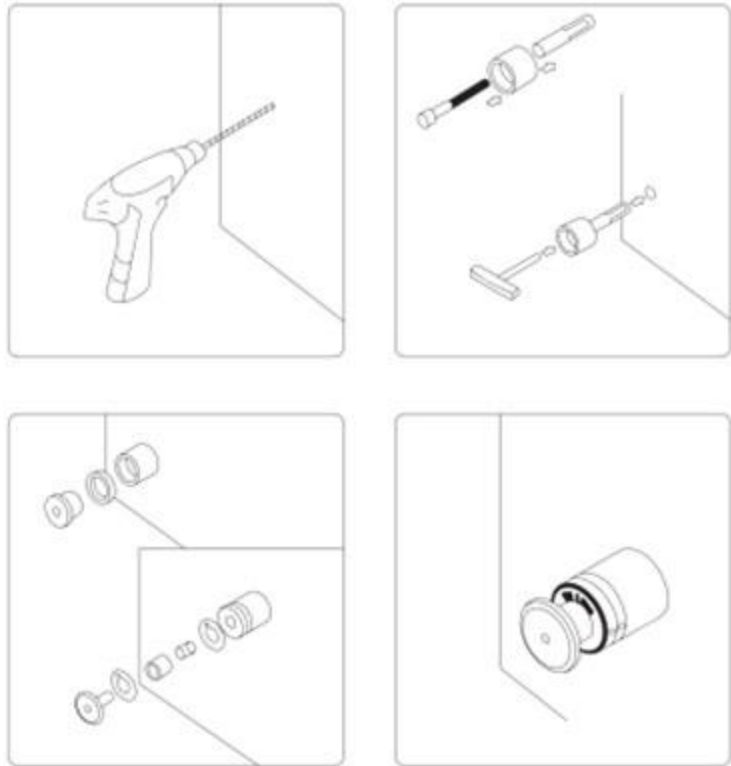
Product Description

Item	Diameter	Body Height	Cap Height
SOR3810	Φ38mm	10mm	10mm
SOR3820	Φ38mm	20mm	10mm
SOR3830	Φ38mm	30mm	10mm
SOR3840	Φ38mm	40mm	10mm
SOR3850	Φ38mm	50mm	10mm
SOR5010	Φ50mm	10mm	10mm
SOR5020	Φ50mm	20mm	10mm
SOR5030	Φ50mm	30mm	10mm
SOR5040	Φ50mm	40mm	10mm
SOR5050	Φ50mm	50mm	10mm

Matching Bolts

Item	B120	B90	B60	TB120	TB90	TB60
Specification	M12 x 120mm	M12 x 90mm	M12 x 60mm	M12 x 120mm	M12 x 90mm	M12 x 60mm

Generally standoffs are shipped with B120(per set of standoff with only one bolts which is M12\*120mm), if you require to be replaced another bolt please point out when place an order.





# ODM&OEM

Any kinds of **Stainless steel fittings and pipes**



You want

High Technology And Perfect After-Sale Service Always Provided For You.

🔗 VARIOUS SPECIES

🔗 HIGH QUALITY

🔗 SECURE AND PRACTICAL



## Railings and self-assembled railings

### 3 steps to automatically install railings and railings

#### STEP 1

Choose fence type

#### STEP 2

Measurement  
installation  
location

#### STEP 3

Install railing

Do you want to save your budget and assemble your own fences? In this section you will find all the information on how to choose the type of fences and accessories, how to independently measure the installation site, what tools you need and instructions for the installation process.



### STEP 1. SELECTING THE TYPE OF RAILINGS

In order to choose the type of fencing, you need to have a basic understanding of what basic elements it consists of. Also, you need to answer the questions, who will use the fences? If there are children in the house, then give preference to fences with screen-type glass, if you need to equip handrails for people with disabilities, then be sure to choose fences with a double handrail, if it is important to follow the general concept of the interior of the house, then take a closer look at fences with elements of oak, and if you don't want to like everyone else, then choose all-glass fences without racks. For flights of stairs, bounded on both sides by a wall, a handrail fixed to the wall - a wall handrail - is ideal.

Please note that there can be several modifications to the basic structures of fences, for example, fences with glass can be without a handrail at all, and the glass is not necessarily transparent. Also, the number of crossbars can vary from 2 to 5 and even 7.

### THE MAIN ELEMENTS OF THE FENCE

- Vertical racks for glass or crossbars or a profile for the installation of glass fencing
- Handrail, connectors and turns handrail, end of handrail
- Filling between racks: glass, cable, deadbolt or without filling



Fencing with crossbars



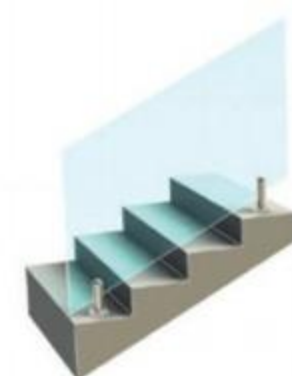
Double handrail guardrail



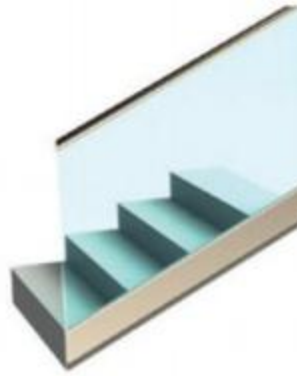
Wall-mounted handrail



Guardrail with glass and posts



Glass railing on mini-stands

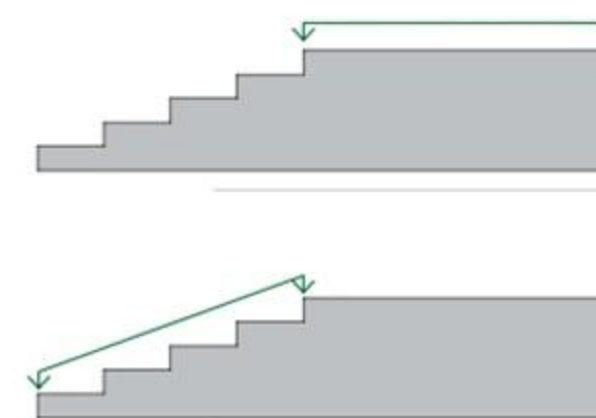


Glass railing without posts

## Railings and railings for self-assembly

### STEP 2. Measuring the location of the fence

The fence marking technology is based on measuring the length of the handrail. In this case, there are two types of barriers in geometry: straight and inclined. The first includes railings for balconies, pools, upper and lower landings of flights of stairs. To the second - directly the railings of the flights of stairs themselves, including the wall railings.



So, let's get down to measurements: Make a sketch of the staircase, the lower and upper platforms, if we are talking about the fence of the stairs. If you plan to install the fence in one plane, mark the dimensions of the straight sections to the pivot points on the plan. To find out the length of the handrail for an inclined march, it is necessary to measure the distance along the tops of the steps as shown in the figure and add 200 mm to the result obtained on each side for a turn or terminal bend.

If there is no tape measure at hand or the object is far from the measurer, you can calculate the approximate dimensions. So, the approximate dimensions of a standard step: height 150 mm and length 300 mm. Thus, the diagonal of the step (hypotenuse) is 330 mm. On the upper platform, the measurement must be made from the top of the step to the completion of the straight section of the platform or wall, depending on where the end of the structure comes.



#### ATTENTION!

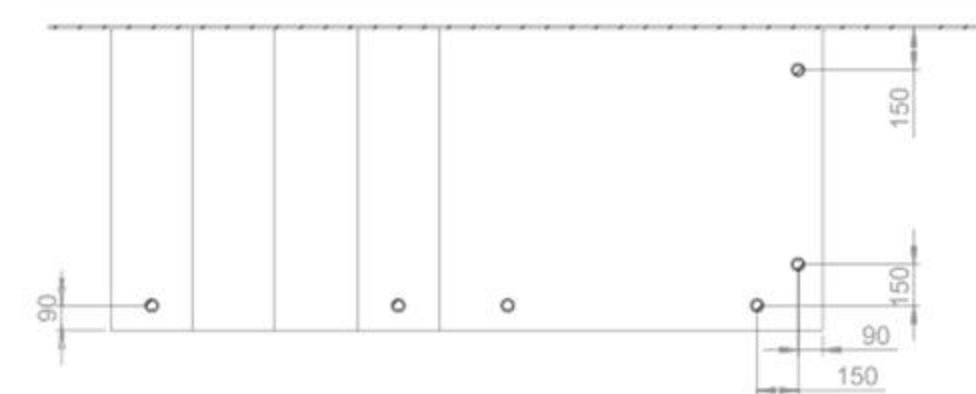
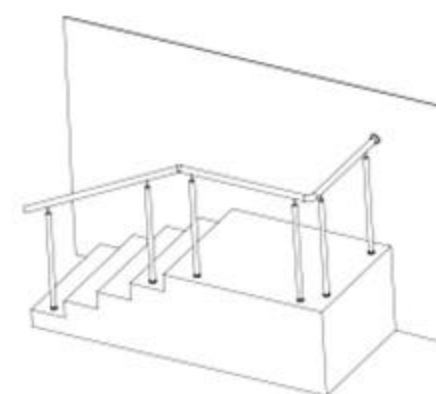
To avoid deflection of the handrail and increase the strength of the structure as a whole, it is recommended to make the distance between the posts no more than one meter.

Since the assembly of prefabricated fences is carried out without the use of welding, to strengthen the structure, we recommend fixing the fence rail to the wall using a special flange.

#### PLANNING THE NUMBER OF RACKS

On a straight section, the racks are planned as follows: places for the first and last rack are selected, and the distance between them is divided into equal segments (see the figure "Rack planning").

On a flight of stairs, with a standard step width of 300 mm, the racks are planned in two steps. The upper rack is planned for the first step after the platform at a distance of 1/2 step from the edge.



### Calculation of the need for crossbars

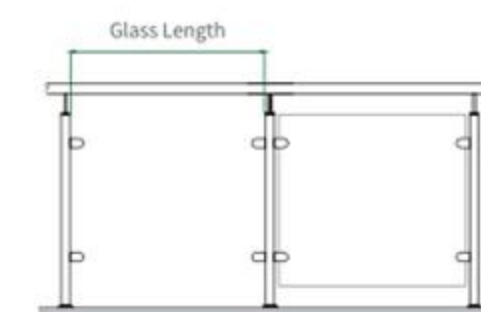
The number of crossbars depends on the rack configuration. In our company, ready-made racks are completed for fences with 2, 3 or 4 crossbars. To calculate the need for a 16 mm pipe for crossbars, subtract 150 mm from the length of the handrail and multiply its number of crossbars. Please note that the 16 mm pipe is supplied in multiples of six meters.

### Calculation of glasses

If you have a fencing project drawn by the designer, then glass can be ordered immediately according to the dimensions from the drawings. If there is no such project, then the calculation of the glasses is made after the installation of the railing posts.

### Calculation of straight glasses

"Straight" are the glasses that are installed as filling of the posts on straight horizontal sections of the fences. To calculate straight glass, you only need to calculate the length of the glass as described below, and the height for straight glass is recommended no more than 710 mm with a standard height of 950 mm for the railing. Please send the obtained glass dimensions in your application, we will produce glass for you and deliver it along with all accessories.





## CALCULATION OF OBLIQUE GLASS STAIRCASES

"Oblique" is the name of the glass, installed as filling of racks on the railing of inclined staircases.

For self-calculation of slanting glass, you need to measure:

- No. 1** Height and length of steps.
- No. 2** Obtuse angle between handrail and rack.
- No. 3** Distance between the posts.

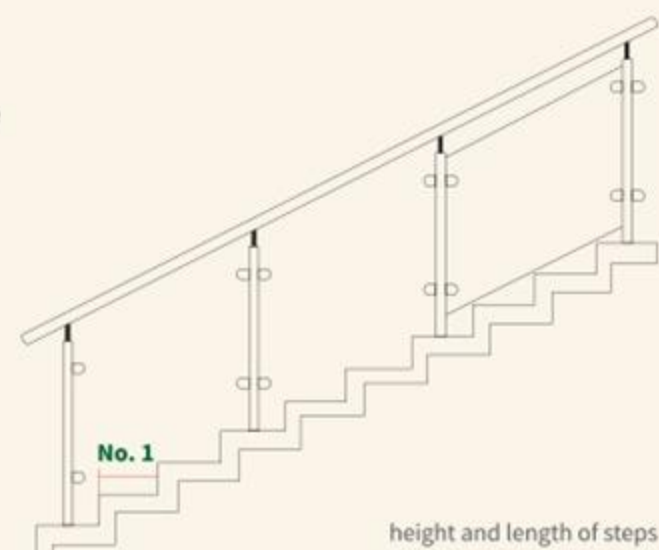
The second option is to pull the lace between the extreme posts of the fences and remove the glass templates from plywood or fiberboard.

## SKETCH A FLIGHT OF STAIRS

In the sketch, be sure to place the exact number of racks and steps between the racks. Based on this data, the length and height of the glass can be calculated.

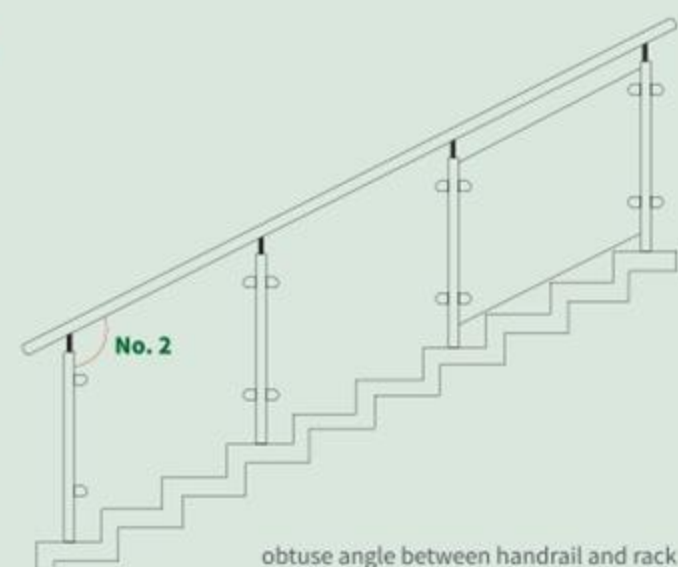
## MEASURING THE HEIGHT OF THE STEPS

Use a tape measure to measure the height of each step. Mark the resulting data on the sketch. Be sure to control the line of the bottom edge of the glass, it should be above the line of the steps.



## Obtuse angle measurement between handrail and rack

The obtuse angle of the handrail is measured using a protractor. Angle measurement must be made at each rack. To do this, the goniometer is applied to the rack, and its second part is applied to the handrail. Record the data on the sketch of the staircase.



## Calculating the length of the glass

Measure the distance between the posts. It is necessary to measure the distance from the rack to the rack at a right angle. Subtract 25 to 35 mm from the resulting distance, depending on the type of finished rack. You can get the exact information from the manager of the parts sales department.

Record the data in a sketch. After that, you should start measuring the distance to the next rack and so on until the end of the flight of stairs.

## Calculating glass height

With standard step sizes (height 150 mm and length 300 mm) the angle between the handrail and the post is 117°, for this angle the glass height is recommended to be 660 mm.

## Several sizes of glass height

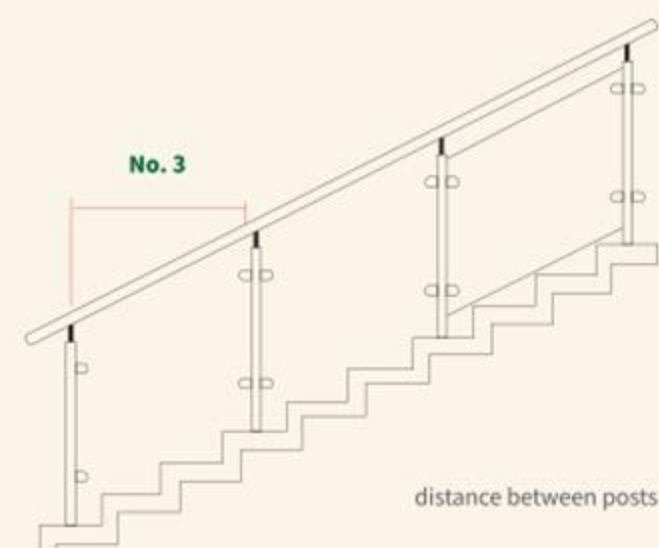
Depending on the angle of the handrail:

- at an angle from 107° to 114° the glass height is 680 mm
- at an angle from 114° to 120° glass height is 660 mm
- at an angle from 120° to 130° glass height is 635 mm

Downward, the height of the glass is determined at your discretion, but not less than the height of the glass holders plus 100 mm. For convenience, number the segments according to the number of distances between the posts and assign the numbering to the glasses.

## Measurement data

Now you have all the necessary data for ordering components for your future fencing. Just send all schemes with dimensions and the number of components to us by e-mail, indicating the type of fencing you have chosen.



## STEP 3. Installation

Before starting the installation, make sure you have all the necessary tools and consumables.

Look in the section "Tools and consumables" on page 72 and order the necessary items from the catalog - no need to waste time traveling to hardware stores, you can buy everything from us.



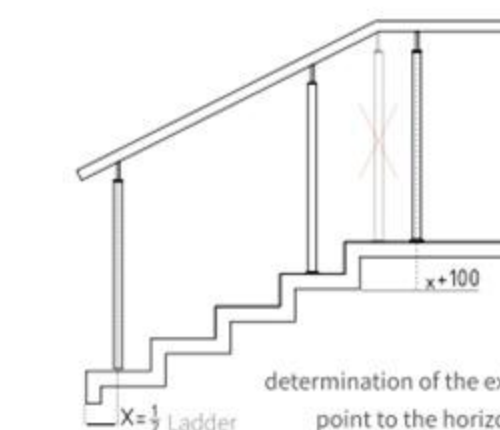
## Installing racks

The standard distance from the center of the rack to the edge of the landing or staircase should be at least 90 mm (see the figure for planning the racks in the "Measurement" section).

Types of rack attachment depending on the surface material:

- Dowel** - for installing flanges in concrete or brick.
- Anchor** - for installing the base of the posts in concrete. **Himanker** - for hollow structures.
- Capercaillie** - for fastening the rack flange to the wooden base of the step or floor.

Distribute the posts in two steps along the fence line, orienting them so that the waler holders or glass holder covers are facing the inside of the run. After that, fasten the first and last post to the mounting method of your choice and install the handrail on them. After installing the handrail, install and fix the rest of the posts according to their distribution at the points of contact between the handrail and the post. The post can be displaced from the center of the step - this can happen if the steps of the stairs have different depths and heights.



## Installation of a handrail

The flange is part of the rail structure that allows the handrail to be anchored to the wall. To find out where the flange is attached, rest the handrail lying on the rack lodges against the wall and circle the handrail with a marker. Then mount the flange into the wall using your chosen mounting method.

Place the handrail on the post holders and insert it into the flange. Then, using a marker, through the holes on the end caps of the posts, mark the handrail for drilling the holes. Remove the handrail and drill the holes. Be careful, drilling holes on a convex surface is difficult and dangerous. After drilling the holes, align them with the holes on the end caps and fix the handrail to the uprights of the straight section.

The exit point to the horizon is the intersection of the oblique and straight handrails. The handrail connection at this point is made by turning.

How to determine the exit point to the horizon, see the figure "Determining the exit point to the horizon". To secure the handrail on the bevel, turn it into a turn and mark the drilling points. In the same way as in the straight section, drill the holes and attach the handrail to the lodgements of the tips of the posts by one self-tapping screw from the obtuse corner.

Then detach the lodgements from the handpieces using a hexagon, remove the handrail and tighten the missing screws. After that, screw the handrail with the lodgment with hexagons back to the ends of the posts. Install an end elbow at the end of the handrail.



## INSTALLATION OF INFILL BETWEEN POSTS

### Installing the bolt

To install the bolt on the posts, it is enough to pass the tube into the standard hole of the bolt holder and fix it with a 1.5 mm hexagon from the k940 or k931 set. Install caps at the ends of the crossbars.

## Glass installation

To install the glass you will need the help of a second person and a special "suction cup" tool for glass k903. Remove the cover from the glass holders using a hexagon. Check that in the removed and in the mating part of the glass holders there are rubber bands that will securely hold the glass. Place the glass between the uprights and in turn install the counterparts of the glass holders in place, tightening the fasteners with a hexagon. After the glasses are installed, check if the upper edge of the glass is straight. You can adjust the height of the glass by loosening the fasteners in the glass holders, but it is important to hold the bottom edge of the glass to prevent it breaking.

If you have any problems with self-installation of fences, you can order a service of installation of fences in our company.



This year we have also added a handrail made of wood to our product range. The warehouse program is oak handrails. On request, we can make a handrail made of beech or ash. In addition to the round handrail, we can offer handrails with other sections. These handrails are also made to order. Standard handrail lengths are 2, 3, 3.5, 4, 5 meters. Oak is delivered spliced, not painted, not varnished.

On an individual order, we can tint an oak handrail according to your sample, mill and produce a handrail of non-standard length.

Fittings for a plastic handrail are used for turns and connections of an Ø49mm oak handrail. The turns can be made to the sectors of the F-0343 wooden handrail by cutting the bagel to the desired angle: 45, 92, 125 or any other degree. You can make turns and metal turns k259, attaching them to self-tapping screws M-0902.

Plastic handrails are in demand in cases where shiny stainless steel handrails do not fit in design, and the operating features or budgetary constraints do not allow making handrails from natural wood. The colors of the plastic handrails simulate the texture of wood.

The plastic handrail can be radially bent with the k942 thermal sleeve. Having warmed up to the core, the plastic handrail loses its rigidity and can easily be laid on a spiral staircase or bent when cornering.

All fittings for plastic handrail k260, k259, k053 have 2 holes. With the help of these holes, both pieces of the handrail are joined to each other with self-tapping screws M-0902.



**k891** Plastic handrail, Oak color, Ø49mm, Length 4m

**k893** Plastic handrail, White, Ø49mm, Length 4m

**k894** Plastic handrail, Alder color, Ø49mm, Length 4m

**k895** Plastic handrail, Mahogany, Ø49mm, Length 4m

**k897** Plastic handrail, Wenger, Ø49mm, Length 4m

**k899** Plastic handrail, Bleached Oak, Ø49mm, Length 4m

**k892** Plastic handrail, Black, Ø49mm, Length 4m



**K380**

**Technical**

360 degree wooden segment Ø49 (bagel) oak for turning the handrail to the desired angle



**Φ-0842**

**Technical**

spherical wooden plug Ø50mm



**Φ-8401**

**Technical**

Handrail painting in color from the catalog



**Assortment of round, unpainted wooden handrails d.49mm:**

- Φ-1662 - oak Ø49mm x 2.0m
- Φ-1663 - oak Ø49mm x 3.0m
- Φ-1668 - oak Ø49mm x 3.5m
- Φ-1664 - oak Ø49mm x 4.0m
- Φ-1665 - oak Ø49mm x 5.0m



**Beech handrails:**

- Φ-1612 - beech Ø49mm x 2.0m
- Φ-1613 - beech Ø49mm x 3.0m
- Φ-1618 - beech Ø49mm x 3.5m
- F-1614 - beech Ø49mm x 4.0m
- Φ-1615 - beech Ø49mm x 5.0m



**Ash handrails:**

- Φ-1632 - ash-tree Ø49mm x 2.0m
- Φ-1633 - ash-tree Ø49mm x 3.0m
- Φ-1638 - ash-tree Ø49mm x 3.5m
- Φ-1634 - ash-tree Ø49mm x 4.0m
- Φ-1635 - ash-tree Ø49mm x 5.0m



**Services:**

- F-8401 - painting the handrail in color according to the catalog
- F-8411 - painting the handrail in color according to the sample
- F-8421 - milling a groove for glass or lighting in a wooden handrail
- F-8451 - splicing a round handrail into a handrail arbitrary length (up to 8m)



**K259**

**Technical**

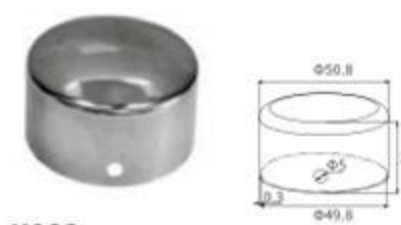
90 degree swivel for round plastic handrail



**K260/K260-2**

**Technical**

Connector for round plastic handrail



**K083**

**Technical**

Wooden handrail plug Ø49 mm



**K066**

**Technical**

Handrail holder Ø50.8mm, extended with grip



**K379**

**Technical**

Stainless steel connecting ring for wooden handrail polished 12mm



**K022**

**Technical**

Wall-mounted flange for wood or plastic handrail



**K094**

**Technical**

Shortened wall flange for wood or plastic handrail



**Φ-0681**

**Technical**

Gray plastic handrail 40x4mm, width 2m



**K942/K942-2/K942-3**

**Technical**

Thermo cover for heating plastic handrails (1 meter, 4 meters, 2 meters)



**K053-5**

**Technical**

Rotation of the wooden / plastic handrail ball for Ø49 mm x 0.4 mm



**K053-4**

**Technical**

Rotation of the wooden / plastic handrail ball for Ø49 mm x 0.8 mm



**K053-2**

**Technical**

Swivel wooden / plastic handrail, ball for Ø50.8 mm x 0.4 mm,



**K234-2**

**Technical**

Wall-mounted cast wooden handrail holder with cradle





People  
/  
Community

The combination of art  
and living



**OEM&ODM EXPORT**  
**SINCE 1997**

Any kinds of

Stainless steel fittings and pipes





HPS-01



HPS-02



HPS-03



HPS-04



HPS-05



HPS-06





#### HP870-11

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316



#### HP870-13

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316



#### HP870-12

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316



#### HP870-14

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316







### HP870-15

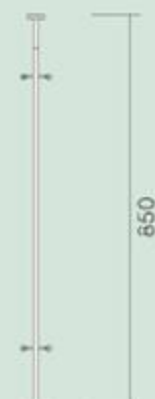
#### Material

SUS 304 Stainless Steel

#### Size

A	B	C	H
232	150	188	870

304 316



### HP870-16

#### Material

SUS 304 Stainless Steel

#### Size

A	B	C	H
232	150	188	870

304 316



### HP870-17

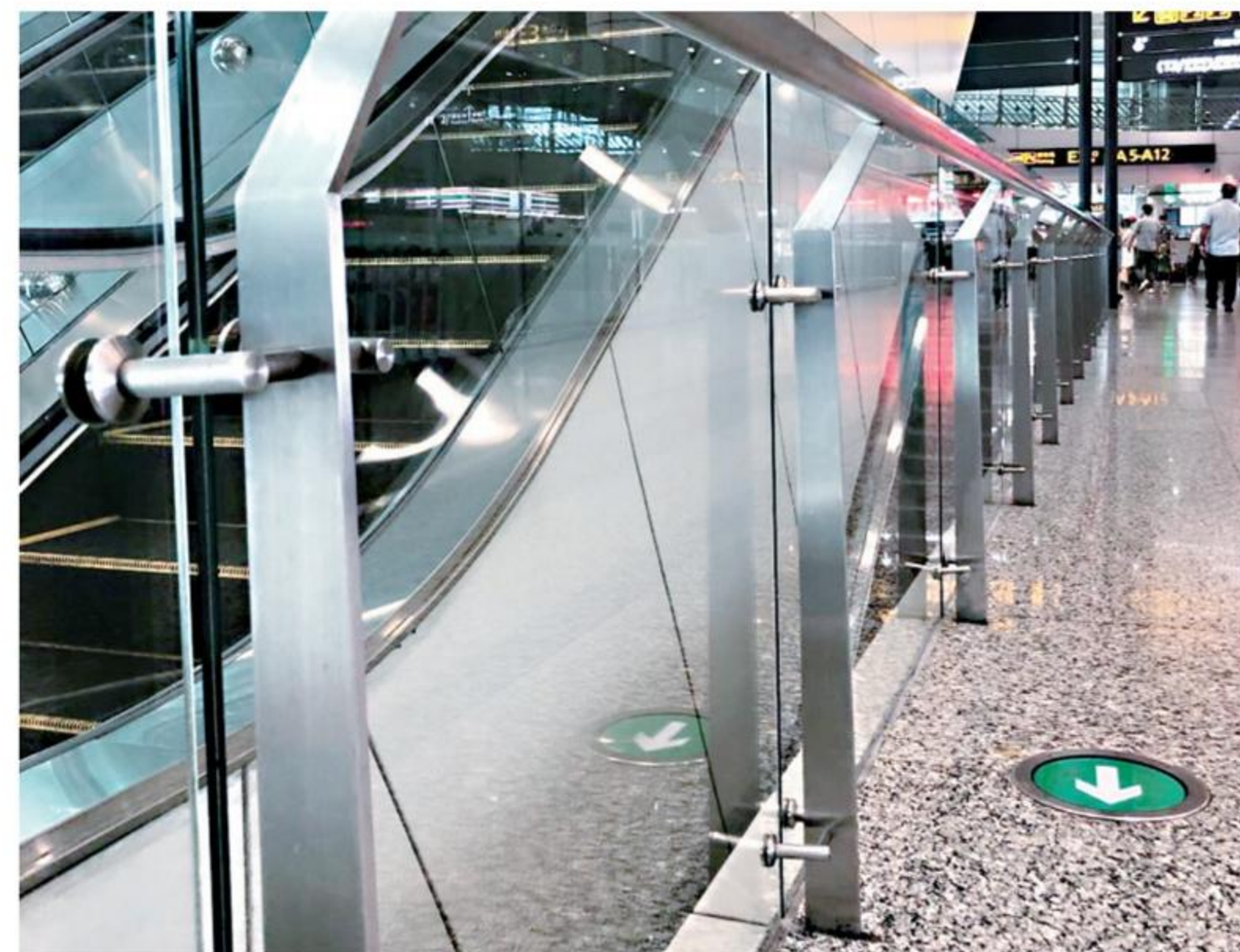
#### Material

SUS 304 Stainless Steel

#### Size

A	B	C	H
232	150	188	870

304 316







#### HP870-18

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316



#### HP870-20

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316



#### HP870-19

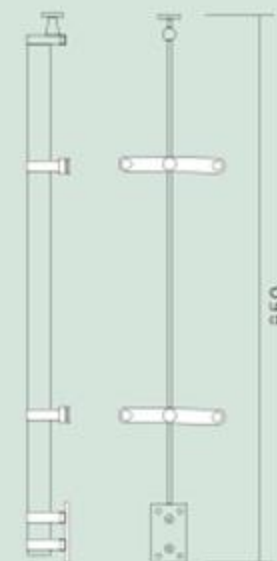
##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316



#### HP870-21

##### Material

SUS 304 Stainless Steel

##### Size

A	B	C	H
232	150	188	870

304 316







When all the luxury is removed its unearthly beauties stand out



### HP870-22

#### Material

SUS 304 Stainless Steel

#### Size

A	B	C	H
232	150	188	870

304 316



### HP870-23

#### Material

SUS 304 Stainless Steel

#### Size

A	B	C	H
232	150	188	870

304 316



### HP870-24

#### Material

SUS 304 Stainless Steel

#### Size

A	B	C	H
232	150	188	870

304 316







## K601 Aluminum Profile

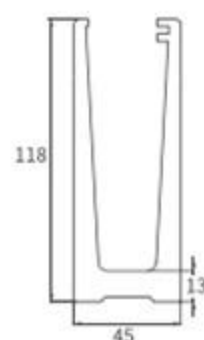
Incredible power with a thickness of only 45mm

A series of thin and powerful K601 aluminum clamping profiles.

K601-2T - ANODIZED lightening clamp profile designs. Thanks to internal stiffeners, lightweight the overall profile design is 2% less rigid than the prototype profile K601-3. The profile is designed for loads of 2kN (200kg / mp).

K601-3 - not anodized clamping profile. Specially designed for lateral mounting from the end of the flight of stairs. As a decor, stainless steel lining lengths are suitable 2 meters. In order to avoid a tedious fit in place at corners, use K601- stainless steel linings 22, and on the back K601-23. Pads are glued to quality double-sided tape F-1465 along the entire length. The profile is designed for 2kN.

K601-4 - non-anodized clamping profile lightweight constructions



Dimensions of all K601 profiles are the same. The only difference is surfaces and profile length



K601-4

### Technical Parameter

Aluminum clamping profile 118x45 mm  
For carrier glass 10-16 mm,  
Not anodized -matte, length 6 meters,  
Lightweight



K601-2T

### Technical Parameter

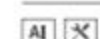
Aluminum clamping profile 118x45 mm  
For carrier glass 10-16 mm,  
Anodized, matte, length 6 meters,  
Lightweight



K601-3

### Technical Parameter

Profile aluminum tightening 118x45 mm  
For carrier glass 10-16 mm,  
Not anodized, length 6 meters



## TESTS OF 601-2T ALUMINUM PROFILE



Strength tests of the clamping profile k601-2, for compliance with the requirements of GOST R 53254-2009 were carried out on a specially made stand.

## THE K601-2 CLAMPING PROFILE IS RECOMMENDED FOR USE IN FENCES:

**41 kg** Public buildings and structures; Administrative buildings; Residential buildings; Apartment buildings.

The requirement of regulatory documents for such fences is 30 kg.

**80 kg** Stairs; Balconies; Roofs and roofs.

The requirement of regulatory documents for such fences is 54 kg.

**120 kg** Stairs; Balconies; Roofs and roofs; Attic rooms; In administrative, public and residential buildings.

The requirement of regulatory documents for such fences is -70 kg.

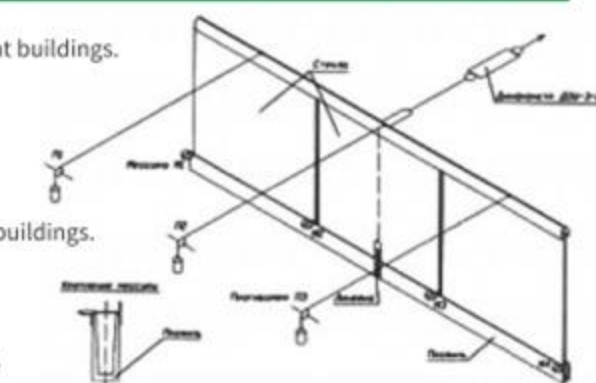
**160 kg** In apartments of residential buildings; In the wards of hospitals and sanatoriums; In the sleeping rooms of kindergartens and boarding schools; In residential premises of rest houses, dormitories and hotels; To the terraces.

**201 kg** In the classrooms of educational institutions; In reading rooms; On the platforms of the stations; On balconies and on loggias; In the lobby, lobby, corridors, stairs with a lot of people.

**302 kg** In the dining rooms; At the site of maintenance and repair of equipment in industrial Premises; In the halls of meetings and meetings, waiting, visual and concert, sports.

**410 kg** In all types of premises and at any facilities where fences are required. Both indoors and outdoors.

Protections that can withstand a load of 400 kg, according to the requirements of regulatory documents, can be used on all possible operating conditions.



## Test results

The movement of the top of the fence depending on the level of horizontal load is shown in graph 1. It is noteworthy that the vertices of all three glasses deviate approximately the same. It shows that the steel handrail. It performs a unifying function well, even with an excessively concentrated horizontal load of 7500 H.

Of greatest interest is the work of the profile - what is its disclosure at high horizontal loads. Chart 2 shows corresponding curves. As expected, the greatest disclosure was recorded at the borders of the middle glass. However in general, the disclosure of the profile and at its ends is slightly less. This suggests that the horizontal force applied in the center is good distributed over the entire length of the profile.

The fact that the test procedure provided for a load return to zero after each stage of loading made it possible to assess in which the work stage of the material is the profile.

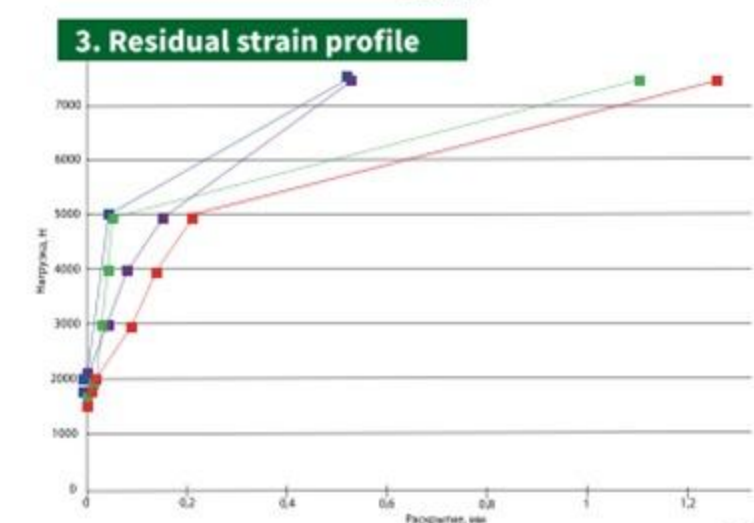
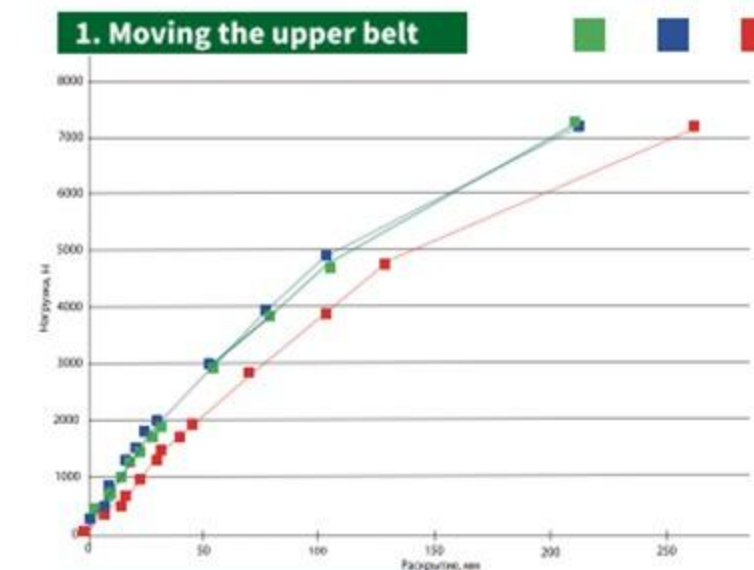
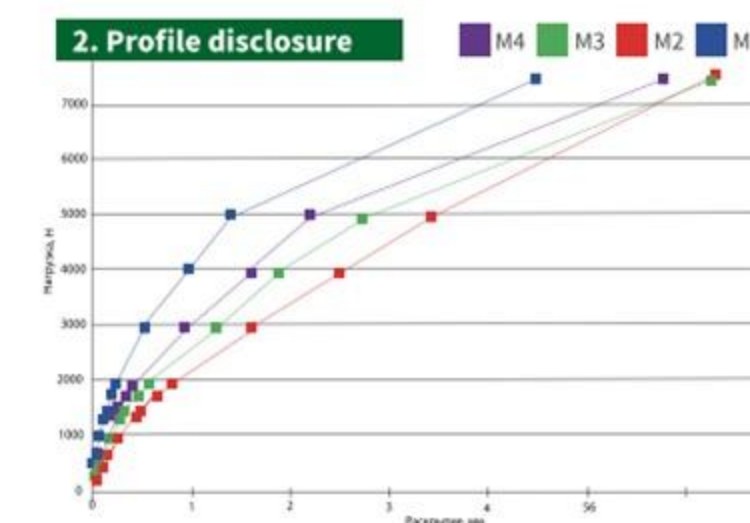
Figure 3 shows the curves of the dependence of the residual deformations of the disclosure of the profile during load shedding on the horizontal strength

when building it during the experiment. It is seen that with unloading up to 5000 N (rear maximum load tests) residual profile disclosure in its average sections amounted to 0.2 mm. This condition was after unloading 7500 H. The readings of the instruments practically did not change in compared to those in graph 3. This indicates stability of the profile, that the material profile to maximum loads it works mainly in the elastic stage.

Measurements were taken during the tests of the separation of the profile from bases (in the middle section) showed that the separation at load 5000 H left 0.3 mm, and under overload 7500 N reached 1 mm. This is an indicator that, in contrast to the one meter test three-meter profile railings fixed more reliably - to work on a focused horizontal force includes a larger number of bolts.

Tests have shown that railing glass fencing K601-215-3 m passed the test of horizontal load, and in accordance with GOST R 53254-2009 can be used.

The test results are presented in graphical form on graphs:





## New in our assortment: T100 PROFILE

The design of these clamping systems differs significantly from those on the market. Main technical the solution in these systems was to increase the height of the pressure wedge. In similar profiles that already exist on the market, the height of the clamping wedge is 50-55mm, while in the t100 profile - 80 mm.

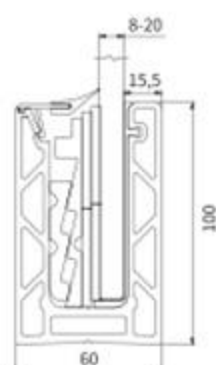
Also, one of the main features of the t100 profile is the possibility of using 20mm glasses and 10 + 10mm triplex, than other analogs of aluminum profiles cannot boast.



**T100-1**

**Technical Parameter**

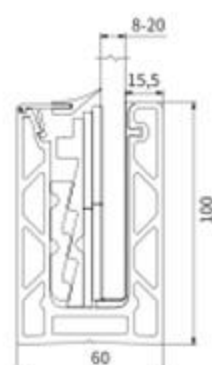
Anodized aluminum clamping profile set for glass 10-20mm and 5 + 5-10 + 10mm, 100x60mm, length 1 meter



**T100-1**

**Technical Parameter**

Profile set of aluminum clamping non-anodized for glass 10-20mm and 5 + 5-10 + 10mm, 100x60mm, length 1 meter



**Concrete top mount**



**Partial mount deepening in concrete**



**Concrete side mount**



**K601-05 K601-05G**

**Technical Parameter**

Universal sealing T-shaped elastic for profile



**K601-06 K601-06G**

**Technical Parameter**

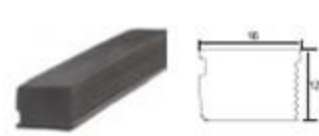
Front sealing gum 18x12 mm for glass 10 mm



**K601-07 K601-07G**

**Technical Parameter**

Facial rubber band 12x12 mm for 12 mm glass or triplex 6 + 6 mm



**K601-08 K601-08G**

**Technical Parameter**

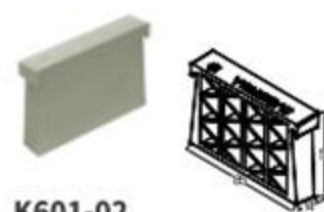
Facial rubber band 16x12 mm for glass 16 mm or triplex 8 + 8 mm



**K601-01**

**Technical Parameter**

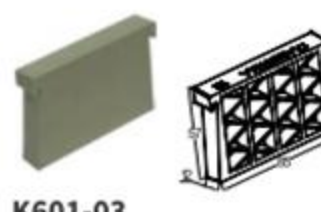
L-spacer 29x95 mm for profile 118x45 mm



**K601-02**

**Technical Parameter**

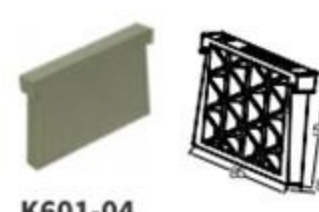
Wedge of expansion 14x60 mm for glass 10 mm



**K601-03**

**Technical Parameter**

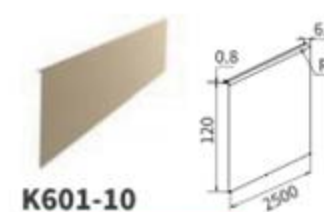
Wedge of expansion 12x60 mm for glass 12 mm or triplex 6 + 6 mm



**K601-04**

**Technical Parameter**

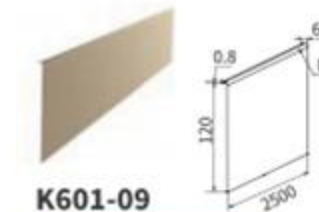
Wedge of expansion 8x60 mm for glass 16 mm or triplex 8 + 8 mm



**K601-10**

**Technical Parameter**

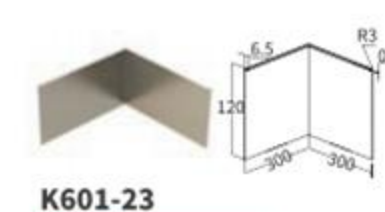
Polished trim stainless steel 2 m (suitable for any glass thickness)



**K601-09**

**Technical Parameter**

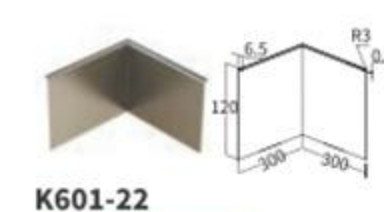
Brushed overlay stainless steel 2 m (suitable for any glass thickness)



**K601-23**

**Technical Parameter**

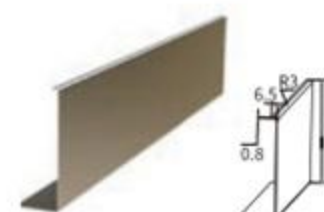
Back corner pad 90 degrees from thin section, stainless steel 300x300mm on k601 profile for any glass thickness



**K601-22**

**Technical Parameter**

Corner Inner Facial overlay 90 degrees from thin section stainless steel 300x300mm per profile k601 for glass 10-12 mm



**K601-24**

**Technical Parameter**

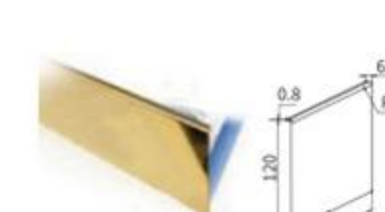
Back pad for fastening polished concrete side stainless steel 1.0 mm length 2 m



**K601-25**

**Technical Parameter**

Back pad for fastening polished concrete side stainless steel 1.0 mm length 2 m



**K601-10-88**

**Technical Parameter**

Gold faceplate 2000 mm on profile k601, for glass 10-12



**K601-12**

**Technical Parameter**

End cap on the k601 profile



**O-0019**

**Technical Parameter**

Case presenter with k601 profile, with 12mm glass and a pipe with a groove d.42 (can be rented)



**Φ-1462**

**Technical Parameter**

3M double-sided tape for attaching stainless steel linings



**K601-18 K601-16**

**Technical Parameter**

The expansion bolt shield with a FUR screw of 14x240 mm/14x100 mm



**K601-19-120**

**Technical Parameter**

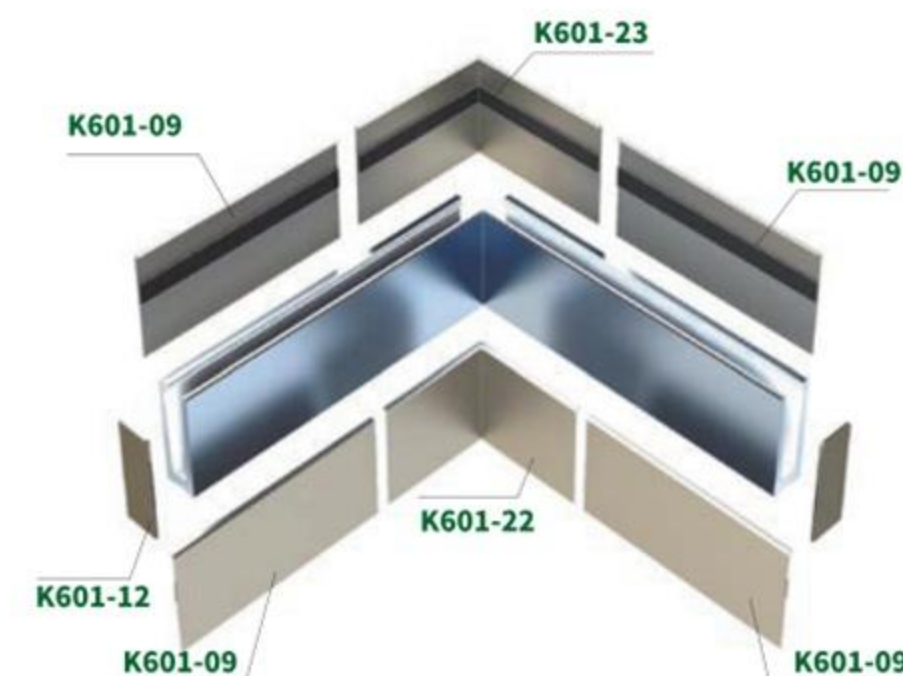
Wedge of expansion 8x60 mm for glass 16 mm or triplex 8 + 8 mm



**K601-20**

**Technical Parameter**

- The key for dismantling, driving in wedges and installing gum in the k601 profile k601
- For quick installation and removal of wedges, we recommend that you purchase a special tool k601-20. It is convenient to use for driving wedges and for removing wedges if glass is to be removed.



**K601-19-120 K601-24**

From the front and back side of the profile to double-sided tape F-1465 decorative k601-09 cover plates are installed. The pads are the same in size and can be installed both on the front and on the back. For more convenient cornering, you can additionally order corner pads k601-22 and k601-23.





#### HP1150-01

**Material**  
SUS 304 Stainless Steel

**Finishes**  
Titanium

304



#### HP1150-02

**Material**  
SUS 304 Stainless Steel

**Finishes**  
Satin Stainless Steel

304

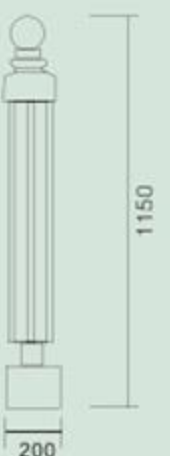


#### HP1150-03

**Material**  
SUS 304 Stainless Steel

**Finishes**  
Titanium

304



#### HP1150-04

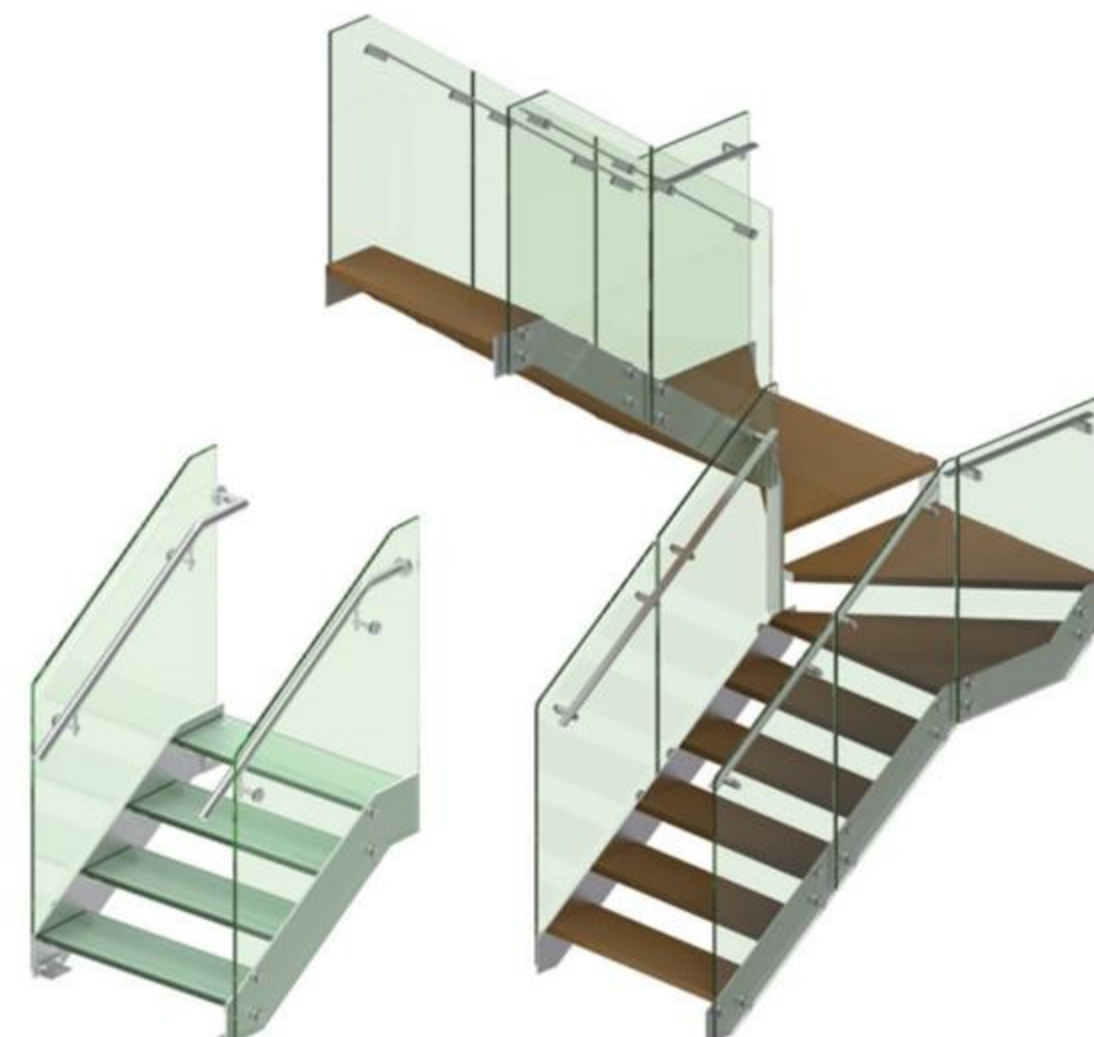
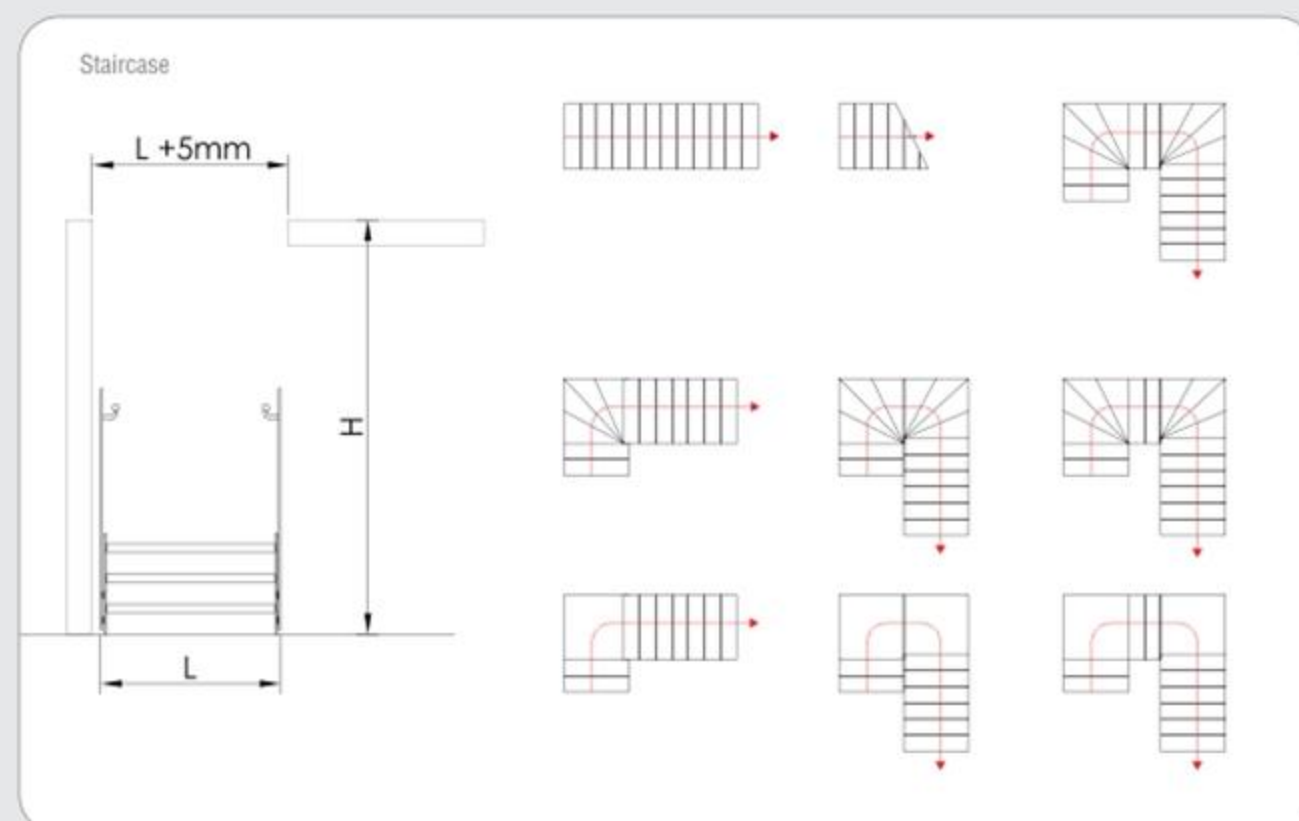
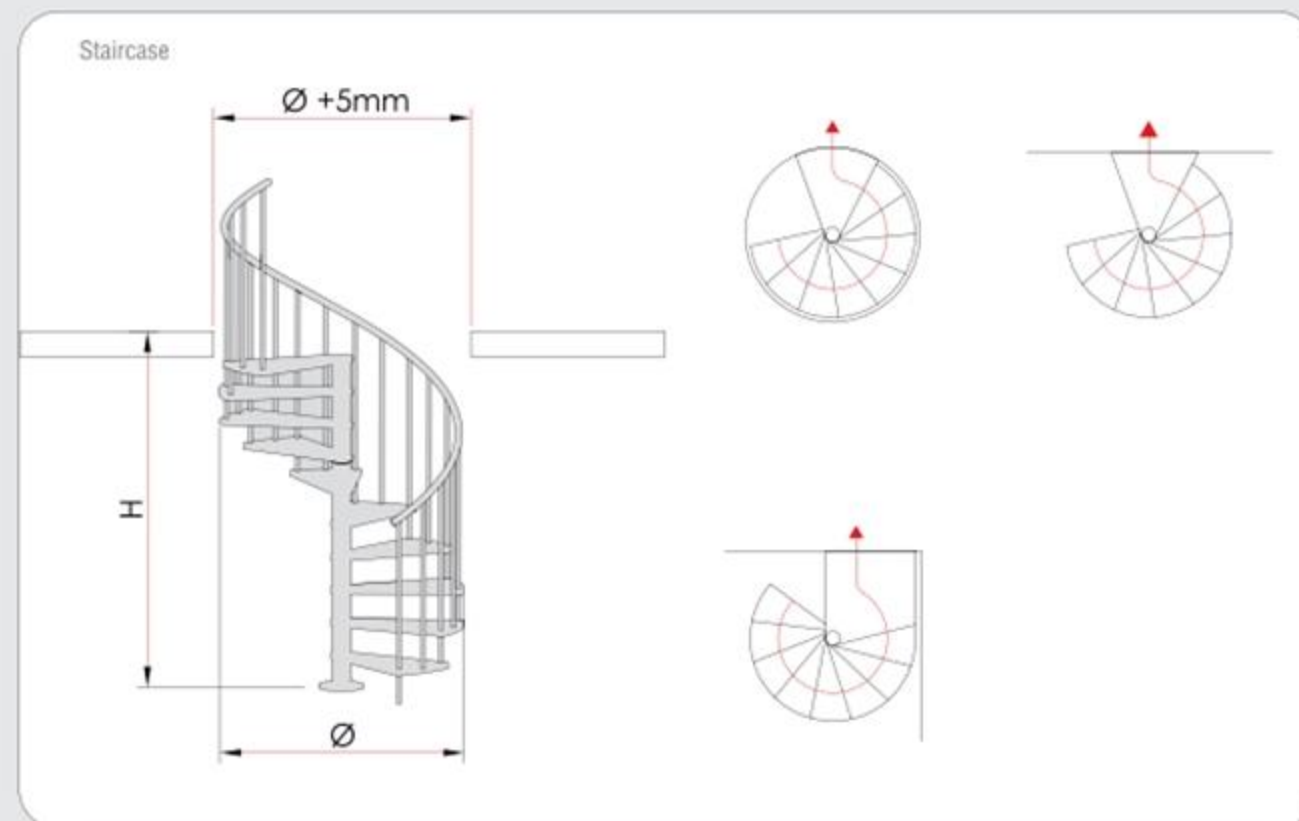
**Material**  
SUS 304 Stainless Steel

**Finishes**  
Satin Stainless Steel

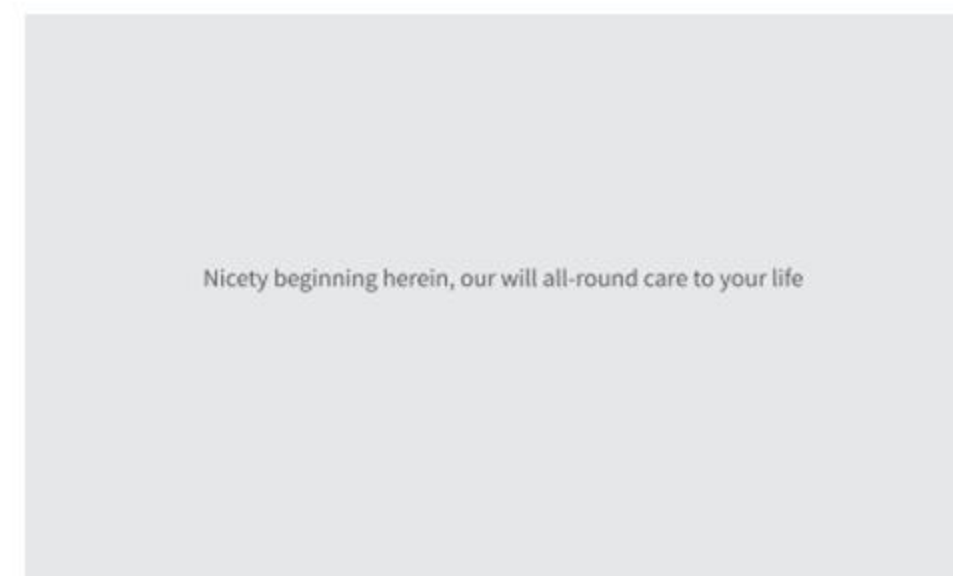
304











Extension of a natural and comfortable noble temperament





## E-PAI INOX HARDWARE CO., LTD.

Factory Add: No.2, 3 Road, Heshun Xiaxi Industrial zone, Lishui Town, Nanhai District, Foshan City, Guangdong Province.  
Phone/Fax: +86 757 85751892 [www.epai-hardware.com](http://www.epai-hardware.com)

### GUARANTEE CLAUSE-HANDRAIL

All of the **FIEX** armrests produced by the company are subject to strict quality control and the products produced are guaranteed to meet the **AISI304** material standards. Products purchased through regular channels provide a **two-year** warranty on manufacturing defects from the date of purchase.

#### This warranty does not apply to the following:

- ⊙ An accidental fall caused by damage to the product, ill, beaten, mishandled, incorrect and wrong installation specifications.
- ⊙ The surface finish of the prevented stainless steel product is damaged and there is no regular cleaning and maintenance, especially in hostile environments such as coastal areas and nearby swimming pools (salt mist) (chlorine) in coastal areas and in the necessary cleaning parts. Environment **twice a week**, in other types of environments, at least **once a week**;
- ⊙ For stainless steel that has been damaged by surface treatment, use cleaning tools such as chemicals, solvents, abrasive steel wool, sponge double-sided chlorine, etc.;
- ⊙ Damage caused by pollution of stainless steel acid gas, such as hydrochloric acid or similar clean floor, or through direct contact with stainless steel pollutants, such as: lime mortar filling, iron deposition on the product, may contaminate the oxidation caused by stainless steel;
- ⊙ Missing parts and parts;

#### IMPORTANT INFORMATION

We recommend installing the armrests after the end of the work. This avoids the breakdown of possible faults and other problems to ensure that the same problem is solved. Propose the parts that need to be supplemented, effectively raise the questions and solve the problems. It is the responsibility of the user to store and transport: there is no guarantee responsibility and the consumer will be very pure.

#### CLEANING AND MAINTENANCE

The best products in order to keep stainless steel are water, alcohol, and mild neutral detergents. After diluting with warm water, use a soft cloth. Rinse off with water, preferably a warm, dry, soft cloth. In harsh environments, such as in coastal areas, cleaning should be done at least twice a week. In the most active environment, at least once a week.

**James Lam**  
Epai CEO





## Balustrade railing

/

## Design

EPAI conceives new ideas from dialogues with manufacturing professionals ,applies modern design to unknown traditional techniques and the latest technology and delivers novel designs.

based on these experiences ,UNITE-precisely because it is EPAI delivers impression and coziness to each individual gathering in the space.

OEM&ODM EXPORT  
SINCE 1997

Easy balustrade system







## WHY DO YOU NEED QUALITY TUBES FOR BALUSTRADES ?

Stair railing ideal tubing formula only the best metal

### Adhere to high rust and corrosion resistance?

We use superior metal raw materials containing nickel and chromium (this is the most expensive element and these elements are resistant to corrosion).

### PRIMA (AISI201)

EUROPEAN STANDARD: 1.4372 CHINESE STANDARD: 12Cr17Mn6Ni5N

201 stainless steel, with a certain acid and alkali resistance. Mainly used for decorative tubes, industrial tubes, some shallow stretched products. The balustrades are adapted to dry indoors and clean places, such as classrooms, classrooms, and conference rooms.

### SUPER (AISI304)

EUROPEAN STANDARD: 1.4301 CHINESE STANDARD: 06Cr19Ni10

304 stainless steel is a common material in stainless steel with a density of 7.93 g/cm<sup>3</sup>, also known as 18/8 stainless steel. It has the characteristics of good processing performance and high toughness, and is widely used in industrial and furniture decoration industry and food medical industry. Building decoration materials such as stair railings are widely used in places where the requirements of the World Health Organization are required.

### UNTRA (AISI316L)

EUROPEAN STANDARD: 1.4404 CHINESE STANDARD: 022Cr17Ni12Mo2

316 stainless steel is a kind of stainless steel. Due to the addition of Mo element, it has a great improvement in corrosion resistance and can be used under harsh conditions. UNTRA stainless steel common pipes, balustrades in coastal areas and materials used outside the building.

### Will the tube bend and break?

We studied metals and rich compositions, and the durability and plasticity of our tubes created our tubes without cracking.

Corrosion is the process of destroying metal in a harsh environment. It has the corrosion resistance in the oxide of the interlayer. When the surface of the chrome metal is oxidized in the air, the higher the content of chromium, the more resistant to corrosion.

Causes of corrosion: electrochemical contact between petroleum and metals, acid, alkali, salt soil, humid atmosphere, marine environment.

The sustainability of the electrochemical corrosion resistance of steel is called corrosion of steel: the corrosion resistance of chromium to steel reaches 7% of the elements introduced on the surface, forming a strong and insoluble film, inhibiting oxidation. Corrosion resistance is more pronounced if the steel surface is polished and has no point defects.

### Comparison of chemical composition on 304 stainless steel tube

AISI304	C (Carbon)	Cr (Chromium)	Ni (Nickel)
worth taking note of	The less the carbon content, the better, the single carbon is higher than 0.09. The chromium and nickel components have no special treatment and are prone to severe rust.	The higher the proportion of chromium, the better. Under normal conditions, less than 18% are prone to corrosion.	The higher the nickel, the more resistant to corrosion, and the less than 8%, there is a risk of corrosion.
Standard AISI304	<0.8	18.0-20.0	8.0-10.0
Average of cheap tubes	0.09	17.9	7.85
Most expensive tube parameters	0.065	18.05	8.08
SUPER tube parameters	0.025	18.12	8.11
Standard AISI304L	0.03	18.2	8.0-10.0



### Comparison of chemical composition on 201 stainless steel tube

AISI201	C (Carbon)	Cr (Chromium)	
worth taking note of	The less the carbon content, the better, the single carbon is higher than 0.12. The chromium and nickel components have no special treatment and are prone to severe rust.	The higher the proportion of chromium, the better. Under normal conditions, less than 18% are prone to corrosion.	The higher the nickel, the more resistant to corrosion, and the less than 8%, there is a risk of corrosion.
Standard AISI201	<0.12	14.0-16.5	1.0-1.5
Average of cheap tubes	0.146	13.3	0.064
Most expensive tube parameters	0.069	14.05	1.04
SUPER tube parameters	0.065	14.15	1.22

### WHY SPECIAL PIPES ARE NEEDED FOR STAIR RAILS ?

The less the carbon, the better, rust in the room greater than 0.12; the higher the chromium, the better; the less than 18% will corrode; the higher the nickel, the better; the less than 8% will corrode.

### Robust and convenient packaging

In order to allow customers to get the steel pipe, the use is more convenient, the product is not damaged, we have done a lot of research work to ensure. From the beginning of the production of the pipe, we carried out a special study in consideration of every link in the installation of the railing. This is a problem that we pay special attention to, to ensure the production of qualified quality products, the bad factors caused by packaging, the collisions caused by short-distance transportation, and the problems arising from shipping, etc., comprehensively considering the combination of product quality and cost, and finally got the most Good packaging method:

#### Each tube is placed inside a plastic sleeve.

The plastic sleeve is the whole production, not the disjointed splicing. The tube is well protected in the plastic sleeve and there are no unnecessary scratches, so that you get the perfect ideal tube.

#### The package can withstand all kinds of bad weather such as rain, frost, snow and heat.

On rainy days, the tube can be hidden, no further packaging is required, the package is taken out of the package, dried with a cloth and dried properly, and it can be processed immediately.

#### Our packaging

Unlimited storage in dust, dirt, and oil felt environments. Although the exterior of the package is dirty, when you peel off the cartridge, it will shine like a new one without wiping the surface. Although it is placed for a while, it does not affect the easy making of money.

#### Each tube is packaged in color coded

The black mark means the "EPA" tube and the anti-counterfeit laser stamp is attached to the tube. The red mark is the super product. The "epipes" blue mark means the 201 product, which will never make you wrong when used. The product is always your most assured product.

#### Each product has a label that you can easily identify

Each product will have a label corresponding to the standard and requirements, and it is not easy to make mistakes when shipping to your warehouse. If you have a malicious change, please rest assured that we also have corresponding trademarks and logos on the products. Our products have excellent surface treatment and reliable packaging, so you can use them with confidence.

#### High-grade packaging

We also offer our customers a package that is superior to their peers. We use high-grade packaging materials to wrap the product in a white, neat and safe outerwear. Our products stand out in many products, and you can easily see the high-quality stainless steel tubes that are wrapped safely.

#### Smart bale

We use a lot of tape to hold the tubes together and ensure that the products are not deformed, so that they can be easily stored and transferred during transportation. You can easily arrange them neatly, which saves your warehouse space.

#### Every nozzle we pass special treatment

We have strict quality control and process control, and the nozzle does not occur because the chemical composition of chromium and nickel changes after cutting, which causes the edge to rust.

#### Further protection of our packaging

According to our statistics, there are 64% of cases where the packaged packaging tape is easy to break. Therefore, we have taken care to avoid packaging damage in the medium term, so each package has an extra bandage at the top edge that effectively protects the outside from damage to the stainless steel tube and packaging.

#### Innovative design of the package will take into account the convenience of carrying staff.

We specialize in what kind of specifications, how many bundles, and can be safely shipped and placed. We have studied the number of ways that our customers can sell and use the most convenient way, even if they don't break the package, they can be sold and put into use.

#### We can also provide the convenience of short-sized tubes for individual customers.

There are many customers who use stainless steel pipes for stair railings and handrails, and often use short-sized stainless steel pipes. We have designed some unique suggestions to make the pipe lengths 3.8 meters and 4.3 meters. In this way, you can save your budget for purchasing projects, and it is more convenient to buy the stair railings that we have tailored for you. The standard for the pipe market is 6 meters long, so this is good for your production and sales. We also have matching railings and armrests for you to use and purchase. Therefore, you can professionally solve the problems in the design and installation of stair railings, really saving you the cost of installing the balustrade. We have a sales and production experience of 1 62 62 meters of balustrades, which will provide you with real convenience and the best price. You choose our factory to serve you, this is the most correct choice.





## PERFECT FINISH

Be sure to pay attention to the finish of the product

### ● Excellent surface quality

We will strictly polish the handrails, although it is difficult to find scratches at a distance of 2cm. It is necessary to know that the anti-rust properties of stainless steel contain a large amount of anti-corrosive chemical elements such as chromium and nickel, and good surface treatment can also effectively enhance the corrosion resistance.

### ● High standard mirror finish to 800# (8K).

Our high standard finishes meet the demanding and demanding customer requirements for surface treatment. The product will look like a mirror, so you don't have to re-polish the stainless steel tube that makes the stair rails.

### How does EPAI regulate the marking of stainless steel pipes?

《Prima》 corresponding product is Aisi201

《Super》 corresponding product is Aisi304

《Ultra》 corresponding product is Aisi316L

### ● For the thickness identification of stainless steel tubes:

- 《5》 -Such as pipe thickness 2mm, prima5, super5, Ultra5;
- 《4》 -Such as pipe thickness 1.7mm, prima4, super4, Ultra4;
- 《3》 -Such as pipe thickness 1.5mm, prima3, super3, Ultra3;
- 《2》 -Such as pipe thickness 1.35mm, prima2, super2, Ultra2;
- 《1》 -Such as pipe thickness 1.2mm, prima1, super1, Ultra1;
- 《0》 -Such as pipe thickness 1.0mm, prima0, super0, Ultra0;

### ● For the definition of the quality of stainless steel tube polishing:

- 《+》 Premium polishing method, 800# level;
- 《-》 Conventional polishing method, 600# level;
- 《—》 Degraded polishing method, 500# level;

For example: the diameter is 16 round tubes, the material is AISI316L, the wall thickness is 1.5 thick, and the surface treatment is 600#.



### ● Ingenious craftsmanship ensures that the weld has no hand-welded welds and is hard to find with the naked eye.

Our special welding process, leading technology and industry level, is difficult to find with the naked eye, and has a comfortable and comfortable feel.

### ● Confident and firm luster

Our 8K series stainless steel tubes are truly mirror-finished, the highest standard in the industry, with brightness and finish really reaching 800#. Please note that this is not chrome plating, but the results of our many years of production experience and a large number of experiments, and really do it for you.



Method	Fe-30-F									
Comment	Cr/CrNi steel - F									
Type Standard	316-11380a									
Sample Name										
	C	Si	Mn	P	S	Cr	Mo	Ni		
%	%	%	%	%	%	%	%	%		
« x » (1)	0.0644	0.611	0.592	0.0469	0.0070	16.30	1.55	10.20		
	Al	Co	Cu	Nb	Ti	V	W	Pb		
%	%	%	%	%	%	%	%	%		
« x » (1)	0.0072	0.187	0.0018	0.0100	0.0056	0.0747	0.0304	0.0049		
	Sn	As	Ca	B	Fe	Sb				
%	%	%	%	%	%	%				
« x » (1)	0.0008	0.0079	0.0024	0.00054	18.8	0.0020				



## PRODUCT QUALITY CONTROL

Quality assurance parts, multi-stage quality control enhances the company's reputation and positions our stainless steel railings and components.

### ● Prior to the quality control of the first metal manufacturing.

The first batch produced metal, through visual control and forced control of chemical composition. After the quality control engineer successfully passed the test, the metal entered the production workshop. This is a very important stage. If at this stage, the first year of work quality control system from 20 suppliers, only two large factories that meet all our requirements, their products are of high value, but we determine ourselves. This is very important to us, and we hope that our partners can appreciate this.

### ● What about the conveyor belt on the details

Compliance with dimensional control during production, control before packaging

### ● Warehouse Shipping - Finishing Control

After three stages of quality control, packaging, label inspection, we believe that the inspection control system is the best, no one else in China to do such a thing. And you can't see the extra charge for these services in the price list, you only see the price of the excellent substrate.



# ROUND

## FLEX COMPONENT

The FLEX line consists of a circular tube designed to ensure a higher system flexibility and suitability for different types of items, is to connect pipes, brackets, etc. mounted on the ground, made of AISI 304 or AISI 316 stainless steel, provided Fine polishing or brushing options, you can also follow the customer's request to make other colors (gold, matt black, etc.)



### TUBE

#### AISI 304

##### Subway bar

EPC020 Tube 12.7mm

EPC054 Tube 16mm

EPC021 Tube 44mm

##### bar with 6mm

EPC116 Tube 12.7mm

EPC117 Tube 16mm

EPC118 Tube 40mm

#### AISI 316

##### Subway bar

EPC290 Tube 16mm

EPC291 Tube 44mm

##### bar with 6mm

EPC292 Tube 16mm

EPC293 Tube 44mm



Foto: ambiente com corrimão Flex  
postes e componentes redondos







# E-PAI MANUFACTURING



## E-PAI Manufacturing

- Making Quality Products for Almost 23 years
- Use Advanced Pdca Manufacturing Process
- Machinery And Technical Expertise Are Fully Utilized In Production.
- Strictly control quality management, we produce stainless steel pipes by ourselves



# E-PAI MANUFACTURING

## E-Pai's Precision Design And Engineering Is The Key To Quality



### E-PAI is ISO9001-2015 Certified

It all starts with ISO9001-2015 certification . We produce over 3,000 items for the industries we serve in our ISO9001 Certified manufacturing facilities . Our adherence to the strictest of standards reflects the commitment of our employees to provide the highest quality products.

### Innovation Makes Us a Leader

E-PAI has been manufacturing and providing new and innovative products for nearly 28 years, and we know we can't just wait and die because if we do, others will surpass us. And this is not the whole reason to become a leader. Many E-PAI products incorporate features that others don't, because we feel that no product is so good that it cannot be improved.

### E-Pai Quickly Customize The Project And Shorten The Delivery Cycle

The goal of the E-PAI quick customization program is to achieve the shortest delivery time from sketch to quotation to manufacturing to delivery of all products produced by E-PAI. This can be achieved in a variety of ways, one of the important factors is to let the whole process proceed "internally." Allows electronic manufacturing control processes, such as mold research, raw material procurement, cutting optimization, high-speed manufacturing, surface treatment, powder coating, batch coating, packaging, and transportation, so that products can be delivered to you more quickly and efficiently.

### Engineers Provide Support For Product Development, Testing And Production

E-PAI's engineering department reviews the design and work plan with customers to solve product feasibility, safety issues, and other solutions, so as to provide us with accurate quotations and more accurate technical support.



### Experienced, Knowledgeable Team Dedicated From Start to Finish

Our staff has decades of experience in the various stages of manufacturing. Our people draw upon their resources to find innovation and efficiency in our manufacturing processes , allowing us to build top quality products at prices that are always competitive. From the procurement of raw materials to final shipment of finished goods , it's our experience that makes the difference.

**Do you have a new product that could be made by E-PAI ? Need help with a current products ? [Contact us](#)**

We welcome the opportunity to serve you, and are committed to providing your business with the services that produce quality products. To discuss the possibility of working with E-PAI manufacturing we invite you to contact E-PAI technical sales at +86(757)85751892 in the China. To send e-mail go to [manager@epai-hardware.com](mailto:manager@epai-hardware.com), click on contact us.



# E-PAI MANUFACTURING

## E-PAI Manufacturing's Strengths Become Your Strengths

### E-PAI's Manufacturing Quality

E-PAI Manufacturing has decades of product manufacturing experience in the industries we serve. We have profited from how to manufacture high-quality products, and in a cost-effective way. We also learned how to satisfy customers with high standards.

## Automatic Stainless Steel Pipe Production Line By Our selves



**E-pai has a full-automatic stainless steel pipe production line, and the product conforms to iso 9001-2015 quality embodiment control.**

There are 28 production lines with the specifications of round pipe and square pipe covering 9.5mm-326mm and the thickness of 0.4mm-8mm.

The surface treatment is generally superior to the market average level of 800# mirror surface and 320# hair line, which effectively enhances the anti rust and anti rust ability of stainless steel pipes.

The production materials 201, 304, 316 and 316L are all raw materials of high-quality and well-known brands. The materials have their own products through years of production tests, and effectively control their machining performance and ductility.

# E-PAI MANUFACTURING

## Let E-PAI Manufacturing Put Our Expertise and Resources to work for You

### E-PAI Can Meet Your Manufacturing Needs With Our Extensive Array of Equipment and Our Knowledgeable Staff.

E-PAI can meet the manufacturing needs of businesses large and small. E-PAI Manufacturing offers a variety of services to help you produce high quality products you will be proud to put your name on. We manufacture quality tools, parts, and accessories for some of the world's largest corporations, while also serving the needs of smaller, more specialized businesses. E-PAI Will help you make products you can provide to your customers with complete confidence.

### What E-PAI Offers as Your Manufacturing Partner

E-PAI's capabilities encompass almost every phase of the manufacturing process, from the early stages of design, all the way through to packaging and shipment. We can supply such services as:

- Design
- Bending
- Powder
- Milling
- Machining
- Finishing
- Shipping
- Assembly
- Polishing
- Packaging
- Cutting
- Coating
- Cleaning
- Engineering
- Welding

## Let E-PAI Manufacturing Work for You



### Stainless steel precision wax casting

Mature stainless steel precision wax casting, rich production experience, can meet your new development mold, product design, production casting, mechanical production, surface polishing, electroplating needs in all aspects.



### CNC plate bending machine

E-pai has advanced bending equipment for steel plate, which can produce bending plate with thickness of 0.4mm ~ 16mm



### 15000w CNC laser cutting SLCF-G2580V/F

With advanced high-power 15000w laser cutting equipment, we can provide high-quality and solid support for your various artistic designs and high-quality sheet metal processing.

### E-PAI's Machine Shop

Various hardware processing equipment to support different products.

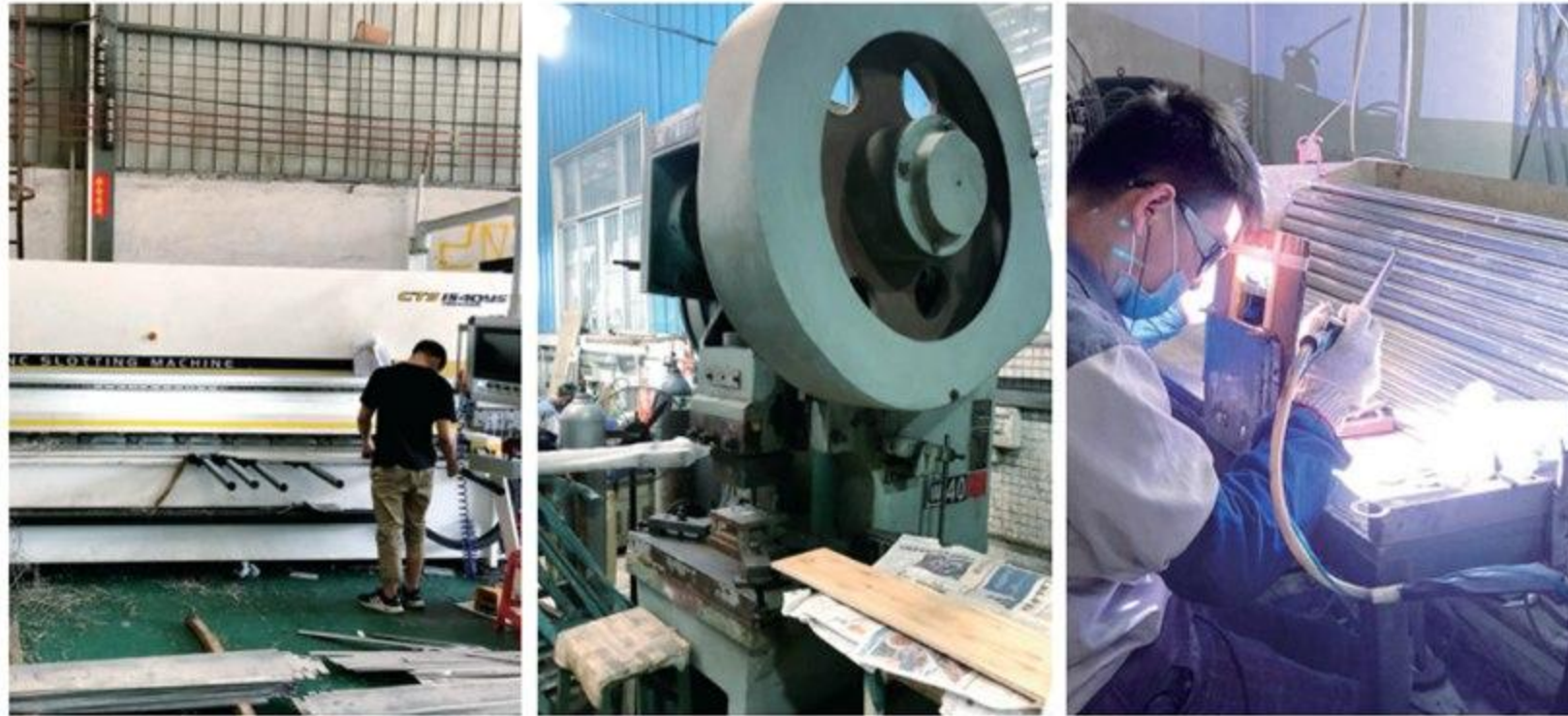
- Complete Machine Shop Capabilities
- Mills, Lathes, Drills, Saws, Etc
- Cutting, Grinding, Drilling, Tapping, and More





# E-PAI MANUFACTURING

## Use E-PAI's Equipment and Processes to Develop Your Project



### E-PAI's Metal Shear and Punch Department

- Metal Shearing of Up to 3 / 16 ( 4.7 mm ) Thick Mild Steel
- Maximum Shearing Width of Up to 14 ( 4.2 m )
- E-PAI Manufacturing has 10 Punch Presses with Hundreds of Dies
- Custom Dies Made Quickly for Special Applications

### E-PAI's Welding Center

- Over One Dozen Fully Equipped Welding Stations
- Welding Capabilities Include Aluminum, Brass, Stainless Steel, and More



### E-PAI's Bending Department

- E-PAI has Over a Dozen Rotary Hydraulic Benders
- E-PAI has Hundreds of Dies for a Variety of Profiles and Radii
- E-PAI Offers a 3-Roller Bender to Bend Flat Bar, Square, Rectangular, or Round Tubing

### E-PAI's Drilling Center

- Custom Multi-Head Drill Allows for One-Day Lead Time on Multiple Drilling Projects

# E-PAI MANUFACTURING

## E-PAI's Total Manufacturing Service Includes Customing Glass, Finishing, and Cleaning



### E-PAI's Customing Temper Glass

- E-PAI's Urethane Bonding Provides Attachment Without Mechanical Fasteners for a Cleaner, More Modern Appearance
- American Ultraviolet Co., Ultraviolet Bonding for Bonding Glass to Metal Without Mechanical Fasteners

### E-PAI's Assembly Center

- Once Your Parts are Manufactured E-PAI's Assembly Center Can Put Them Together



### E-PAI's Finishing and Polishing Department

- We Offer Finishing Capabilities for Aluminum, Brass, Stainless Steel, and More
- We Can Apply Brushed, Satin, and Hairline Finishes
- We Offer Polishing Capabilities for Aluminum, Brass, Stainless Steel, and More
- Almost Any Size or Length
- Climate Controlled Environment

### E-PAI'S Cleaning Department

- Custom Designed Ultra Sonic Cleaner
- Capacity to Clean Parts After Finishing or Prior to Painting



## Choose E-PAI as Your Manufacturer from Start to Finish

### E-PAI Painting Center Now Includes SPaylat NEWLARTM with E-PAI as an Approved Applicator

- 100% Fluoropolymer Architectural Powder Coating
- Performs to AAMA 2605 Without the Use of Primer
- Green Technology -No VOC's/Hazardous Waste
- Superior Scratch and Abrasion Resistance
- Exceptional Chemical Resistance
- 15-Year Performance Warranty
- Powder Coating Up to 20 foot ( 6 m ) Lengths
- Ability to Paint Any Architectural Color on the Market

E-PAI's determination to meet the demands of today , 's challenges for superior performing architectural products and environmentally friendly application properties has been achieved through Spraylat's NEWLARTM which offers superior mechanical properties , has a harder finish , and resists scratching and marring during fabrication , assembly and installation . NEWLARM is warranted for 15 years when applied by approved applicator E-PAI Company

#### E-PAI Additional Services Include:

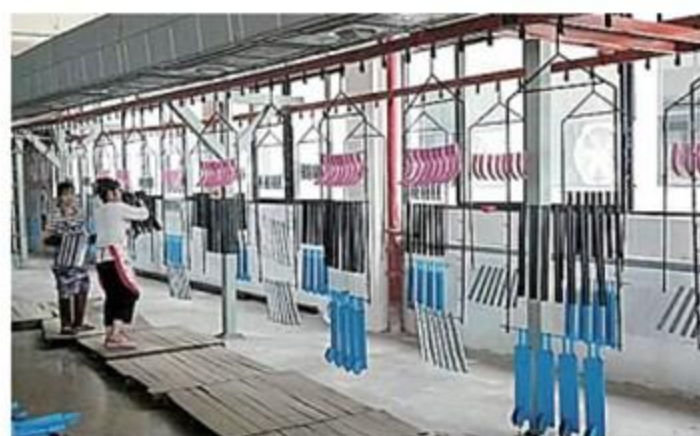
- A Staff of Engineering Professionals Willing to Work With You to Achieve Maximum Quality Products
- E-PAI's Worldwide Volume Purchasing Power on Materials
- Cutting Services for Production and Custom Order Jobs
- Batch Manufacturing for Reduced Turnaround Times and Costs per Unit
- Expert Packaging and Worldwide Shipping

## Your Best Choice in a Manufacturing Partner

When looking for a manufacturer to make your idea or concept into a marketable product , you can choose E-PAI Manufacturing with confidence . We at E-PAI know that our years of experience , our modern technology , and our commitment to excellence can be your best choice for a partner In manufacturing



### E-PAI Automated Painting Center



- Automated Powder Coat Line for Black Paint
- Washer , Dryer , Powder Application , and Oven for Lengths Up to 48 ( 1219 mm )

### Why do you choose us?

- (1) We have more than 22 years experience specialized in Stair and Handrail area.
- (2) Our factory products are exported to more than 86 countries.
- (3) We have our own sales team and designer team, so we offer you professional serve.
- (4) Most of our balustrade accessories are solid or deceasing (fabricate) , Quality is very good.
- (5) we can supply full range and varity products of your home decoration, so one-stop source can save cost.
- (6) Small quantity trial order is welcome
- (7) Products can be customized according to client' s requirements.
- (8) Our product are easy to install, most of handrail can be DIY fixed by no experience worker.
- (9) High quality control and Promptly delivery

### Are you a trader or manufacturer ?

Of course, we are a factory. We have 22 years of production experience. The factory is located in the stainless steel (hardware building materials) production base-Foshan City. We welcome you to come to the factory to guide your work at any time. We are the professional manufacturer, welcome to our factory and showroom before you place order.

### What grades of stainless steel do you use ?

We use commercial grades AISI 304 for internal applications and AISI 316 for external applications. You can mix depending upon the environment of your installation. If you have insufficient budget and use it indoors and in a non-humid environment, you can choose 201 stainless steel.

### What diameter is the handrail ?

The tubes have outside diameters of 38.1mm, 42.4mm, 48.3mm and 50.8mm.

### How high should my balustrade be ?

We should consider two situation.

- 1) Flat railing standard height, 1100mm, 1200mm or 1300mm from the ground.
- 2) Staircase railing standard height, 900mm or 950mm from each step.

### How thickness is the handrail?

The wall thickness of the post is 2mm (diameter 42.4mm), 2.6mm (diameter 48.3mm) and 3mm (diameter 50.8mm). Handrail pipe thickness is 1.5mm.

### I want the banister to go on my left hand wall is this possible ?

Yes, it can go on either wall depending which way round you put it. Just turn it around, lengthways.

### I want to fit a new handrail. Where do I measure from ?

If it's a banister rail replacement, just measure your existing one. If it's a balustrade that you're after, please send us your design in the form of a dimensional sketch or drawing.

### Do you have a new product that could be made by E-PAI ? Need help with a current products ? Contact us

We welcome the opportunity to serve you, and are committed to providing your business with the services that produce quality products. To discuss the possibility of working with E-PAI manufacturing we invite you to contact E-PAI technical sales at +86(757)85751892 in the China. To send e-mail go to service@epai-hardware.com, click on contact us.

# FAQ

### How do you package the goods?

The balustrade and hardware accessories are packaged separately by cartons, glass and wooden components are packaged by the wooden box Long stainless steel pipes are packaged by the fiber bags

### What is the convenient way to pay?

- (1) In generally, Our usual terms of payment is One Touch, T/T, Western Union, Paypal.
- (2) If other way for payment is more convenient for you, we will try our best to support you

### Can you provide us the goods according to our drawing?

All the railing and the staircase can be custom made in our factory, Please provide us your drawing, then we can make it according to your drawing.

### What details should be offer in the first inquiry ?

The following details are very important in the first inquiry

- (1) Which material of stainless steel you want?
- (2) Which items of our products are you interested in?
- (3) How many quantity you want?
- (4) We are more pleased to receive product drawings or fabrication drawing, if you can't, you can offer the photo of your project, our professional designer would inform you what we should need?

### What is about the delivery time?

In general speaking, the delivery time is about 30 days.

### How about the shipment ?

- (1) small quantity you can choose by air
- (2) less than one container you can choose LCL shipment by sea
- (3) one container or more than one container you can choose FCL shipment by sea.



# E-PAI MANUFACTURING

1997-1998

START A BUSINESS



1997 - Established "New Hua Bao Hardware Decoration Materials" in Foshan, sold "NHB" luxury door handle and gated hardware products, the company successfully started from scratch and hold the foot in the market, the product initially recognized by the market.

1998 - The company opened "New Hua Bao Hardware Factory", plant area of 400 square meters, began production for sale "NHB" luxury door handle.

1999-2000

TRANSFORMATION



1999- the company formulated innovative product strategy, featured stainless steel glass door handle, and set off the trend of domestic door handle color processing. Expand production scale in the same year.

2000- the company imported the iso9001-2000 direct pull system, started production standardization process, and laid a good management foundation.

2003-2006

OPEN UP



2003- The Company adjusted its marketing strategy and started to expand its foreign markets.

2006 - Become one of the manufacturers with the largest number of stainless steel door handle export single products, and maintain the growth continuously Keep the largest single product manufacturers, a leading manufacturer.

2009-2010

Profession



2009- In order to better control the quality of stainless steel handle, control incoming quality and put into production stainless steel pipe production line. And customer recognition.

2010 - EPAI PIPECO, established!

2016-2017 At the same time of rapid development, the company has vigorously grasped the management and upgrading work. The entire line of management is introduced into the ISO9001-2008 management system and integrated into the advanced ERP management system. Enhance management and quality control as the company's top priority. Stair railings and glass bathroom hardware have also been developed. High quality and innovative product design have won stable orders from customers. The entire line of products are exported to more than 78 countries and regions around the world.

2016-2017

Strengthen management



2014 -2015 The branches have developed smoothly, and the quality of the door handle and stainless steel pipe is better than that of the peers, and has been developed at a high speed. Door handles exported 720000 to become the industry's first brand. The annual sales volume of stainless steel pipes exceeded 10,000 tons.

2014-2015

Smooth development



2013- Once again, the company expanded its production and moved into a new modern and modern factory building covering an area of 30,000 square meters. Invested in the new 26 precision automatic stainless steel production lines, the export value of the year exceeded 12 million US dollars.

2013

Expand production



2011- Increase investment, purchase 10 precision automatic stainless steel pipe production lines, monthly sales of 300 tons.

2012-, put into production "EPAI UNION" building hardware factory, producing all kinds of stainless steel bathroom clip, stainless steel staircase accessories.

2011-2012

Increase Investment



2018-2019 EPAI is fully committed to becoming a nationally renowned brand of stainless steel building materials, with the goal of production and sales and customer satisfaction as the first goal, practicing the spirit of mindfulness, altruism and virtue, and building the first brand platform of stainless steel building materials industry!

2018~2019

MISSION



Continue to innovate

Strengthen product innovation, improve the full chain layout of building materials, glass, and hardware through automated production, and optimize the industrial structure

2023-2024

Create a timeless stainless masterpiece

Become an excellent stainless steel building chain supply and service provider

Future

# EPAI

MISSION & GOAL

Producing first-class products and cultivating top talents .  
Creating a happy working environment to make all staff grow up and realize their own value & starting the capital market operation successfully .







—— 诚待天下客 · 质赢用户心 ——

## NEW ERA, NEW MISSION, NEW JOURNEY

EPAI focuses on becoming a leading company in the field of stainless steel building materials, and develops healthily

### Introduction

E-pai has been committed to the stainless steel architectural hardware industry for 31 years, started its business for 23 years, and entered into foreign trade for 17 years. Epai only does one thing- becoming one of the outstanding enterprises in the field of stainless steel building materials depth and becoming the pride of Chinese enterprises.

E-pai has been deeply developing stainless steel architectural hardware. Starting from stainless steel door handle, EPAI focuses on strict quality control, continuous innovation, perfect system management, strong technical support, mature supply chain, and professional service. Since 2009, and successfully replicated to high-end stainless steel tubes, stair railing systems and accessories, bathroom hardware products and systems. Now four series of products in many years of cultivation emerging, the world's 86 countries and regions customers praise and loyal cooperation support. Among them, there is no lack of some transnational famous brands, regional first, industry leading enterprises.

In "sincerity to maintaining truthful, quality win customers heart, accept eight party goods" business philosophy under the guidance, will, as always, adhere to the ISO9001-2015 management system, to do a good job of each item to meet customer demand, strongly expand to become excellent stainless steel building materials comprehensive results of each solution provider, committed and enterprise development.

To build an internationally renowned brand, to provide employees with opportunities for material and spiritual growth, and through our joint efforts, to promote the harmonious progress of the society and people. Create a "happy work, happy life" E-pai platform, toward the goal of building a centenary enterprise and strive hard!

Contact us: [manager@epai-hardware.com](mailto:manager@epai-hardware.com)

Our solutions are 7\*24 (7 days & 24 hours) Always there for you !

EXTRAORDINARY,QUALITY,WITHIN REACH...



一派从事不锈钢建筑五金行业 31 年，创业 23 年，对外贸易 17 年。Epai 只做一件事——成为不锈钢建材领域的优秀企业之一，成为中国企业的骄傲。

一派公司一直致力于不锈钢建筑五金件的开发。以不锈钢门把手为起点，严把质量关，不断创新，完善的系统管理，强大的技术支持，成熟的供应链，专业的服务。自 2009 年以来，又成功复制到高端不锈钢管、楼梯扶手系统及配件、卫浴五金产品及系统。现四大系列产品在多年的培育中崭露头角，得到世界 86 个国家和地区客户的好评和忠诚的合作支持。其中不乏一些跨国知名品牌、区域第一、行业领先的企业。

在“诚信为本、质量赢客户心、收八方货”的经营理念指导下，将一如既往地坚持 ISO9001-2015 管理体系，做好每一项工作，满足客户需求，大力拓展成为优秀不锈钢建材综合成果的各解决方案提供商，致力于企业的发展。

打造国际知名品牌，为员工提供物质和精神成长的机会，通过我们的共同努力，促进社会和人民的和谐进步。打造“快乐工作，快乐生活”的 E-pai 平台，朝着建设百年企业的目标努力奋斗！

联系我们: [manager@epai-hardware.com](mailto:manager@epai-hardware.com)

我们的解决方案是 7\*24 (7 天 24 小时) 随时为您服务！

新时代—新使命—新征程  
一派公司聚焦成为不锈钢建材纵深领域领先的企业，健康发展



# E-PAI MANUFACTURING



## 1 我们的使命

打造匠心正念团队、造匠心优质产品，装点大千世界，使企业、员工、客户持续发展、成长。

## 2 持续遵循正念、利他、厚德创业精神理念。

## 3 我们的核心价值观

- 灵活服务于每一个客户。
- 廉洁。
- 高效率。
- 关心客户。
- 学习。
- 敬业。
- 奉献。
- 追求自我实现和认知。
- 开放性和自然性。
- 信任。

## 4 五项工作原则评估我们的决策与忠诚：

- 通过开放的充分的沟通，制定最严格的质量标准、服务。
- 敬业，让客户感受到我们的热情。
- 提供良好的工作气氛和彼此尊重。
- 忠诚，对社会产生积极影响。
- 我们的核心价值观是未来盈利及成功的必要条件。

## 5 我们对敬业精神的理解

- 对知识的深切渴望，从本质开始，渗透到每一个细节。理解产品的质量与服务的重要性。
- 对自己严格要求。
- 深入了解客户。
- 持续提高自己的专业知识。
- 从不停下了自满，要不断学习增值。
- 尽可能快速和有效的工作，节约客户的金钱和时间。

## 6 我们的愿景

打造永恒不锈钢杰作，让一派成为优秀的不锈钢建材全链供应商与服务商。

## 7 我们对良好的工作气氛的理解

- 我们了解合作伙伴的需求。
- 经常与客户保持沟通联系。
- 深入了解客户的需求。
- 创新服务方式。
- 有效的沟通。
- 优产品，优服务。
- 持续改进感受的服务，永不满足于现状，让客户对我们的工作感到满意。
- 我们必须不断努力超越客户的期望值。
- 对待客户就像对自己一样。

## 8 我们对于开放的充分的沟通的理解

- 我们总是为我们的客户着想。
- 我们不接受与员工及客户之间的虚假关系。
- 我们不欺骗客户，员工和自己。
- 我们不虚空的声明与承诺。
- 开放地和适度地自然地表现我们正在做的事情。

## 9 我们对忠诚的理解

- 诚实对待所有人（客户、合作伙伴、工作人员）
- 我们羞于做羞耻的事情。
- 关心客户的需求和利益。
- 适当的优先顺序：客户、员工、自己。
- 正当的收入来源。
- 从不以次充好。
- 多种形式的适当沟通。
- 实现对员工的承诺，满足客户的需求。
- 发现员工的优点。
- 根据员工和客户的情况给予帮助。

# E-PAI MANUFACTURING

## 1 Our mission

The ingenuity of the team, the creation of quality products, so that enterprises, employees, customers continue to develop and grow.



## 2 Continue to follow the entrepreneurial spirit of mindfulness, altruism, and virtue.

## 3 Our core values

- Flexibility to serve every customer.
- Integrity.
- High efficiency.
- Caring for customers.
- Learning and dedication
- Dedication
- Pursue self-realization and cognition.
- Openness and naturalness.
- Trust

## 4 Five working principles assess our decision-making and loyalty:

- Through the open and thorough communication, the most stringent quality standards and services are formulated.
- Dedication, let customers feel our enthusiasm.
- Provide a good working atmosphere and respect each other.
- Loyalty has a positive impact on society.
- Our core values are a necessary condition for future profitability and success.

## 5 Our understanding of open and adequate communication

- We always think about our customers.
- We do not accept false relationships with employees and customers.
- We don't deceive ourselves, our customers, our employees.
- We are not shorting statements and commitments.
- Openness and moderation naturally represent what we are doing.

## 6 Our vision

- Create a timeless stainless masterpiece and become an excellent supplier and service provider of stainless steel building materials.

## 7 Our understanding of professionalism

- The deep desire for knowledge begins with the essence and permeates every detail. Understand the quality of the product and the importance of the service.
- Strict requirements for yourself.
- Gain insight into customers.
- Continue to improve your expertise.
- Never stop complacent, and constantly learn to add value.
- Save money and time as much as possible by working as quickly and efficiently as possible.

## 8 Our understanding of a good working atmosphere

- We understand the needs of our partners.
- Always keep in touch with customers.
- Gain insight into customer needs.
- Innovative service methods.
- Effective communication.
- Excellent products, excellent service.
- The service that continuously improves the feelings is never satisfied with the status quo and makes the customers satisfied with our work.
- We must constantly strive to exceed customer expectations.
- Treating customers is like being yourself.

## 9 Our understanding of loyalty

- Treat everyone honestly (customers, partners, staff)
- We are ashamed to do shameful things.
- Care about the needs and interests of our customers.
- Appropriate priorities: customers, employees, and yourself.
- A legitimate source of income.
- Never shoddy.
- Various forms of proper communication.
- Achieve commitment to employees and meet customer needs.
- Discover their strengths.
- Help according to the situation of employees and customers

# E-PAI's HONOR





出口量的行业领导地位

## INDUSTRY LEADERSHIP IN EXPORT VOLUME

Deeply cultivated in the industry for more than 31 years

在行业内深耕逾 31 多年

100%

100% Products are No.1 export in five continents and regional markets  
Among them, five series of items are for sale NO.1  
产品在五大洲、地区市场热销其中，五个系列单品为销售 NO.1

Exceed 超过

13,341,311 副 pair

Handle 拉手

More than 逾

76,827 吨 ton

Stainless steel pipe 不锈钢管

And 和

19,345 百米 Hundred meters

Stair railings 楼梯栏杆

Business all over 业务遍布

86 regional markets

86 个地区市场

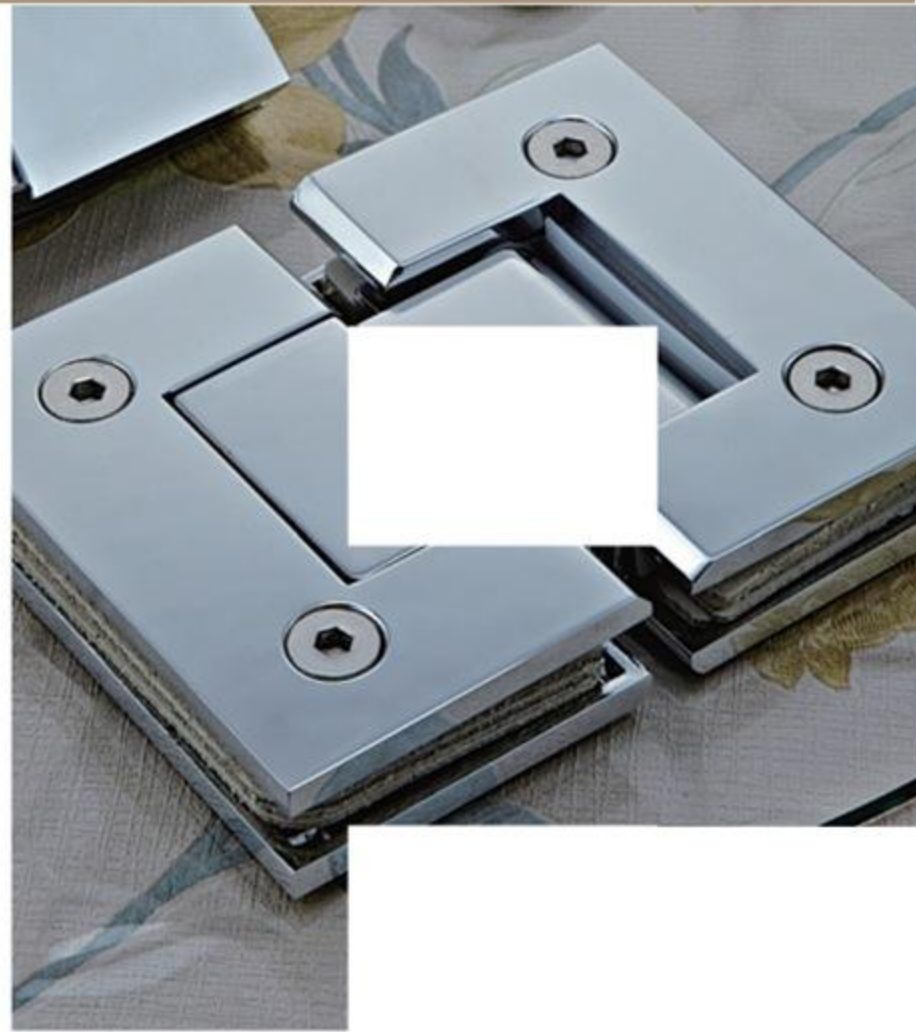
The above data is as of November 2019  
以上数据截止于 2019 年 11 月



- 1 Malaysia
- 2 Singapore
- 3 Thailand
- 4 Brazil
- 5 New Zealand
- 6 U.S.A
- 7 Germany
- 8 Italy
- 9 Indonesia
- 10 India
- 11 Japan
- 12 Sri Lanka
- 13 South Africa
- 14 Egypt
- 15 Algeria
- 16 Ethiopia
- 17 Ukraine
- 18 Russia
- 19 France
- 20 Lebanon
- 21 Iran
- 22 Pakistan
- 23 Australia
- 24 Brunei
- 25 Holland
- 26 United Kingdom
- 27 Turkey
- 28 U.A.E
- 29 Jordan
- 30 Cyprus
- 31 Saudi Arabia



# E-PAI MANUFACTURING



Superior materials: quality begins at the source

## Expertise on stainless steel products 1

### WHY DO WE NEED TO USE SPECIAL QUALITY PIPES TO PRODUCE OUR DOOR HANDLES AND BALUSTRADES

#### Robust and convenient packaging

In order to allow customers to get the steel pipe, the use is more convenient, the product is not damaged, we have done a lot of research work to ensure. From the beginning of the production of the pipe, we have conducted a special study in consideration of every link in the installation of the railing. This is a problem that we pay special attention to, to ensure the production of qualified quality products, the bad factors caused by packaging, the collisions caused by short-distance transportation, and the problems arising from shipping, etc., comprehensively considering the combination of product quality and cost, and finally got the most Good packaging method:

- **Each tube is placed inside a plastic sleeve.**

The plastic sleeve is the whole production, not the disjointed splicing. The tube is well protected in the plastic sleeve and there are no unnecessary scratches, so that you get the perfect ideal tube.

- **The package can withstand all kinds of bad weather such as rain, frost, snow and heat.**

On rainy days, the tube can be hidden, no further packaging is required, the package is taken out of the package, dried with a cloth and dried properly, and it can be processed immediately.

- **Our packaging**

Unlimited storage in dust, dirt, and oil felt environments. Although the exterior of the package is dirty, when you peel off the cartridge, it will shine like a new one without wiping the surface. Although it is placed for a while, it does not affect the easy making of money.

- **Each tube is packaged in color coded**

The black mark means the "EPAI" tube and the anti-counterfeit laser stamp is attached to the tube. The red mark is the super product. The "epipes" blue mark means the 201 product, which will never make you wrong when used. The product is always your most assured product.

- **Each product has a label that you can easily identify**

Each product will have a label corresponding to the standard and requirements, and it is not easy to make mistakes when shipping to your warehouse. If you have a malicious change, please rest assured that we also have corresponding trademarks and logos on the products. Our products have excellent surface treatment and reliable packaging, so you can use them with confidence.

# E-PAI MANUFACTURING



- **We can also provide the convenience of short-sized tubes for individual customers.**

There are many customers who use stainless steel pipes for stair railings and handrails, and often use short-sized stainless steel pipes. We have designed some unique suggestions to make the pipe lengths 3.8 meters and 4.3 meters. In this way, you can save your budget for purchasing projects, and it is more convenient to buy the stair railings that we have tailored for you. The standard for the pipe market is 6 meters long, so this is good for your production and sales. We also have matching railings and armrests for you to use and purchase. Therefore, you can professionally solve the problems in the design and installation of stair railings, really saving you the cost of installing the balustrade. We have a sales and production experience of 1 62 62 meters of balustrades, which will provide you with real convenience and the best price. You choose our factory to serve you, this is the most correct choice.

- **High-grade packaging**

We also offer our customers a package that is superior to their peers. We use high-grade packaging materials to wrap the product in a white, neat and safe outerwear. Our products stand out in many products, and you can easily see the high-quality stainless steel tubes that are wrapped safely.

- **Smart bale**

We use a lot of tape to hold the tubes together and ensure that the products are not deformed, so that they can be easily stored and transferred during transportation. You can easily arrange them neatly, which saves your warehouse space.

- **The innovative design of the package will take into account the convenience of carrying staff.**

We specialize in what kind of specifications, how many bundles, and can be safely shipped and placed. We have studied the number of ways that our customers can sell and use the most convenient way, even if they don't break the package, they can be sold and put into use.

- **Every nozzle we pass special treatment**

We have strict quality control and process control, and the nozzle does not occur because the chemical composition of chromium and nickel changes after cutting, which causes the edge to rust.

- **Further protection of our packaging**

According to our statistics, there are 64% of cases where the packaged packaging tape is easy to break. Therefore, we have taken care to avoid packaging damage in the medium term, so each package has an extra bandage at the top edge that effectively protects the outside from damage to the stainless steel tube and packaging.





## E-Pai Manufacturing

- Making Quality Products For Almost 24 Years
- User Of Progressive PDCA Manufacturing Processes
- Mechanical And Technical Expertise Available To Assist Your Manufacturing Processes
- Strictly Contro Quality Management,We Produce Stainless Steel Pipes By Ourselves

### • Excellent surface quality

We will strictly polish the handrails, although it is difficult to find scratches at a distance of 2cm. It is necessary to know that the anti-rust properties of stainless steel contain a large amount of anti-corrosive chemical elements such as chromium and nickel, and good surface treatment can also effectively enhance the corrosion resistance.

### • High standard mirror finish to 800# (8K).

Our high standard finishes meet the demanding and demanding customer requirements for surface treatment. The product will look like a mirror, so you don't have to re-polish the stainless steel tube that makes the stair rails.

### • Ingenious craftsmanship ensures that the weld has no hand welds and is hard to find with the naked eye.

Our special welding process, leading technology and industry level, is difficult to find with the naked eye, and has a comfortable and comfortable feel.

### • Confident and firm luster

Our 8K series stainless steel tubes are truly mirror-finished, the highest standard in the industry, with brightness and finish really reaching 800#. Please note that this is not chrome plating, but the results of our many years of production experience and a large number of experiments, and really do it for you.

### • How does EPAI regulate the marking of stainless steel pipes?

《Prima》 the corresponding product is Aisi201

《Super》 the corresponding product is Aisi304

《Ultra》 the corresponding product is Aisi316L

### • For the thickness identification of stainless steel tubes:

- 《5》 -Such as pipe thickness 2mm, prima5, super5, Ultra5;
- 《4》 -Such as pipe thickness 1.7mm, prima4, super4, Ultra4;
- 《3》 -Such as pipe thickness 1.5mm, prima3, super3, Ultra3;
- 《2》 -Such as pipe thickness 1.35mm, prima2, super2, Ultra2;
- 《1》 -Such as pipe thickness 1.2mm, prima1, super1, Ultra1;
- 《0》 -Such as pipe thickness 1.0mm, prima0, super0, Ultra0;

### • For the definition of the quality of stainless steel tube polishing:

- 《+》 Premium polishing method, 800# level;
- 《-》 Conventional polishing method, 600# level;
- 《—》 Degraded polishing method, 500# level;

For example: the diameter is 16 round tubes, the material is AISI316L, the wall thickness is 1.5 thick, and the surface treatment is 600#.



Shipping Mark: OMH Item Name: SUPER 3 Material: SUS304 Finish: PSS Size: 10*30*1.5 Length: 6000mm Total N.W: 填每扎净重 Kgs Total G.W: 填每扎净重 Kgs Total QTY: 填每扎支数 pcs	Shipping Mark: OMH Item Name: Ultra 1 Material: SUS304/SUS316 Finish: SSS Size: 10*30*1.2 Length: 6000mm Total N.W: 填每扎净重 Kgs Total G.W: 填每扎净重 Kgs Total QTY: 填每扎支数 pcs
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30\*10 亮光外标签

30\*10 砂光外标签

## QUALITY CONTROL OF PARTS OF THE PRODUCT



### Strictly implement the quality management system "ISO9001-2015"

Each product is manufactured by EPAI to ensure that each product is qualified to meet customer needs. The company's development process and production process are controlled by the strict quality management system "ISO9001-2015" quality system. Over the years, a large number of spare parts have been put into the stainless steel railing project, which has been recognized by customers and can quickly occupy the market position. Can prove this.

It is no secret that most of the world's most cost-effective products are manufactured in China. We have absorbed the technology of Western countries such as Germany and tried to produce the highest quality products. When we are in the production process, most of our products are exported to all parts of the world, while some foreign quality requirements and correct internal control systems are also guided by these trained professionals in a high standard, we extract 4 important methods and stages of product quality control;

### • Do a good job in incoming inspection;

Each batch of products is analyzed by precision spectroscopic analysis at the beginning of production, and then put into the workshop after meeting the requirements. This is a very important link that plays a fundamental role in quality control throughout the production process. We will conduct a quality assessment of 10 suppliers and select 2 suppliers that can meet all of our requirements. They will never neglect the quality requirements for the sake of cheapness. Only with the common values of product quality can we become our qualified suppliers.

### • Inspect the inspection work of each process strictly in the production process.

In the production process, the thickness and diameter of the product are strictly controlled, and strict matching is required for some matching components. If you are responsible for the product parts in the technical details, we will collect all the sample parts and components for trial installation, and even set up and test the actual 1:1 scene to ensure that the product can be easily used and installed in the hands of the customer.

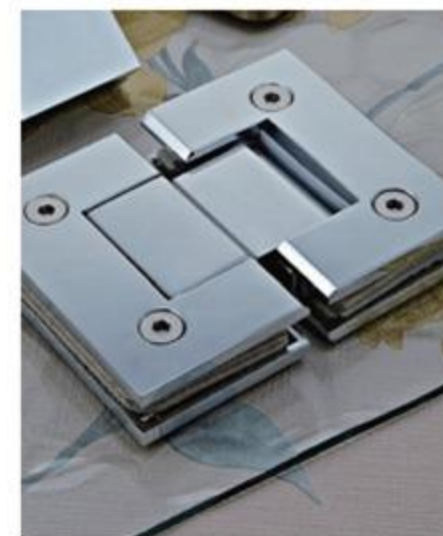
For example, if the customer wants to make a glass spiral staircase, we will build a two-layer model on site with the customer's request, and perform metal and glass railings according to the actual situation to ensure that it can be installed on site. And test the pressure to ensure that the glass's pressure resistance is qualified and safe.

### • We will control the quality 100% before the production is completed.

Every detail of the product will be checked by the final quality before packaging. We also do 100% inspection of important products. The conventional practice is that we will take 0.1% of the volume per batch or 1% of the sampling, but at least not less than 10 different boxes from 10 to extract the box, there is no empty space. The working specification for the sampled product is to check the size tolerance of the product, the state of the component, and so on. At least one product should be subjected to a chemical composition analysis review for each batch of goods. If any problems are found, a review component analysis will be arranged for each product.

### • Products enter the warehouse - for final control

Before shipment, we will also conduct random inspections on the products to ensure the results of the first three quality control: the integrity of the packaging, the label of the whole box, to ensure that every link is guaranteed and recorded. All the records prove that we have done this work well in the past 5 years. According to our understanding, no one in the country asks for this. It is worth noting that you do not see these costs reflected in the quotation of the product, the quality product you get is only the base price of a product.





## Expertise on stainless steel products 2

### WHY DO WE NEED TO USE SPECIAL QUALITY PIPES TO PRODUCE OUR DOOR HANDLES AND BALUSTRADES?

The ideal material for the production of stainless steel door handles and stair railings, we use the best metal materials

#### Can stainless steel be truly rust-proof and corrosion-resistant?

Chromium is the main element determining the properties of stainless steel. We add chromium as an alloying element to steel to effectively enhance the corrosion resistance of steel. The role of nickel as an alloying element in stainless steel changes with the structure of high-chromium steel, thus making stainless steel Corrosion resistance is improved. EPAI stainless steel tubes are fully compliant and above international standards, so we use the best stainless steel materials for our products.

#### Does the stainless steel tube burst when it is bent and shaped?

In more than 20 years of production experience, EPAI has conducted intensive research on stainless steel and is well aware of its structure and composition. And the experience source is used to produce stainless steel pipe technology, making the plastic performance of the EPAI stainless steel pipe superior to the peer products. Therefore, we will ensure that the quality of pipes and products are superior to those of our peers, leading the industry to a high level.

Corrosion, special circumstances can also occur, such as high concentration of acid and alkali washing liquid, contamination with construction cement slurry, penetration of welding iron slag and point defects of products, etc., some of which may cause corrosion when the product is not well protected.

Also, a good polished surface is much more resistant to corrosion than a bad polished surface.

**Stainless steel**  
**AISI 316** 316 stainless steel is a kind of stainless steel. Due to the addition of Mo element, it has a great improvement in corrosion resistance and can be used under harsh conditions. UNTRA stainless steel common pipes, balustrades in coastal areas and materials used outside the building.  
**UNTRA (AISI316L) European standard: 1.4404 Chinese standard: 022Cr17Ni12Mo2**

**Stainless steel**  
**AISI 304** 304 stainless steel is a common material in stainless steel with a density of 7.93 g/cm<sup>3</sup>, also known as 18/8 stainless steel. It has the characteristics of good processing performance and high toughness, and is widely used in industrial and furniture decoration industry and food medical industry. Building decoration materials such as stair railings are widely used in places where the requirements of the World Health Organization are required.  
**SUPER (AISI304) European standard: 1.4301 Chinese standard: 06Cr19Ni10**

**Stainless steel**  
**AISI 201** 201 stainless steel, with a certain acid and alkali resistance. Mainly used for decorative tubes, industrial tubes, some shallow stretched products. The balustrades are adapted to dry indoors and clean places, such as classrooms, classrooms, and conference rooms.  
**PRIMA (AISI201) European standard: 1.4372 Chinese standard: 12Cr17Mn6Ni5N**

#### Standard chemical formula

AISI 316



AISI 304



AISI 201



Most Of Our Products Are Made Of High Quality Stainless Steel.

We Are The Only Manufacturer In China That Has Raw Material Production And Supply!

Our Technology And Service Are Ahead Of Our Peers!



**MACHINE SHOP**  
COVERS AN AREA OF 30000 SQUARE  
METERS AND 22000 SQUARE METERS OF BUILDING

## ODM&OEM

Any kinds of **Architectural Hardware**