



Since 1966

# Tubular Specialties Manufacturing, Inc.

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# Series 900

Stainless Steel

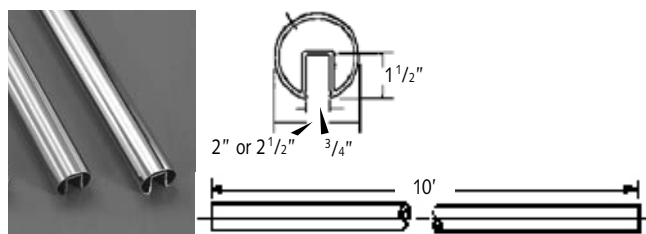
## Technical Data

Revised April 2005

## Stainless Steel Glass Railing System

### Channel Tubing

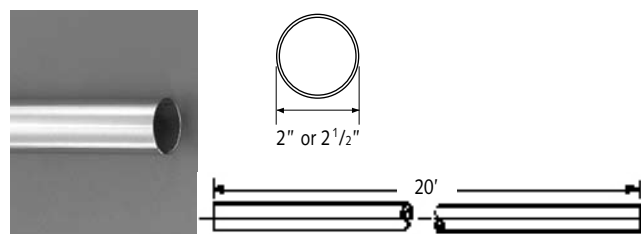
Stainless steel type 304 (18-8) in satin or bright finish, 10' long.



	Model #	Tubing	Finish
<input type="checkbox"/>	GT-904	2"	Satin
<input type="checkbox"/>	GL-904	2 1/2"	Satin
<input type="checkbox"/>	GT-904B	2"	Bright
<input type="checkbox"/>	GL-904B	2 1/2"	Bright

### Round Tubing

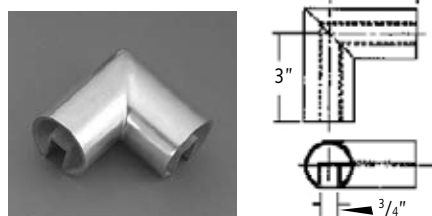
Stainless steel type 304 (18-8) in satin or bright finish, 20' long.



	Model #	Tubing	Finish
<input type="checkbox"/>	GT-906	2"	Satin
<input type="checkbox"/>	GL-906	2 1/2"	Satin
<input type="checkbox"/>	GT-906B	2"	Bright
<input type="checkbox"/>	GL-906B	2 1/2"	Bright

### Horizontal Channel

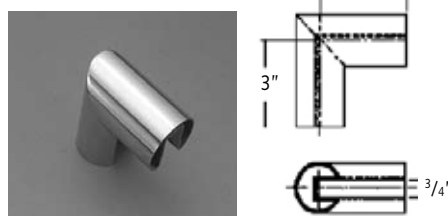
Mitered corner.



	Model #	Tubing	Finish
<input type="checkbox"/>	GT-908	2"	Satin
<input type="checkbox"/>	GL-908	2 1/2"	Satin
<input type="checkbox"/>	GT-908B	2"	Bright
<input type="checkbox"/>	GL-908B	2 1/2"	Bright

### Vertical Channel

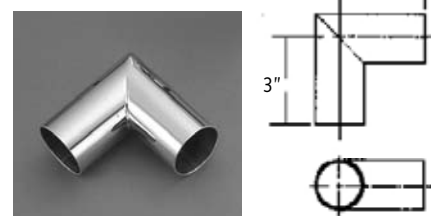
Mitered corner.



	Model #	Tubing	Finish
<input type="checkbox"/>	GT-910	2"	Satin
<input type="checkbox"/>	GL-910	2 1/2"	Satin
<input type="checkbox"/>	GT-910B	2"	Bright
<input type="checkbox"/>	GL-910B	2 1/2"	Bright

### Mitered Channel

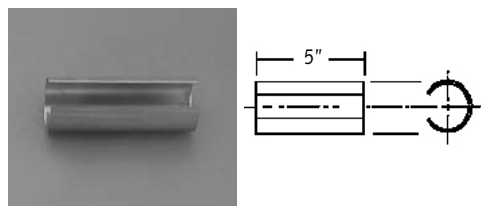
No channel.



	Model #	Tubing	Finish
<input type="checkbox"/>	GT-912	2"	Satin
<input type="checkbox"/>	GL-912	2 1/2"	Satin
<input type="checkbox"/>	GT-912B	2"	Bright
<input type="checkbox"/>	GL-912B	2 1/2"	Bright

### Internal Dowel

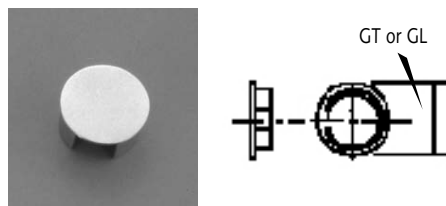
Required for each channel connection. Slips inside to connect components. Adhesive included.



	Model #	Fits Tubing
<input type="checkbox"/>	GT-922	2"
<input type="checkbox"/>	GL-922	2 1/2"

### End Cap

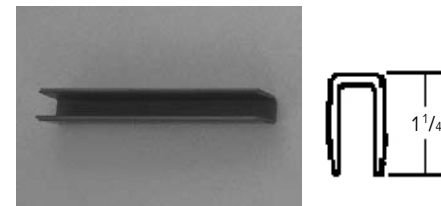
Press fits into tubing ends with or without channel.



	Model #	Fits Tubing
<input type="checkbox"/>	GT-924	2"
<input type="checkbox"/>	GL-924	2 1/2"

### Channel Tubing Protective Insert

Rigid PVC protects glass panels inside channel tubing. Length 10'.



	Model #
<input type="checkbox"/>	GU-926

Manufacturer reserves the right to alter design or dimensions without formal notice and without incurring obligation.

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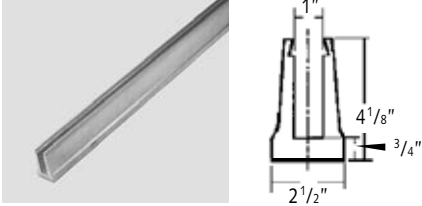


## Guarantee

TSM Series 300 Stainless Steel Component Railing System is guaranteed against defects in workmanship and material for one year from shipping date.

### Decorative Shoe

Aluminum alloy 6063T5. Optional hole drilling pattern accommodates 1/2" cap screws (provided by others), 12" on center. Length 12".

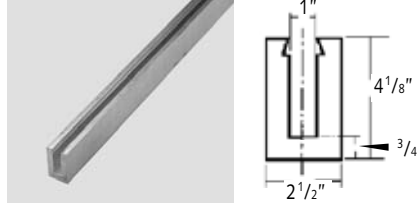


Model #

☐ GU-938

### Rectangular Shoe

Aluminum alloy 6063T5. Optional hole drilling pattern accommodates 1/2" cap screws (provided by others), 12" on center. Length 10' and 20'. Heavy duty.

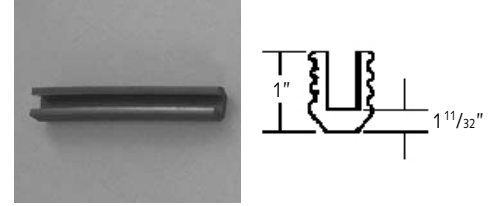


Model #

☐ GU-940

### Shoe Protective Insert

Resilient EPDM setting block protects glass panel inside shoe. 25' Long.

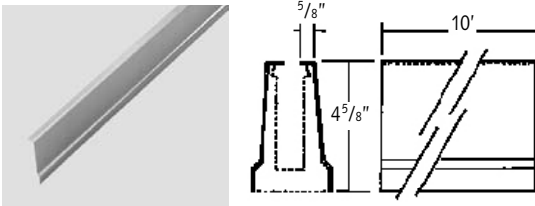


Model #

☐ GU-946

### Decorative Cladding

Attaches to shoe with silicon, epoxy or two-way glazing tape.

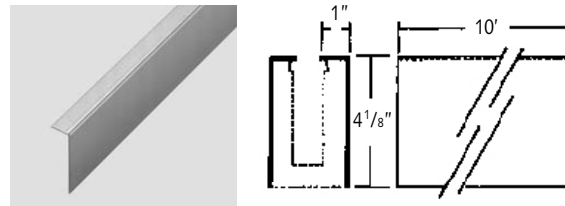


Model #

☐ GU-948

### Rectangular Cladding

Attaches to shoe with silicon, epoxy or two-way glazing tape.

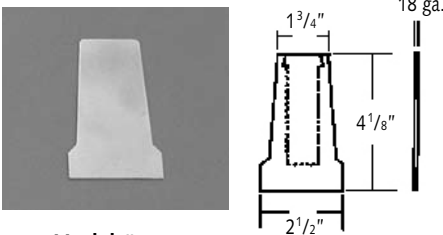


Model #

☐ GU-950

### Decorative Cladding End Cap

Companion to GU-938. Attaches to shoe with silicon, epoxy or two-way glazing tape.

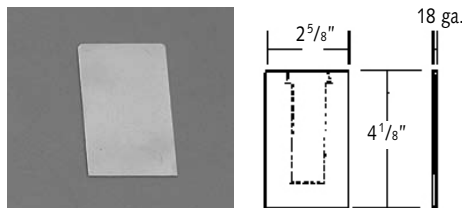


Model #

☐ GU-958

### Rectangular Cladding End Cap

Companion to GU-948. Attaches to shoe with silicon, epoxy or two-way glazing tape.

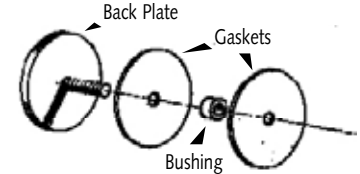


Model #

☐ GU-960

### Back Plate Kit

Kit includes stainless steel back plate, two clear plastic gaskets and bushing.

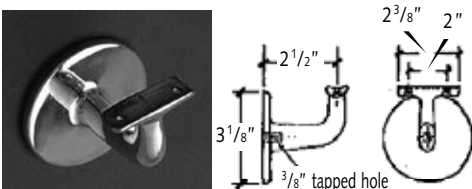


Model #

☐ 304K

### Cast Wall Bracket Kit

Kit includes cast wall bracket, stainless steel back plate, two clear plastic gaskets and bushing.

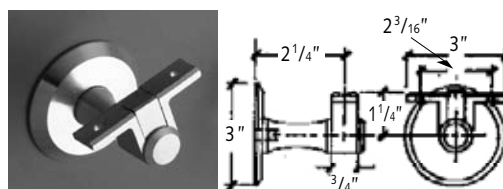


Model #

☐ GU-304CK

### Self-Aligning Bracket Kit

Kit includes self-aligning wall bracket, stainless steel back plate, two clear plastic gaskets and bushing.

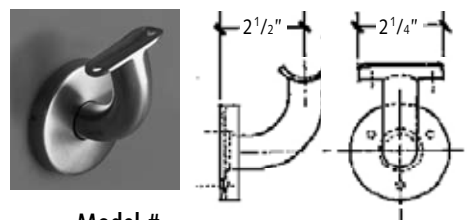


Model #

☐ GU-304RK

### Tubular Wall Bracket Kit

Kit includes tubular wall bracket, stainless steel back plate, two clear plastic gaskets and bushing.



Model #

☐ GU-304TK



## Architectural Specification *Suitable for indoor or outdoor use. Acceptable for ADA ramp applications.*

Stainless Steel Glass Railing Components \_\_\_\_\_ [fill in model names and numbers] shall be stainless steel type 304 (18-8), \_\_\_\_\_ [2" or 2 1/2"] O.D., \_\_\_\_\_ [satin or bright] finish. Channel tubing shall be 16 gauge, 10' long with channel depth 1 1/2". Round tubing shall be 16 gauge, 20' long. Decorative Shoe shall be aluminum alloy 6063T5, 12' long. Rectangular Shoe shall be aluminum alloy 6063T5, 10' and

20' long. Cladding and Cladding End Caps shall be stainless steel type 304 (18-8) 18 gauge, \_\_\_\_\_ [satin or bright] finish.

**Stainless Steel Glass Component Railing System shall be Series 900 Models \_\_\_\_\_ as manufactured by Tubular Specialties Manufacturing, 13011 South Spring Street, Los Angeles, California 90061, tel (800)Grab Bar.**



## Materials/Workmanship

<b>Channel Tubing</b>	Stainless steel type 304 (18-8) in satin or bright finish, 2" or 2 1/2" O.D. x 16 gauge, 10' long. Channel depth is 1 1/2".
<b>Round Tubing</b>	Stainless steel type 304 (18-8) in satin or bright finish, 2" or 2 1/2" O.D. x 16 gauge, 20' long.
<b>Cladding</b>	Stainless steel type 304 (18-8) in satin or bright finish, 18 gauge, 10' long.
<b>Cladding End Cap</b>	Stainless steel type 304 (18-8) in satin or bright finish, 18 gauge.
<b>Shoes</b>	Aluminum alloy 6063T5. Decorative Shoe is 12' and Rectangular Heavy Duty Shoe is 10' and 20'.
<b>Channel Tubing Protective Insert</b>	Rigid PVC, 10' long.
<b>Shoe Protective Insert</b>	Resilient EPDM setting block, 25' long.
<b>Glass</b>	Ordered separately from others. Order 1/2" glass predrilled with 5/8" holes in glass before tempering. Warning: Drilling tempered glass is not recommended.



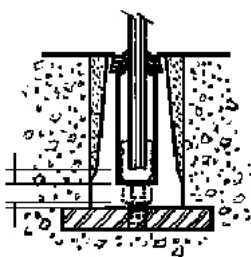
## Installation

1. TSM recommends maximum support spacing of 60" center to center.
2. It is important to comply with local codes in mounting railings.
3. **Setting Glass into Shoes:** Place 6" long pieces of shoe insert (model #946) onto glass panel at three or more equidistant locations, then lower glass into the shoe. There is space between the glass and the inside shoe walls that should have filler inserted into it to plumb and set the glass properly. The choice of filler is at the discretion of the installer (use of epoxy based fillers is not recommended.) Add caulking as needed above the filler.
4. **Mounting Handrail Brackets onto Glass:** Order glass predrilled with 5/8"

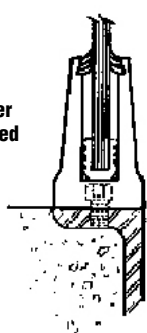
holes in glass before tempering. Warning: Drilling tempered glass is not recommended. Insert bushing in hole. Slip clear plastic gasket onto back plate stud and insert in hole. Place other clear plastic gasket onto the base of the bracket and thread bracket onto stud of back plate.

5. **Mounting Channel Tubing (Cap Rail) onto Glass:** Model #926 Channel Tubing Protective Insert sits on top edge of glass panel between glass and cap rail. Use of a clear adhesive windshield sealer is recommended.
6. All railing systems should be inspected periodically to make sure their attachment to the wall is not loosening.

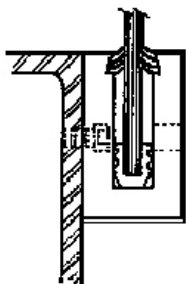
**Recess Mounted**



**Stringer Mounted**



**Facia Mounted**



**Facia Mounted**

