



 **Lavi Industries**
Stainless Steel Railing Systems



316 Stainless Steel Railing
Systems and Components

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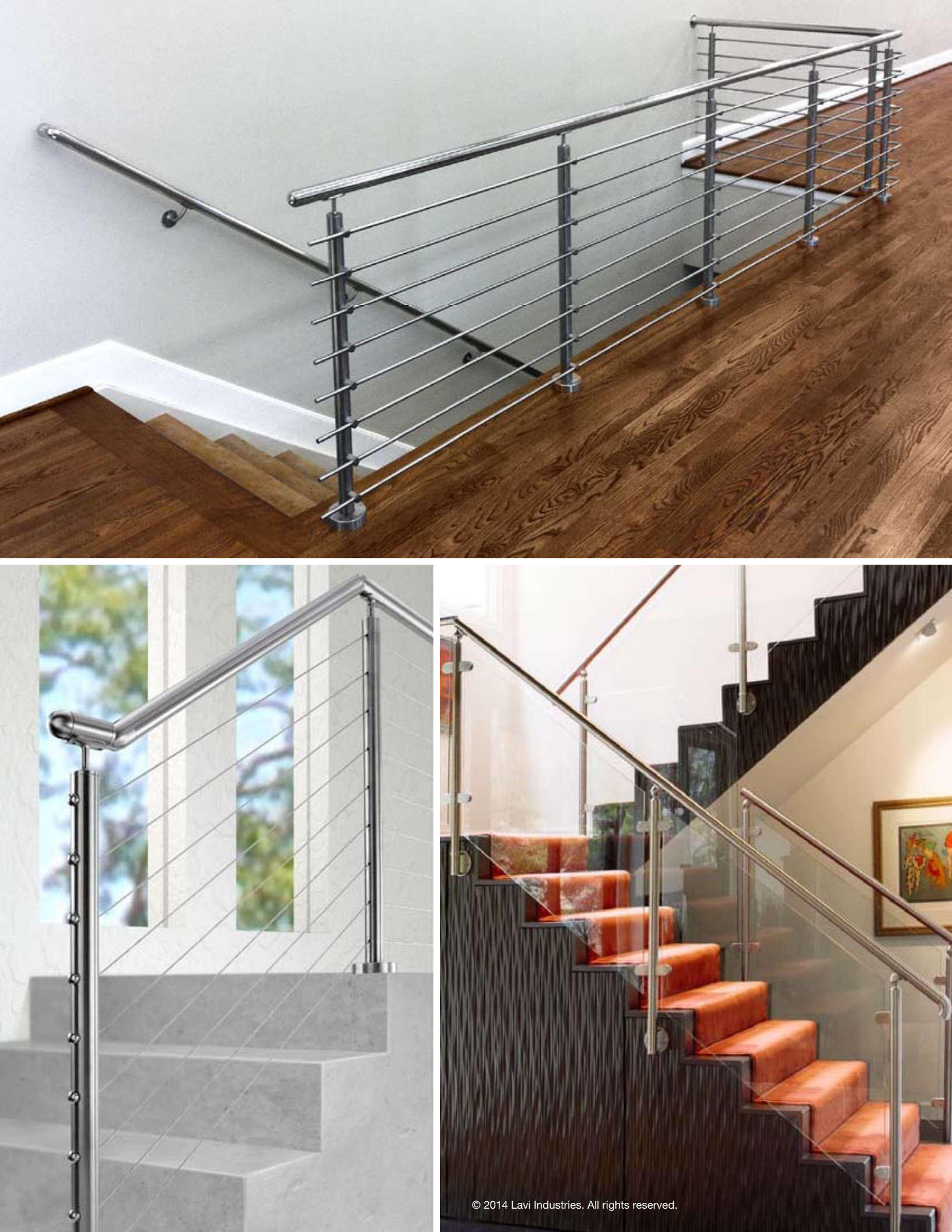
Tubing, Adhesive and Polish 39

Guide to part numbering system

PREFIX	DESCRIPTION	SUFFIX	DESCRIPTION
41	304 stainless, mill finish	1H	1.5" tube diameter, 0.05" wall thickness
40	304 stainless, polished finish	2	2" tube diameter, 0.05" wall thickness
44	304 stainless, satin finish	424	1.67" tube diameter, 0.08" wall thickness
45	316 stainless, mill finish	1H16	1.5" tube diameter, 0.06" wall thickness
47	316 stainless, polished finish	216	2" tube diameter, 0.06" wall thickness
49	316 stainless, satin finish		

MODULAR RAILING SYSTEMS AND ARCHITECTURAL HARDWARE

The pure beauty of Lavi 316 stainless steel railing systems is matched only by the effortlessness of its installation. You'll appreciate the attention to detail that makes every part fit together perfectly. Prefabricated posts allow for quick and easy installation saving you time and money, and the modular design offers you options usually associated with custom-made systems. Please take a minute to browse this amazing product line. We know you'll find something to enhance your next project.



Prefabricated Railing Assemblies for Cable

Post assemblies simplify installation and eliminate welding.



The look of custom, the ease of Prefab.

Prefabricated Cable Railing posts offer an attractive, affordable, low maintenance and easy-to-install railing option for residential or commercial applications. They are extremely durable and virtually invisible, allowing for beautiful, unimpaired views.

We've paid attention to all the details...

It's easy to finish off your railing project with the perfect handrail. Our beautiful polished or satin 316 stainless steel tubing can be customized with a variety of end caps to complete your railing project. *See page 38 for options.*

Our cable rail comes with everything you need for a quick and easy installation, including a threaded stainless steel terminal, Quick-Connect® stainless steel tensioning hardware, washers, and end caps. *See page 10 for details.*

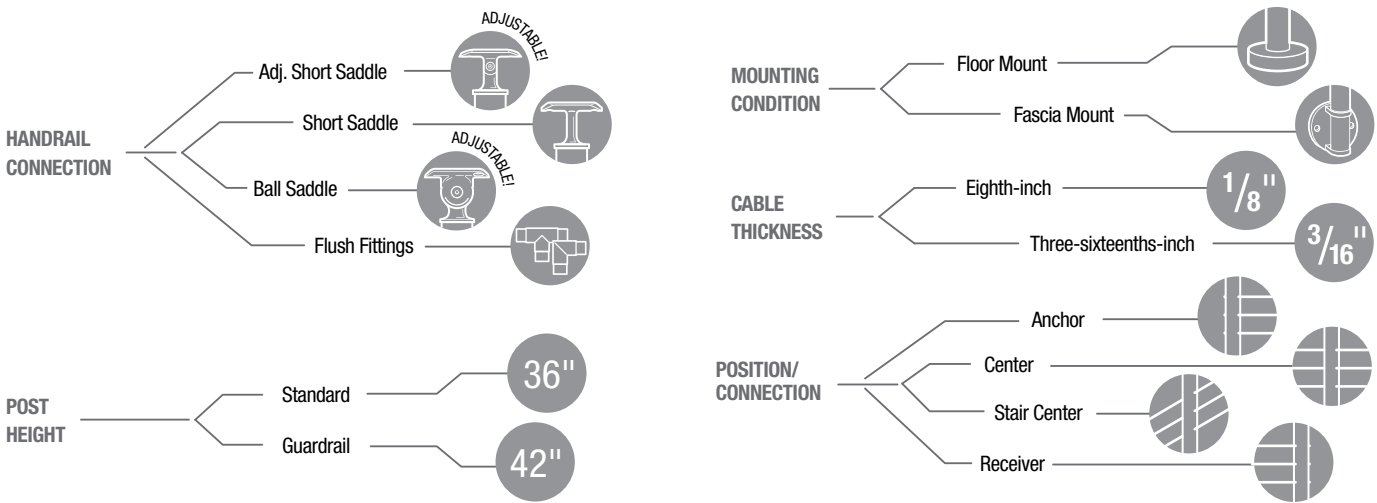


Add the finishing touch to your railing project with Lavi Metal Polish. It cleans, polishes and protects polished metals with its anti-tarnish formula. And for a weld-free installation, use Loctite 326 structural adhesive for a secure, permanent bond between component pieces. *See page 39 for details.*



Floor-mount option shown with adjustable ball saddle. Fascia-mount option shown with flush tee handrail connection. Many more options available.

Prefabricated Post Options



Prefabricated Posts for Cable: 36" Standard

Short Adjustable Saddle

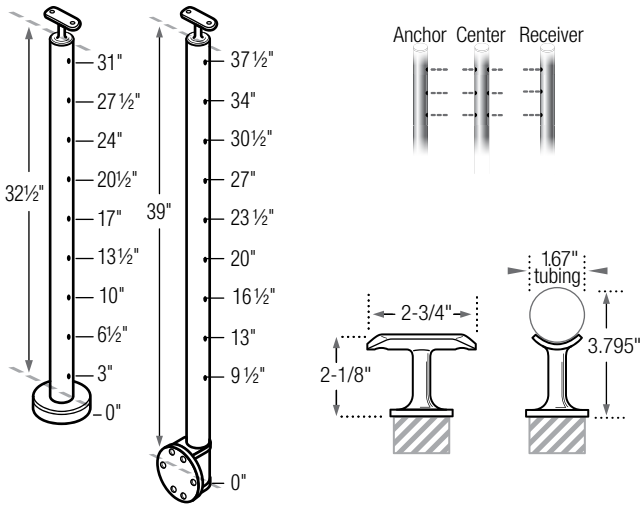
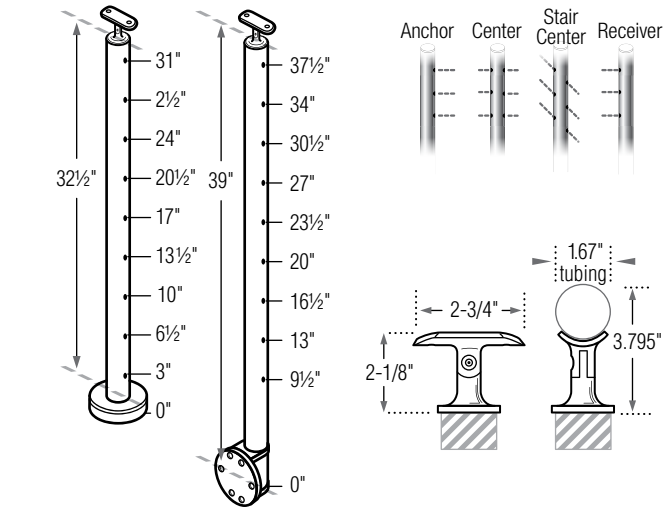


Short Saddle (non-adjustable)



MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	CABLE THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-C424/36/F/SM/A/AS	1/8"	Anchor	1.67"
	Satin	49-C424/36/F/SM/C/AS	1/8"	Center	1.67"
	Satin	49-C424/36/F/SM/R/AS	1/8"	Receiver	1.67"
	Satin	49-C424/36/F/SM/S/AS	1/8"	Stair Center	1.67"
	Satin	49-C424/36/F/MD/A/AS	3/16"	Anchor	1.67"
	Satin	49-C424/36/F/MD/C/AS	3/16"	Center	1.67"
	Satin	49-C424/36/F/MD/R/AS	3/16"	Receiver	1.67"
	Satin	49-C424/36/F/MD/S/AS	3/16"	Stair Center	1.67"
	Satin	49-C424/36/W/SM/A/AS	1/8"	Anchor	1.67"
	Satin	49-C424/36/W/SM/C/AS	1/8"	Center	1.67"
 Fascia Mount	Satin	49-C424/36/W/SM/R/AS	1/8"	Receiver	1.67"
	Satin	49-C424/36/W/SM/S/AS	1/8"	Stair Center	1.67"
	Satin	49-C424/36/W/MD/A/AS	3/16"	Anchor	1.67"
	Satin	49-C424/36/W/MD/C/AS	3/16"	Center	1.67"
	Satin	49-C424/36/W/MD/R/AS	3/16"	Receiver	1.67"
	Satin	49-C424/36/W/MD/S/AS	3/16"	Stair Center	1.67"
	Satin	49-C424/36/W/SM/A/BS	1/8"	Anchor	1.67"
	Satin	49-C424/36/W/SM/C/BS	1/8"	Center	1.67"
	Satin	49-C424/36/W/SM/R/BS	1/8"	Receiver	1.67"
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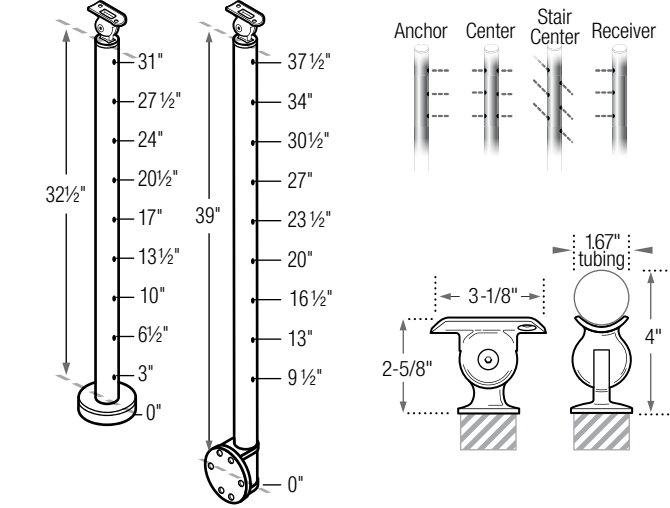


Adjustable Ball Saddle



Now available in Polished 316 Stainless Steel!

MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	CABLE THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-C424/36/F/SM/A/BS	1/8"	Anchor	1.67"
	Polished	47-C424/36/F/SM/A/BS	1/8"	Anchor	1.67"
	Satin	49-C424/36/F/SM/C/BS	1/8"	Center	1.67"
	Polished	47-C424/36/F/SM/C/BS	1/8"	Center	1.67"
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	Polished	47-C424/36/W/SM/A/BS	1/8"	Anchor	1.67"
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 Fascia Mount	Satin	49-C424/36/W/MD/A/BS	3/16"	Anchor	1.67"
	Polished	47-C424/36/W/MD/A/BS	3/16"	Anchor	1.67"
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	Satin	49-C424/36/W/MD/R/BS	3/16"	Receiver	1.67"
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	Satin	49-C424/36/W/MD/A/BS	3/16"	Anchor	1.67"
	Polished	47-C424/36/W/MD/A/BS	3/16"	Anchor	1.67"

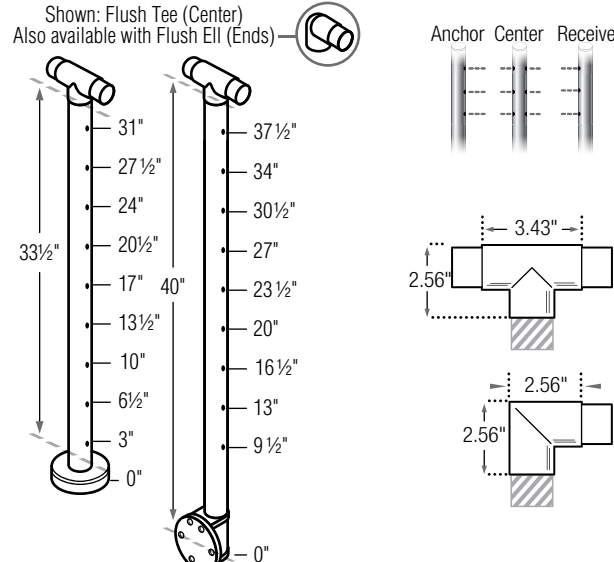


Flush Fittings



Now available in Polished 316 Stainless Steel!

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 Floor Mount	Satin	49-C424/36/F/SM/A/FE	1/8"	Anchor	1.67"
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	Satin	49-C424/36/W/MD/R/BS	3/16"	Receiver	1.67"
	Polished	47-C424/36/W/MD/R/BS	3/16"	Receiver	1.67"



Prefabricated Posts for Cable: 42" Guardrail

Short Adjustable Saddle



Short Saddle (non-adjustable)



MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	CABLE THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-C424/42/F/SM/A/AS	1/8"	Anchor	1.67"
	Satin	49-C424/42/F/SM/C/AS	1/8"	Center	1.67"
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Adjustable Ball Saddle



Now available in Polished 316 Stainless Steel!

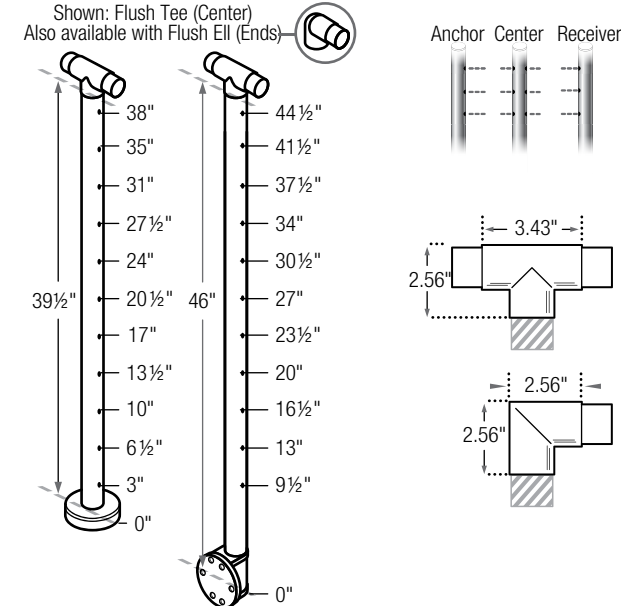
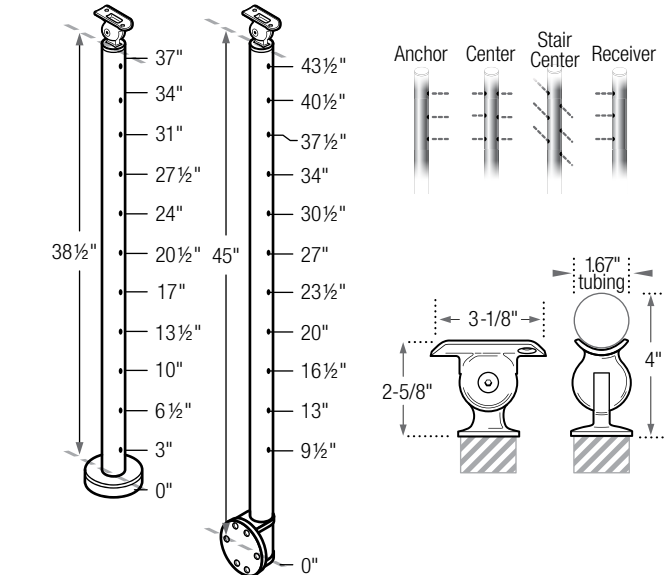
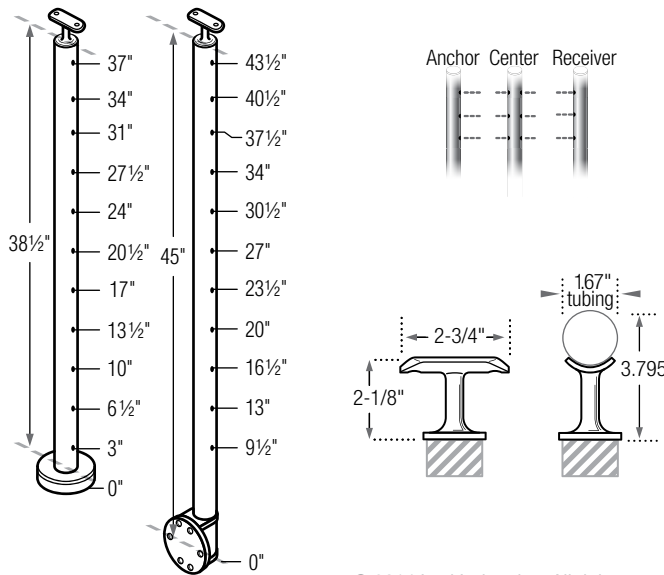
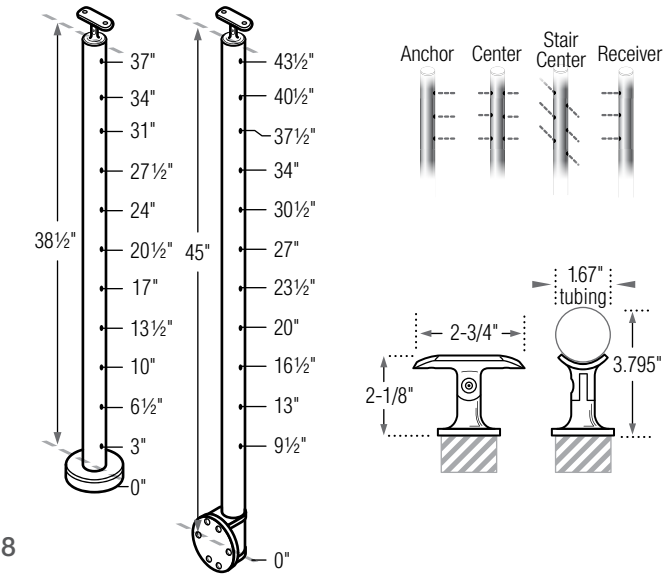
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Flush Fittings



Now available in Polished 316 Stainless Steel!

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	Satin	49-C424/42/W/MD/R/FE	3/16"	Receiver	1.67"
	Polished	47-C424/42/W/MD/R/FE			



Connectors for Cable Railing



Cable Rail Assemblies are an attractive, affordable, low maintenance and easy-to-install railing infill option for homes and offices. Assemblies come in 1/8" and 3/16" diameters*, offering a high-strength, weather-tough alternative to metal or wood railing pickets. This railing infill is not only extremely durable and attractive but virtually invisible, allowing beautiful, unimpaired views.

These prefabricated assemblies are sold in standard lengths from 5 to 70 feet (sold in 5-ft. increments) that can be trimmed and finished in the field.

Cable Rail Assemblies

Includes a length of cable with a threaded stainless steel terminal on one end, a Quick-Connect® stainless steel receiver fitting, nylon washers, stainless steel nut and plastic decorative end caps.

ITEM #	MATERIAL	DIAMETER	LENGTH	ITEM #	MATERIAL	DIAMETER	LENGTH
49-CA125/5	316	1/8"	5'	49-CA187/5	316	3/16"	5'
49-CA125/10	316	1/8"	10'	49-CA187/10	316	3/16"	10'
49-CA125/15	316	1/8"	15'	49-CA187/15	316	3/16"	15'
49-CA125/20	316	1/8"	20'	49-CA187/20	316	3/16"	20'
49-CA125/25	316	1/8"	25'	49-CA187/25	316	3/16"	25'
49-CA125/30	316	1/8"	30'	49-CA187/30	316	3/16"	30'
49-CA125/35	316	1/8"	35'	49-CA187/35	316	3/16"	35'
49-CA125/40	316	1/8"	40'	49-CA187/40	316	3/16"	40'
49-CA125/45	316	1/8"	45'	49-CA187/45	316	3/16"	45'
49-CA125/50	316	1/8"	50'	49-CA187/50	316	3/16"	50'
49-CA125/55	316	1/8"	55'	49-CA187/55	316	3/16"	55'
49-CA125/60	316	1/8"	60'	49-CA187/60	316	3/16"	60'
49-CA125/65	316	1/8"	65'	49-CA187/65	316	3/16"	65'
49-CA125/70	316	1/8"	70'	49-CA187/70	316	3/16"	70'

*1/8" cables are commonly used for residential and light commercial projects. 3/16" cables are utilized in commercial jobs or residential applications where a heavier cable is desired.

Working with Cable Rail Assemblies

Assemblies work perfectly with Lavi Industries' Prefabricated Posts in both residential and commercial settings and are suitable for either interior or exterior applications. The assemblies are laced horizontally through holes drilled in the intermediate posts of your railing frame, then tensioned at opposite end posts with specially-designed Quick-Connect® fittings.

STEP 1

Pass the cable through the anchor, receiver and center posts (stair center posts if installing stair rail) making sure that the threaded terminal is placed in the anchor post and the Quick-Connect® stainless steel fitting is placed in the receiver post.

STEP 2

Ensure that all washers are in place and that the nut is placed loosely tightened on to the threaded terminal at the anchor post.

STEP 3

At the receiver post: pull the cable through the Quick-Connect® fitting and tighten manually. Then go to the anchor post and begin tightening the nut while holding the threaded terminal in place with pliers or a vise grip. Following the tensioning sequence illustrated below.



Important Note: Building codes vary by city and county; therefore, following the installation and railing design instructions detailed here does not necessarily ensure code compliance in all areas. Before starting your project, be sure to consult your building department on local requirements for using and installing cable railings.

Please note that Cable Rail standard assemblies should never be used for lifting, hanging or other high-load applications.



Prefabricated Railing Assemblies for Crossbars

Post assemblies simplify installation and eliminate welding.



Modular prefab posts save you time and money.

The modern, visually stunning look of Crossbar Railing is now even easier to achieve with our Prefabricated Crossbar Railing posts. No welding needed – simply mount the posts, slide the crossbars into place, and tighten. It's literally that simple!

The finishing touch...

It's easy to finish off your railing project with the perfect handrail. Our beautiful polished or satin 316 stainless steel tubing can be customized with a variety of end caps to complete your railing project. See page 38 for options.

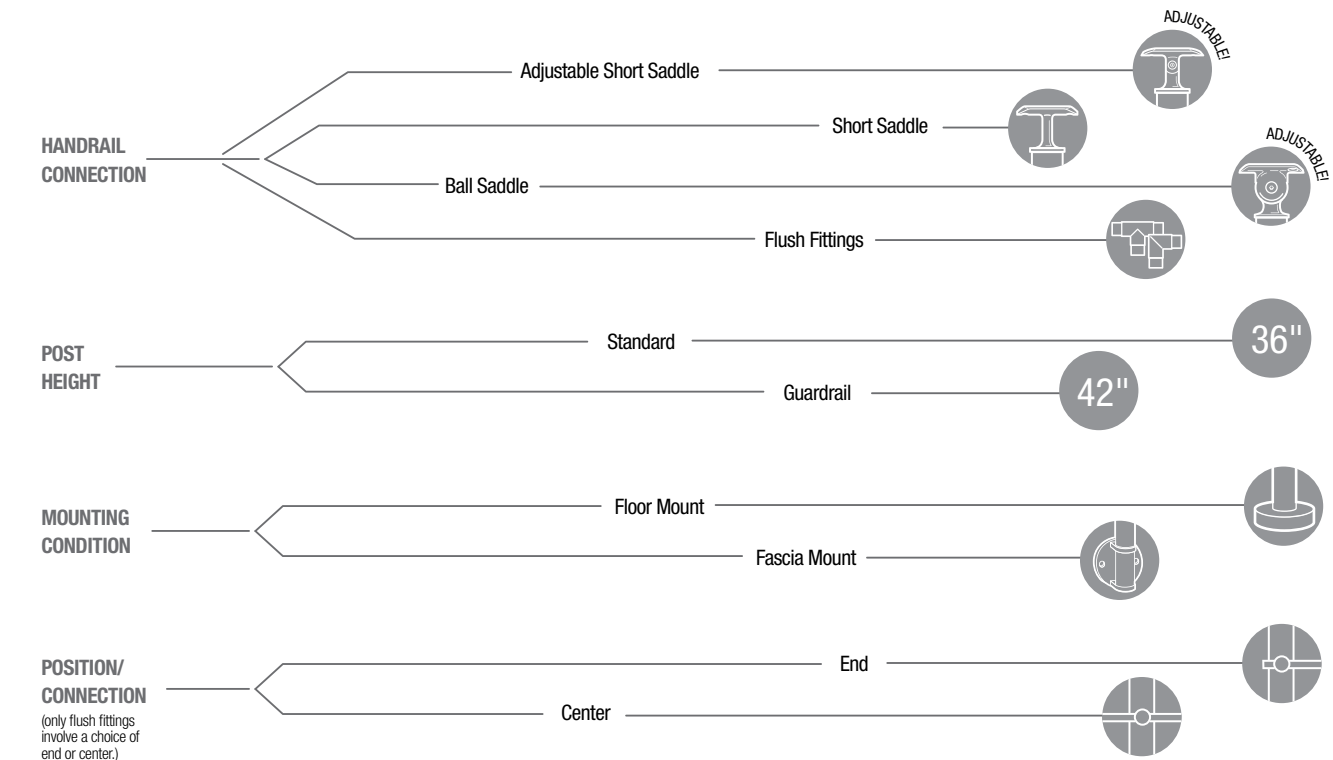


Crossbar Rod is available in 20-foot lengths and is easily cut to length. Cap off ends with our Crossbar Ball Finial for a unique look. See page 15 for details.

Add the finishing touch to your railing project with Lavi Metal Polish. It cleans, polishes and protects polished metals with its anti-tarnish formula. And for a weld-free installation, use Loctite 326 structural adhesive for a secure, permanent bond between component pieces. See page 39 for details.

Floor-mount option shown with adjustable saddle. Fascia-mount option shown with flush tee handrail connection. Many more options available.

Prefabricated Post Options



Crossbar Posts for 36" and 42" Handrail

Short Adjustable Saddle

MOUNTING CONDITION	POST HEIGHT/ FINISH	ITEM #	ROD DIAMETER	POSITION/ CONNECTION	POST DIAMETER
	36" Satin	49-B424/36/F/MD/AS	.47"	Ends, Center	1.67"
	42" Satin	49-B424/42/F/MD/AS	.47"	Ends, Center	1.67"
	36" Satin	49-B424/36/W/MD/AS	.47"	Ends, Center	1.67"
	42" Satin	49-B424/42/W/MD/AS	.47"	Ends, Center	1.67"

Short Saddle (non-adjustable)

MOUNTING CONDITION	POST HEIGHT/ FINISH	ITEM #	ROD DIAMETER	POSITION/ CONNECTION	POST DIAMETER
	36" Satin	49-B424/36/F/MD/SF	.47"	Ends, Center	1.67"
	42" Satin	49-B424/42/F/MD/SF	.47"	Ends, Center	1.67"
	36" Satin	49-B424/36/W/MD/SF	.47"	Ends, Center	1.67"
	42" Satin	49-B424/42/W/MD/SF	.47"	Ends, Center	1.67"

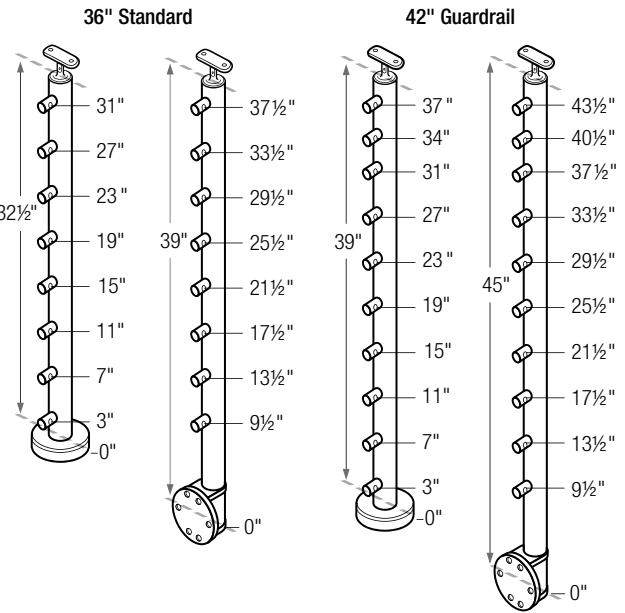
Adjustable Ball Saddle

MOUNTING CONDITION	POST HEIGHT/ FINISH	ITEM #	ROD DIAMETER	POSITION/ CONNECTION	POST DIAMETER
	36" Satin	49-B424/36/F/MD/BS	.47"	Ends, Center	1.67"
	36" Polished	47-B424/36/F/MD/BS			
	42" Satin	49-B424/42/F/MD/BS	.47"	Ends, Center	1.67"
	42" Polished	47-B424/42/F/MD/BS			
	36" Satin	49-B424/36/W/MD/BS	.47"	Ends, Center	1.67"
	36" Polished	47-B424/36/W/MD/BS			
	42" Satin	49-B424/42/W/MD/BS	.47"	Ends, Center	1.67"
	42" Polished	47-B424/42/W/MD/BS			

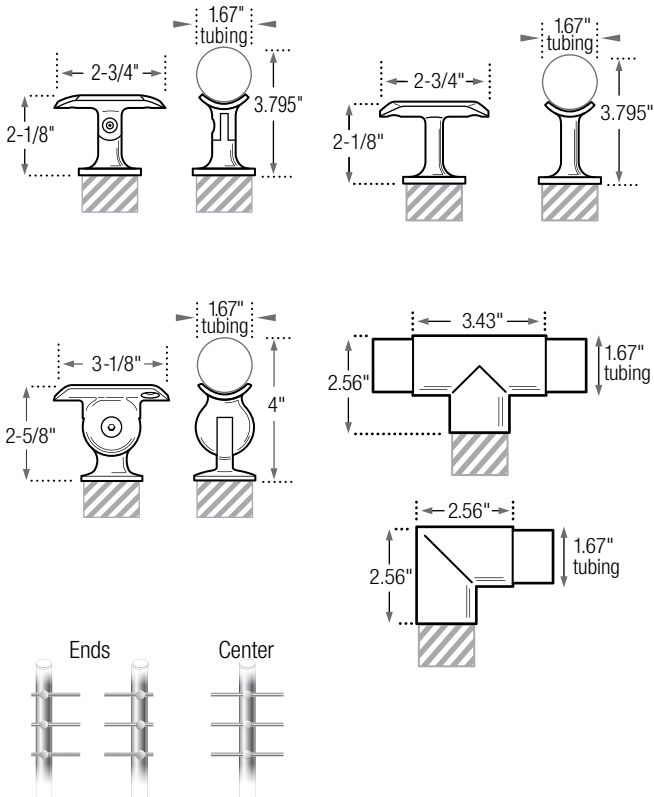
Flush Fittings

MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	ROD DIAMETER	POSITION/ CONNECTION	POST DIAMETER
	36" Satin	49-B424/36/F/MD/FE	.47"	End	1.67"
	36" Polished	47-B424/36/F/MD/FE			
	36" Satin	49-B424/36/F/MD/FT	.47"	Center	1.67"
	36" Polished	47-B424/36/F/MD/FT			
	42" Satin	49-B424/42/F/MD/FE	.47"	End	1.67"
	42" Polished	47-B424/42/F/MD/FE			
	42" Satin	49-B424/42/F/MD/FT	.47"	Center	1.67"
	42" Polished	47-B424/42/F/MD/FT			
	36" Satin	49-B424/36/W/MD/FE	.47"	End	1.67"
	36" Polished	47-B424/36/W/MD/FE			
	36" Satin	49-B424/36/W/MD/FT	.47"	Center	1.67"
	36" Polished	47-B424/36/W/MD/FT			
	42" Satin	49-B424/42/W/MD/FE	.47"	End	1.67"
	42" Polished	47-B424/42/W/MD/FE			
	42" Satin	49-B424/42/W/MD/FT	.47"	Center	1.67"
	42" Polished	47-B424/42/W/MD/FT			

Diagrams shown with short adjustable saddle but dimensions are consistent with other available handrail connection options. See below for individual handrail connection dimensions.



Dimensions for handrail connectors



"Center" standoff crossbar holders are used on all prefabricated posts. Rod ends remain exposed on end-post positions. If finished ends are desired, end-right and end-left versions are sold separately.

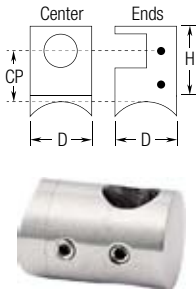
Crossbar Railing Connectors

Crossbar Rod

ITEM #	TYPE	MATERIAL	FINISH	OD	WALL THICK	LENGTH
49-R038/20	Solid Rod	316	Satin	0.47"	NA	20'
47-R038/20	Solid Rod	316	Polished	0.47"	NA	20'

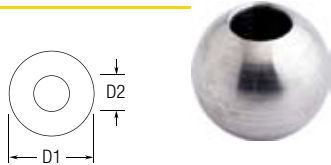
Standoff Crossbar Holder

ITEM #	MATERIAL	FINISH	TUBE	MOUNTS ON	H	D	CP	POSITION
47-RH101/424	316	Polished	0.47	1.67"	1.02"	0.85"	0.79"	Center
49-RH101/424	316	Satin	0.47	1.67"	1.02"	0.85"	0.79"	Center
49-RH102R/424	316	Satin	0.47	1.67"	1.02"	0.85"	0.79"	End-Right
49-RH102L/424	316	Satin	0.47	1.67"	1.02"	0.85"	0.79"	End-Left



Crossbar Ball Finial

ITEM #	MATERIAL	FINISH	TUBE	D1	D2
49-RCF101	316	Machined	0.47"	0.79"	0.48"



Crossbar Splice

ITEM #	MATERIAL	FINISH	TUBE
49-RC103	316	Satin	0.47"
47-RC103	316	Polished	0.47"



Prefabricated Railing Assemblies for Glass Panel

Post assemblies simplify installation and eliminate welding.



A custom look that installs in minutes.

Prefabricated Glass Panel Railing posts will save you time and money. Just choose from the many customizable options and let us build them for you. All you need to do is mount the posts and attach the glass. It couldn't be more simple!

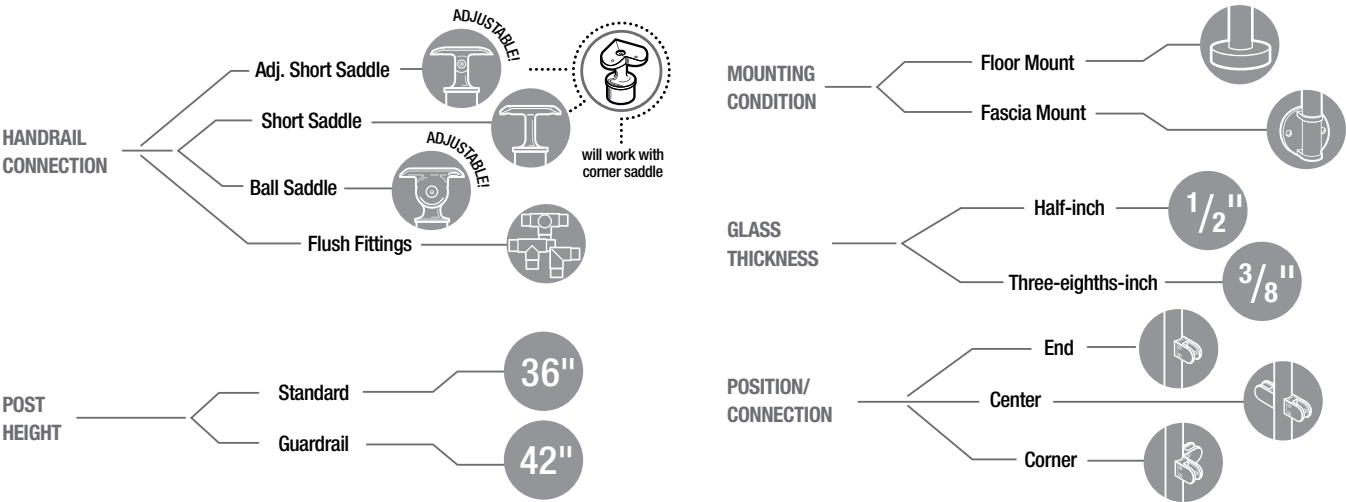
Complete your project with matching components.

It's easy to finish off your railing project with the perfect handrail. Our beautiful polished or satin 316 stainless steel tubing can be customized with a variety of end caps to complete your railing project. See page 38 for options.

Our flush fittings extend the available applications of Glass Panel projects. Angled and adjustable fittings allow you to turn corners and navigate stairs in style. See page 34 for options.

Add the finishing touch to your railing project with Lavi Metal Polish. It cleans, polishes and protects polished metals with its anti-tarnish formula. And for a weld-free installation, use Loctite 326 structural adhesive for a secure, permanent bond between component pieces. See page 39 for details.

Prefabricated Post Options



Fascia-mount option shown with adjustable saddle handrail connection. Floor-mount option shown with flush fitting corner connection. Many more options available.

Prefabricated Posts for Glass: 36" Standard

Short Adjustable Saddle



MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/36/F/MD/E/AS	3/8"	End	1.67"
	Satin	49-G424/36/F/MD/C/AS	3/8"	Center	1.67"
	Satin	49-G424/36/F/LG/E/AS	1/2"	End	1.67"
	Satin	49-G424/36/F/LG/C/AS	1/2"	Center	1.67"
 Fascia Mount	Satin	49-G424/36/W/MD/E/AS	3/8"	End	1.67"
	Satin	49-G424/36/W/MD/C/AS	3/8"	Center	1.67"
	Satin	49-G424/36/W/LG/E/AS	1/2"	End	1.67"
	Satin	49-G424/36/W/LG/C/AS	1/2"	Center	1.67"

Short Saddle (non-adjustable)



MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/36/F/MD/E/SF	3/8"	End	1.67"
	Satin	49-G424/36/F/MD/C/SF	3/8"	Center	1.67"
	Satin	49-G424/36/F/MD/L/SF*	3/8"	Corner	1.67"
	Satin	49-G424/36/F/LG/E/SF	1/2"	End	1.67"
	Satin	49-G424/36/F/LG/C/SF	1/2"	Center	1.67"
	Satin	49-G424/36/F/LG/L/SF*	1/2"	Corner	1.67"
 Fascia Mount	Satin	49-G424/36/W/MD/E/SF	3/8"	End	1.67"
	Satin	49-G424/36/W/MD/C/SF	3/8"	Center	1.67"
	Satin	49-G424/36/W/MD/L/SF*	3/8"	Corner	1.67"
	Satin	49-G424/36/W/LG/E/SF	1/2"	End	1.67"
	Satin	49-G424/36/W/LG/C/SF	1/2"	Center	1.67"
	Satin	49-G424/36/W/LG/L/SF*	1/2"	Corner	1.67"

Adjustable Ball Saddle



Now available in Polished 316 Stainless Steel!

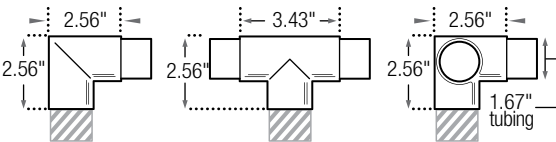
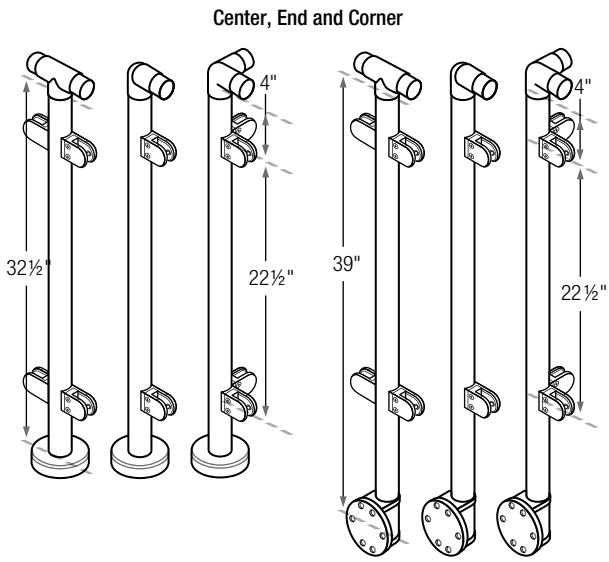
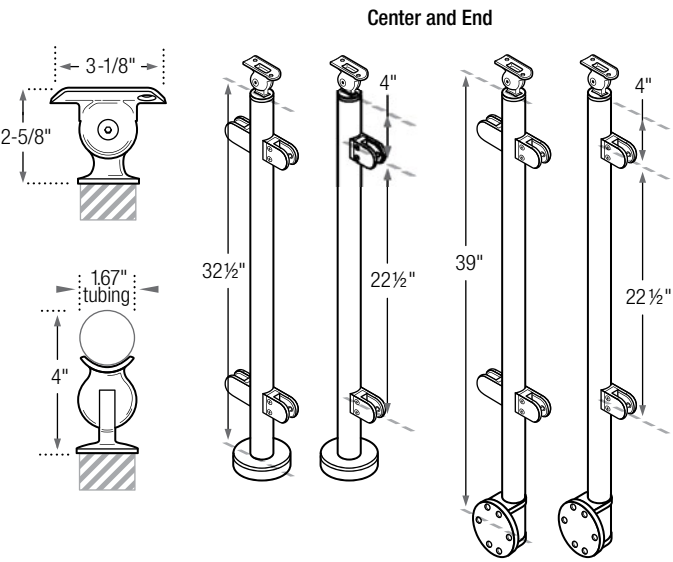
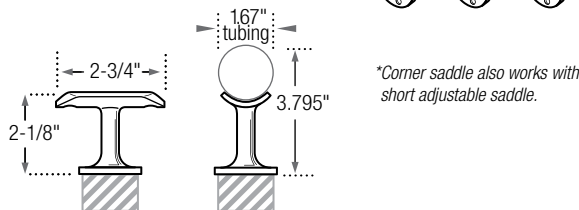
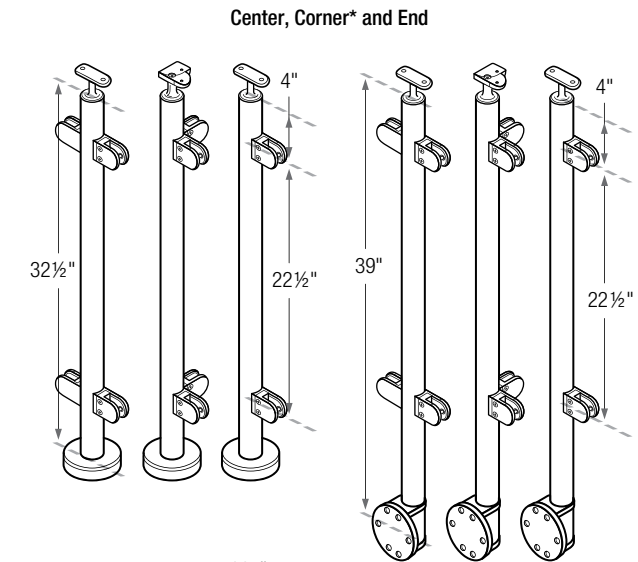
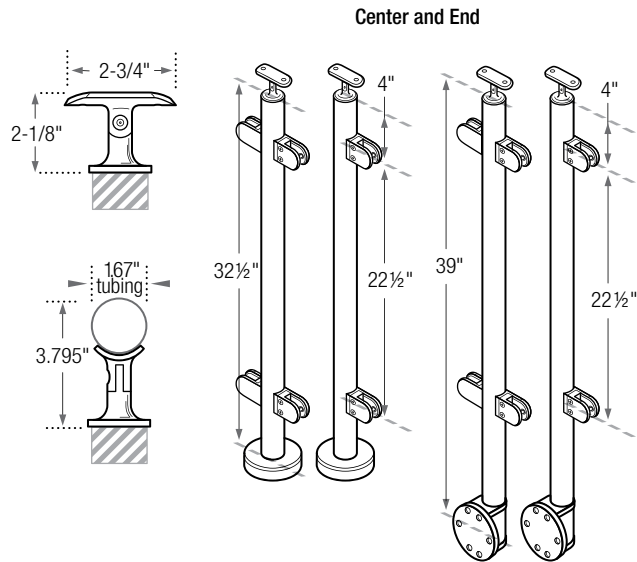
MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/36/F/MD/E/BS	3/8"	End	1.67"
	Polished	47-G424/36/F/MD/E/BS			
	Satin	49-G424/36/F/MD/C/BS	3/8"	Center	1.67"
	Polished	47-G424/36/F/MD/C/BS			
	Satin	49-G424/36/F/LG/E/BS	1/2"	End	1.67"
	Polished	47-G424/36/F/LG/E/BS			
 Fascia Mount	Satin	49-G424/36/F/LG/C/BS	1/2"	Center	1.67"
	Polished	47-G424/36/F/LG/C/BS			
	Satin	49-G424/36/W/MD/E/BS	3/8"	End	1.67"
	Polished	47-G424/36/W/MD/E/BS			
	Satin	49-G424/36/W/MD/C/BS	3/8"	Center	1.67"
	Polished	47-G424/36/W/MD/C/BS			
 Fascia Mount	Satin	49-G424/36/W/LG/E/BS	1/2"	End	1.67"
	Polished	47-G424/36/W/LG/E/BS			
	Satin	49-G424/36/W/LG/C/BS	1/2"	Center	1.67"
	Polished	47-G424/36/W/LG/C/BS			

Flush Fittings



Now available in Polished 316 Stainless Steel!

MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/36/F/MD/E/FE	3/8"	End	1.67"
	Polished	47-G424/36/F/MD/E/FE			
	Satin	49-G424/36/F/MD/C/FT	3/8"	Center	1.67"
	Polished	47-G424/36/F/MD/C/FT			
	Satin	49-G424/36/F/MD/L/FL	3/8"	Corner	1.67"
	Polished	47-G424/36/F/MD/L/FL			
	Satin	49-G424/36/F/LG/E/FE	1/2"	End	1.67"
	Polished	47-G424/36/F/LG/E/FE			
 Fascia Mount	Satin	49-G424/36/F/LG/C/FT	1/2"	Center	1.67"
	Polished	47-G424/36/F/LG/C/FT			
	Satin	49-G424/36/F/LG/L/FL	1/2"	Corner	1.67"
	Polished	47-G424/36/F/LG/L/FL			
	Satin	49-G424/36/W/MD/E/FE	3/8"	End	1.67"
	Polished	47-G424/36/W/MD/E/FE			
	Satin	49-G424/36/W/MD/C/FT	3/8"	Center	1.67"
	Polished	47-G424/36/W/MD/C/FT			
 Fascia Mount	Satin	49-G424/36/W/MD/L/FL	3/8"	Corner	1.67"
	Polished	47-G424/36/W/MD/L/FL			
	Satin	49-G424/36/W/LG/E/FE	1/2"	End	1.67"
	Polished	47-G424/36/W/LG/E/FE			
	Satin	49-G424/36/W/LG/C/FT	1/2"	Center	1.67"
	Polished	47-G424/36/W/LG/C/FT			
	Satin	49-G424/36/W/LG/L/FL	1/2"	Corner	1.67"
	Polished	47-G424/36/W/LG/L/FL			



Prefabricated Posts for Glass: 42" Guardrail

Short Adjustable Saddle



MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/42/F/MD/E/AS	3/8"	End	1.67"
	Satin	49-G424/42/F/MD/C/AS	3/8"	Center	1.67"
	Satin	49-G424/42/F/LG/E/AS	1/2"	End	1.67"
	Satin	49-G424/42/F/LG/C/AS	1/2"	Center	1.67"
 Fascia Mount	Satin	49-G424/42/W/MD/E/AS	3/8"	End	1.67"
	Satin	49-G424/42/W/MD/C/AS	3/8"	Center	1.67"
	Satin	49-G424/42/W/LG/E/AS	1/2"	End	1.67"
	Satin	49-G424/42/W/LG/C/AS	1/2"	Center	1.67"

Short Saddle (non-adjustable)



MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/42/F/MD/E/SF	3/8"	End	1.67"
	Satin	49-G424/42/F/MD/C/SF	3/8"	Center	1.67"
	Satin	49-G424/42/F/MD/L/SF*	3/8"	Corner	1.67"
	Satin	49-G424/42/F/LG/E/SF	1/2"	End	1.67"
	Satin	49-G424/42/F/LG/C/SF	1/2"	Center	1.67"
	Satin	49-G424/42/F/LG/L/SF*	1/2"	Corner	1.67"
 Fascia Mount	Satin	49-G424/42/W/MD/E/SF	3/8"	End	1.67"
	Satin	49-G424/42/W/MD/C/SF	3/8"	Center	1.67"
	Satin	49-G424/42/W/MD/L/SF*	3/8"	Corner	1.67"
	Satin	49-G424/42/W/LG/E/SF	1/2"	End	1.67"
	Satin	49-G424/42/W/LG/C/SF	1/2"	Center	1.67"
	Satin	49-G424/42/W/LG/L/SF*	1/2"	Corner	1.67"

Adjustable Ball Saddle



Now available in Polished 316 Stainless Steel!

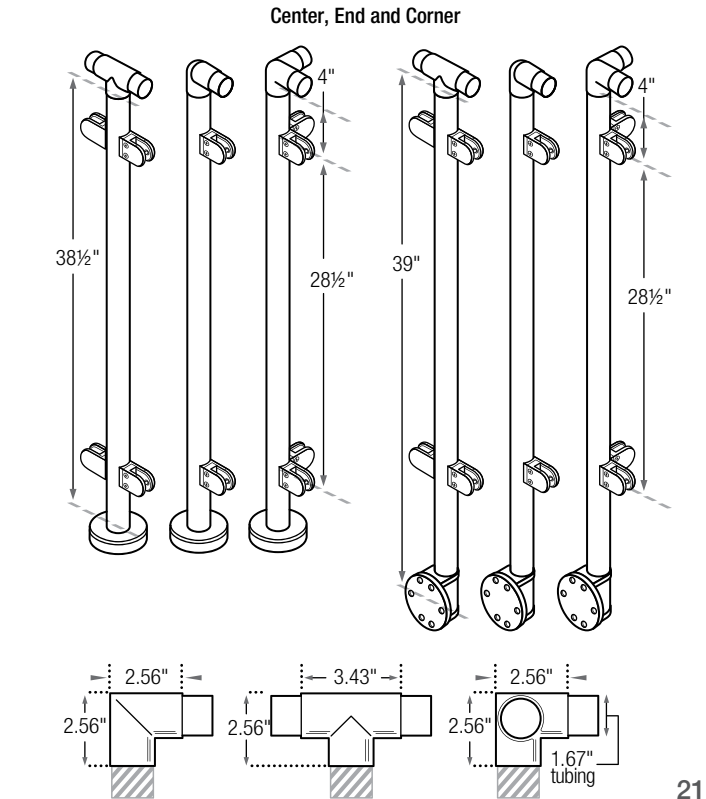
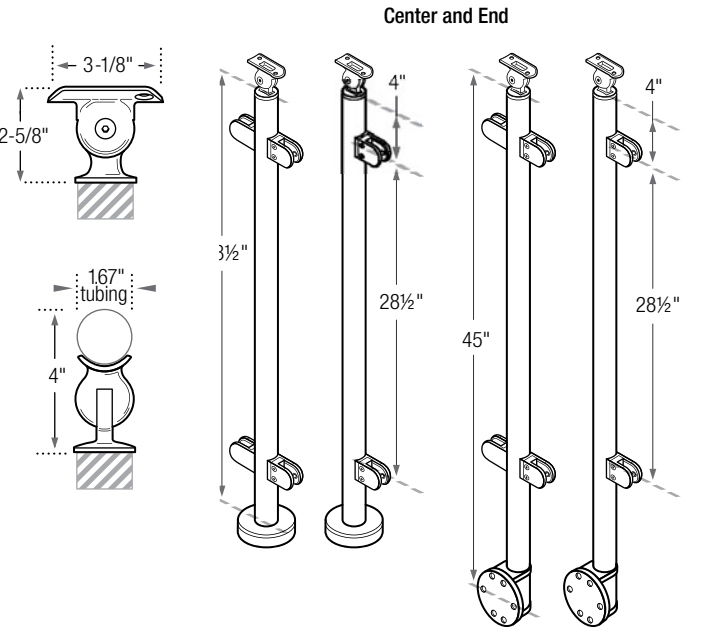
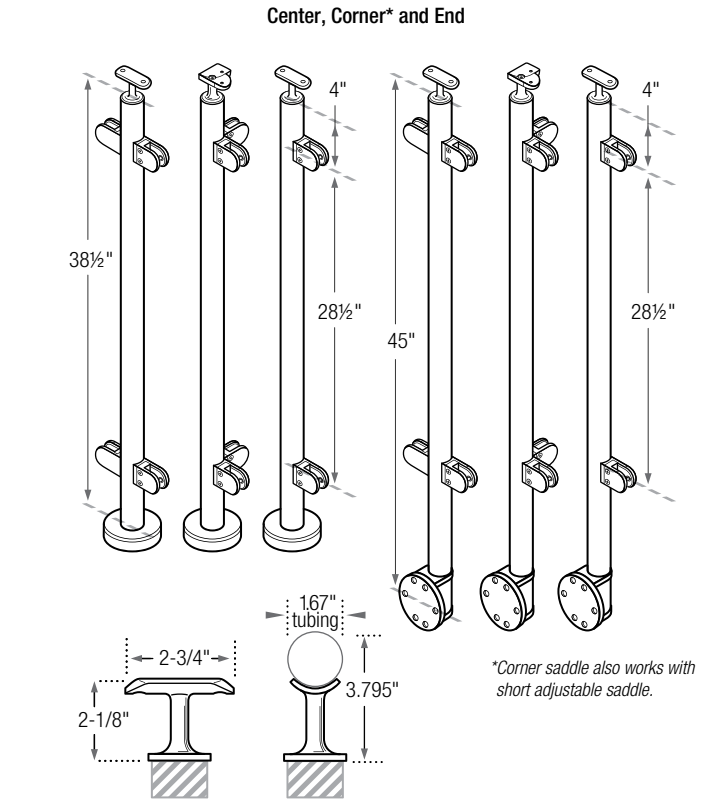
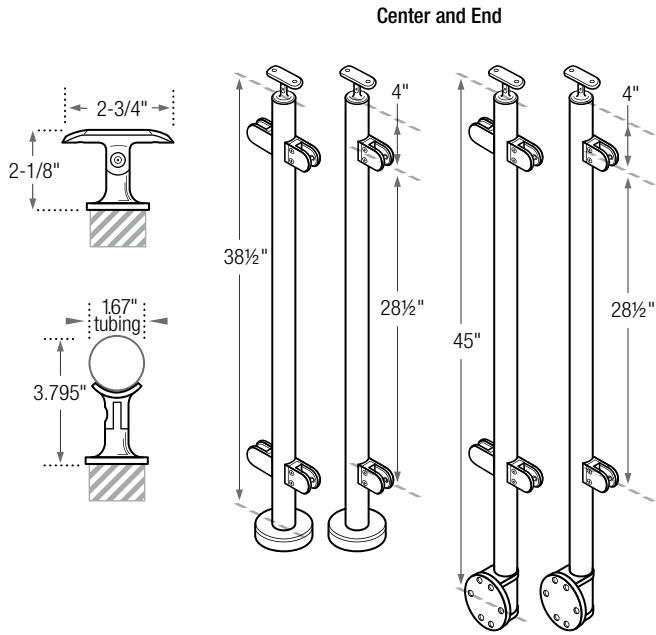
MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/42/F/MD/E/BS	3/8"	End	1.67"
	Polished	47-G424/42/F/MD/E/BS	3/8"	End	1.67"
	Satin	49-G424/42/F/MD/C/BS	3/8"	Center	1.67"
	Polished	47-G424/42/F/MD/C/BS	3/8"	Center	1.67"
	Satin	49-G424/42/F/LG/E/BS	1/2"	End	1.67"
	Polished	47-G424/42/F/LG/E/BS	1/2"	End	1.67"
 Fascia Mount	Satin	49-G424/42/F/LG/C/BS	1/2"	Center	1.67"
	Polished	47-G424/42/F/LG/C/BS	1/2"	Center	1.67"
	Satin	49-G424/42/W/MD/E/BS	3/8"	End	1.67"
	Polished	47-G424/42/W/MD/E/BS	3/8"	End	1.67"
	Satin	49-G424/42/W/MD/C/BS	3/8"	Center	1.67"
	Polished	47-G424/42/W/MD/C/BS	3/8"	Center	1.67"
 Fascia Mount	Satin	49-G424/42/W/LG/E/BS	1/2"	End	1.67"
	Polished	47-G424/42/W/LG/E/BS	1/2"	End	1.67"
	Satin	49-G424/42/W/LG/C/BS	1/2"	Center	1.67"
	Polished	47-G424/42/W/LG/C/BS	1/2"	Center	1.67"

Flush Fittings



Now available in Polished 316 Stainless Steel!

MOUNTING CONDITION	AVAILABLE FINISHES	ITEM #	GLASS THICKNESS	POSITION/ CONNECTION	POST DIAMETER
 Floor Mount	Satin	49-G424/42/F/MD/E/FE	3/8"	End	1.67"
	Polished	47-G424/42/F/MD/E/FE	3/8"	End	1.67"
	Satin	49-G424/42/F/MD/C/FT	3/8"	Center	1.67"
	Polished	47-G424/42/F/MD/C/FT	3/8"	Center	1.67"
	Satin	49-G424/42/F/MD/L/FL	3/8"	Corner	1.67"
	Polished	47-G424/42/F/MD/L/FL	3/8"	Corner	1.67"
	Satin	49-G424/42/F/LG/E/FE	1/2"	End	1.67"
	Polished	47-G424/42/F/LG/E/FE	1/2"	End	1.67"
 Fascia Mount	Satin	49-G424/42/F/LG/C/FT	1/2"	Center	1.67"
	Polished	47-G424/42/F/LG/C/FT	1/2"	Center	1.67"
	Satin	49-G424/42/F/LG/L/FL	1/2"	Corner	1.67"
	Polished	47-G424/42/F/LG/L/FL	1/2"	Corner	1.67"
	Satin	49-G424/42/W/MD/E/FE	3/8"	End	1.67"
	Polished	47-G424/42/W/MD/E/FE	3/8"	End	1.67"
	Satin	49-G424/42/W/MD/C/FT	3/8"	Center	1.67"
	Polished	47-G424/42/W/MD/C/FT	3/8"	Center	1.67"
 Fascia Mount	Satin	49-G424/42/W/MD/L/FL	3/8"	Corner	1.67"
	Polished	47-G424/42/W/MD/L/FL	3/8"	Corner	1.67"
	Satin	49-G424/42/W/LG/E/FE	1/2"	End	1.67"
	Polished	47-G424/42/W/LG/E/FE	1/2"	End	1.67"
	Satin	49-G424/42/W/LG/C/FT	1/2"	Center	1.67"
	Polished	47-G424/42/W/LG/C/FT	1/2"	Center	1.67"
 Fascia Mount	Satin	49-G424/42/W/LG/L/FL	1/2"	Corner	1.67"
	Polished	47-G424/42/W/LG/L/FL	1/2"	Corner	1.67"



PanelGrip® Glass Railing System



The PanelGrip® dry glaze system uses a unique locking mechanism made of high-strength aluminum and PVC isolators combined with a specially designed aluminum shoe moulding, creating a fast and easy way to install glass railing. There's no need for messy fillers or special tools, creating significant savings in labor and shipping costs.

Reduce Labor Costs up to 50%

- No sealing of shoe, no setting blocks, no plumbing of glass, no multiple pours of cement, no waiting for cement to cure.

Reduce Freight Costs up to 30%

- PanelGrip shoe is almost 30% lighter than standard shoe yet meets structural load requirements for railings.

Broadest Grip Range of any Dry Glaze Option

- Made for nominal 1/2" tempered monolithic glass or tempered laminated DuPont™ SentryGlas®, but will work for any panel between .450" and .515".

No Special Tools Required

- All you need is an Allen wrench for installation or removal.

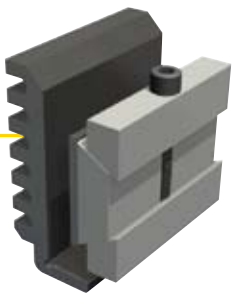
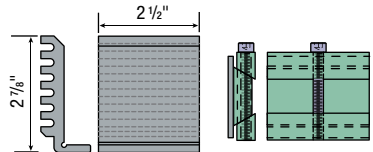
No Mess

- No mixing and pouring of expansion cement.
- No running of cement on incline.

PanelGrip® Assembly*

Secures 1/2" glass panel in shoe moulding without cement!

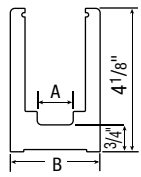
ITEM #	MATERIAL	QTY
PG2450S	Aluminum/PVC	1 Unit
PG2450	Aluminum/PVC	Package of 4



PanelGrip® Shoe Moulding for 1/2" Glass*

For mounting glass panel railing with PanelGrip® Assembly.

ITEM #	MATERIAL	HOLES	LENGTH	LB./FT.	A	B
50-A127B/20	Aluminum	None	20'	5.98	1"	2-1/2"
50-A127B/CS/20	Aluminum	Countersunk	20'	5.98	1"	2-1/2"
50-A127B/CB/20	Aluminum	Counterbore	20'	5.98	1"	2-1/2"



Available with two hole configurations drilled 12" on center beginning 6" from the end:

- Countersunk Holes are drilled for 1/2" flat head socket screws for attachment to tapped steel substrate.
- Counterbored Holes are for 3/8" 4" Wedge-Bolt® (not included) anchors for attachment to concrete.

Pre-drilled Options for PanelGrip Shoe



Top Closure for PanelGrip® Aluminum Shoe Moulding

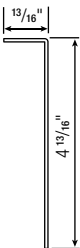
ITEM #	MATERIAL	APPLICATION
85-ABI1006	Rubber	Use without cladding
85-ABI1007	Rubber	Use with cladding



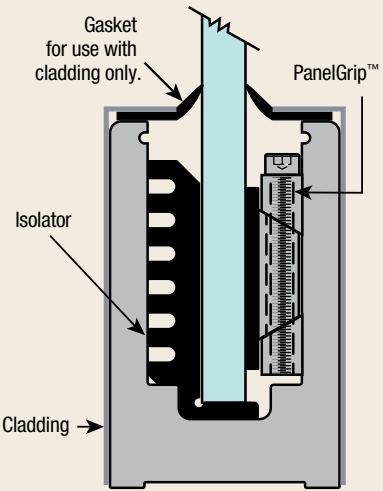
Cladding

For use with PanelGrip® Aluminum Base as a decorative cover.

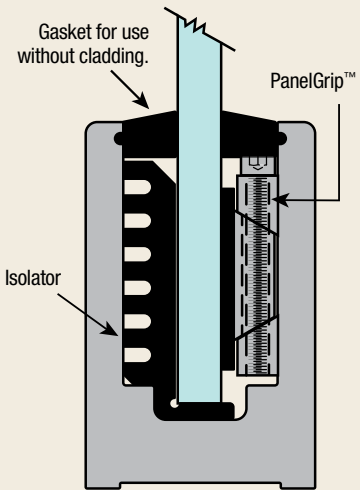
ITEM #	MATERIAL	FINISH
Call	Stainless Steel	Satin
Call	Stainless Steel	Polished



Cross-section diagram of PanelGrip® Assembly*



With Cladding



Without Cladding

Wet-Glaze Aluminum Shoe Moulding

Freestanding, frameless Glass Railing Systems offer a classically modern look to your project. The traditional, wet-glaze installation method is a tried and true process that firmly secures the glass into the aluminum base shoe. Mount the shoe directly to the floor or side mount as a fascia-mount.

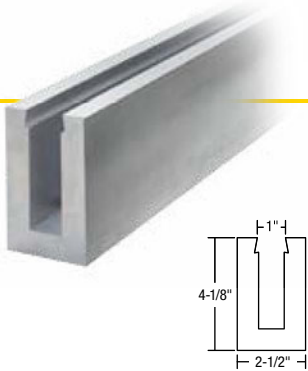
Add the finishing touch to your Glass Railing project by adding a Channel Tubing handrail. We offer all the necessary components to make installation a breeze. Please see pages 26–27 for more information.

Aluminum Shoe Moulding for 1/2" Glass

Creates a clean look in Glass Railing.

ITEM #	MATERIAL	PRE-DRILLED HOLES	LENGTH
50-A123B/20	Aluminum	none	20'
50-A123B/DR/20	Aluminum	yes	20'
50-A123B/CB/20	Aluminum	counter-bored	20'

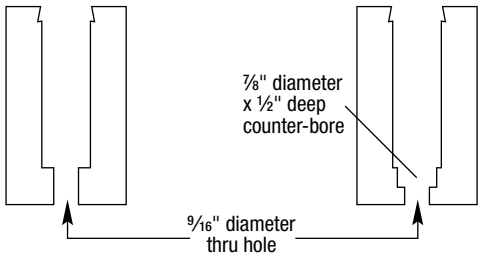
Use with A114U Channel Tube and 85-CTI Rubber Insert. See Page 26.



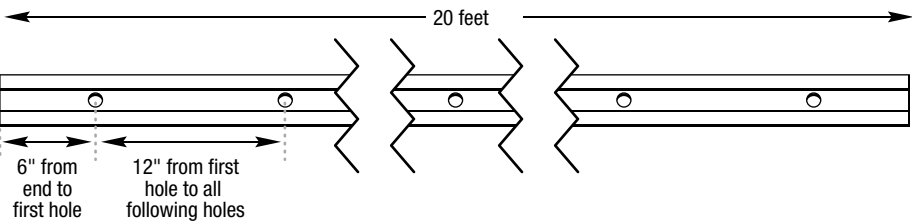
Pre-drilled Hole Sizes

Pre-drilled Thru Hole

Counter-bored Hole



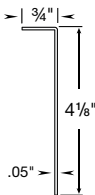
Pre-drilled Hole Locations



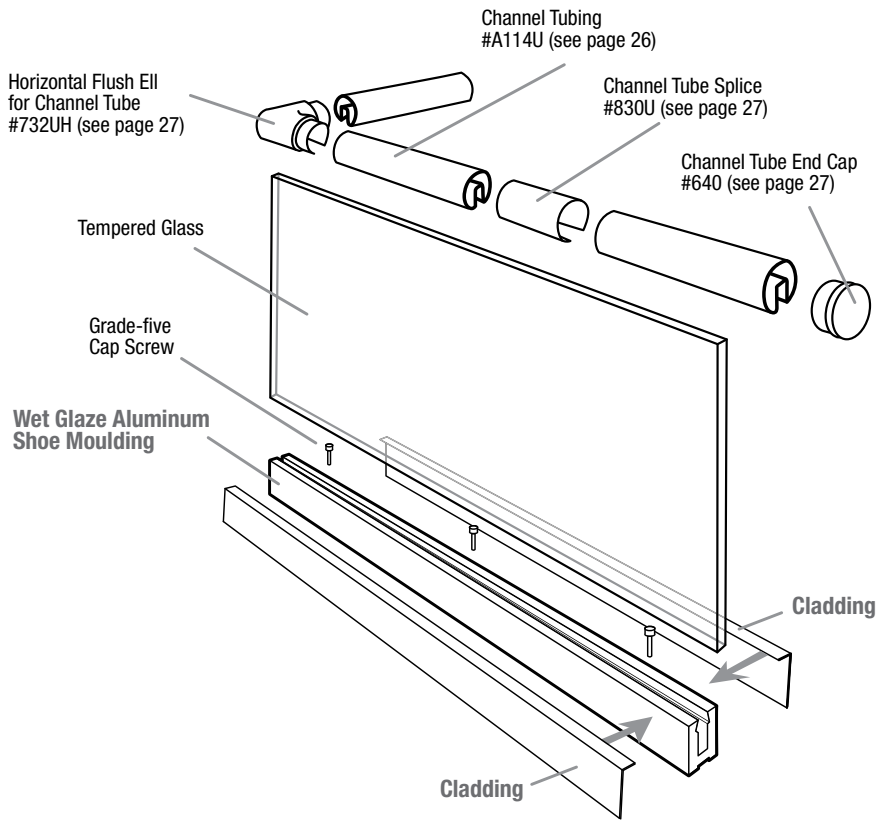
Solid Stainless Steel Cladding

Creates a finished look for the mill-finish aluminum shoe.

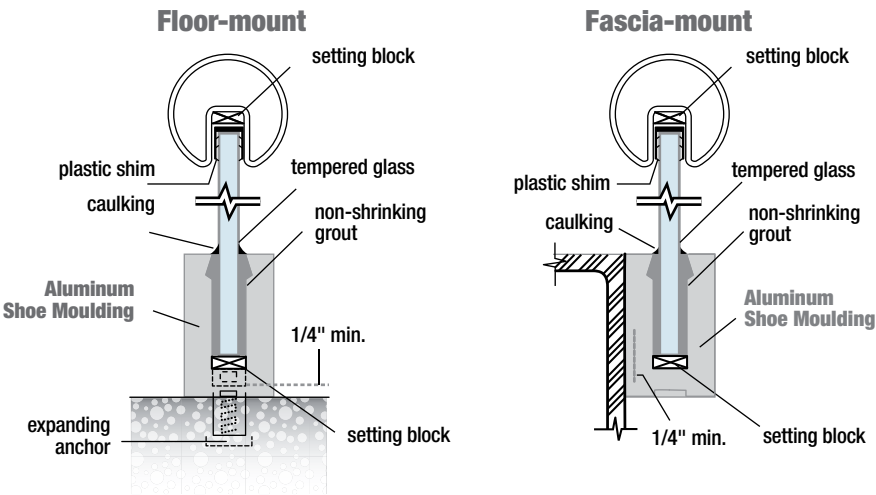
ITEM #	MATERIAL	FINISH	LENGTH
47-CLD04/10	316 Stainless Steel	Polished	10'
49-CLD04/10	316 Stainless Steel	Satin	10'



Glass Railing Assembly



Mounting Conditions



Channel Tubing

Glass railing offers a clean, elegant and open solution for any environment.

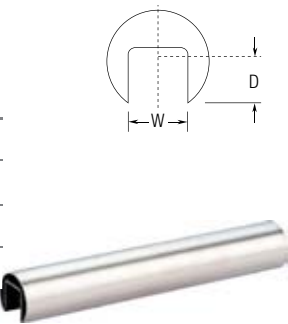
Channel tubing is used to cap the top of the glass panel and gives the railing a finished look.



Channel Tube

Used to finish the top of glass railing.

ITEM #	MATERIAL	FINISH	OD	WALL THICK	LENGTH	W	D
44-A114U/16	304	Satin	1.67"	0.06"	16'	0.94"	0.94"
40-A114U/16	304	Polished	1.67"	0.06"	16'	0.94"	0.94"
49-A114U/16	316	Satin	1.67"	0.06"	16'	0.94"	0.94"
47-A114U/16	316	Polished	1.67"	0.06"	16'	0.94"	0.94"



Channel Tube Insert

Used to secure glass inside a Channel Tube.

ITEM #	MATERIAL	GLASS THICK	LENGTH
85-CTI1002	Rubber	1/2"	100'
85-CTI1003	Rubber	3/4"	100'



Channel Tube Fittings

Horizontal Flush Ell for Channel Tube

Connects channel tube in 90° angle horizontally.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-732UH/424	316	Satin	1.67	0.06"	1.14"	1.14"
47-732UH/424	316	Polished	1.67	0.06"	1.14"	1.14"



Vertical Flush Ell for Channel Tube

Connects channel tube in 90° angle vertically.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-732UV/424	316	Satin	1.67	0.06"	1.14"	1.14"
47-732UV/424	316	Polished	1.67	0.06"	1.14"	1.14"



Channel Tube Splice

Connects channel tube in a straight line.

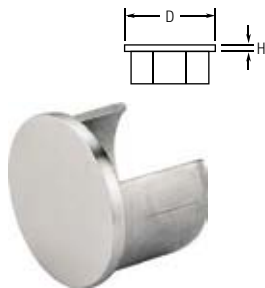
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W
49-830U/424	316	Satin	1.67"	.06"	0.24"
47-830U/424	316	Polished	1.67"	.06"	0.24"



Channel Tube End Cap

Closes the end of a channel tube.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	D	H
49-640/424	316	Satin	1.67"	.06"	1.67"	0.16"
47-640/424	316	Polished	1.67"	.06"	1.67"	0.16"



Specially designed to fit with glass channel tube, these fittings add a design dimension to the standard linear aspect of glass railing.

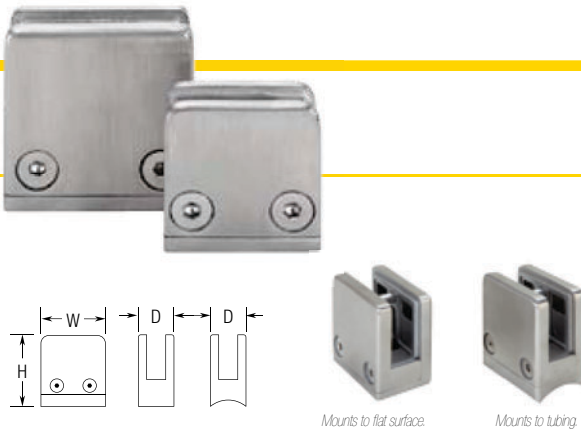
In addition to the tight fit, each fitting has threaded screw bosses for a more secure connection.



Glass Grips

Square Glass Grips

ITEM #	MATERIAL	FINISH	W	H	D	GLASS THICKNESS	MOUNTS ON TO
SMALL GRIPS							
49-850S/F	316	Satin	1.7"	1.7"	.94"	1/4" or 3/8"	Flat Surface
47-850S/F	316	Polished	1.7"	1.7"	.94"	1/4" or 3/8"	Flat Surface
49-850S/1H	316	Satin	1.7"	1.7"	.94"	1/4" or 3/8"	1.5" Tube
47-850S/1H	316	Polished	1.7"	1.7"	.94"	1/4" or 3/8"	1.5" Tube
49-850S/424	316	Satin	1.7"	1.7"	.94"	1/4" or 3/8"	1.67" Tube
47-850S/424	316	Polished	1.7"	1.7"	.94"	1/4" or 3/8"	1.67" Tube
LARGE GRIPS							
49-860S/F	316	Satin	2.13"	2.13"	1.3"	3/8" or 1/2"	Flat Surface
47-860S/F	316	Polished	2.13"	2.13"	1.3"	3/8" or 1/2"	Flat Surface
49-860S/424	316	Satin	2.13"	2.13"	1.3"	3/8" or 1/2"	1.67" Tube
47-860S/424	316	Polished	2.13"	2.13"	1.3"	3/8" or 1/2"	1.67" Tube



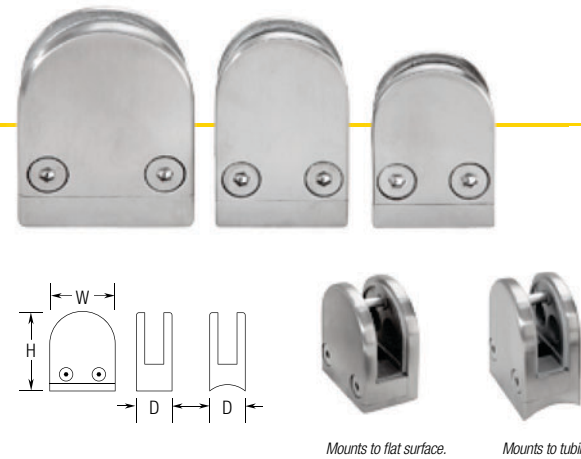
Rubber Inserts for Square Glass Grips

ITEM #	USE WITH	GLASS THICKNESS
85-GGI1003	Small Grips	1/4"
85-GGI1004	Small Grips	3/8"
85-GGI1005	Large Grips	3/8"
85-GGI1006	Large Grips	1/2"



Radius Glass Grips

ITEM #	MATERIAL	FINISH	W	H	D	GLASS THICKNESS	MOUNTS ON TO
SMALL GRIPS							
49-850R/424	316	Satin	1.5"	1.93"	1"	1/4" or 3/8"	1.67" Tube
47-850R/424	316	Polished	1.5"	1.93"	1"	1/4" or 3/8"	1.67" Tube
MEDIUM GRIPS							
49-851R/F	316	Satin	1.7"	2.32"	1.02"	1/4" or 3/8"	Flat Surface
47-851R/F	316	Polished	1.7"	2.32"	1.02"	1/4" or 3/8"	Flat Surface
49-851R/1H	316	Satin	1.7"	2.32"	1.02"	1/4" or 3/8"	1.5" Tube
47-851R/1H	316	Polished	1.7"	2.32"	1.02"	1/4" or 3/8"	1.5" Tube
49-851R/424	316	Satin	1.7"	2.32"	1.02"	1/4" or 3/8"	1.67" Tube
47-851R/424	316	Polished	1.7"	2.32"	1.02"	1/4" or 3/8"	1.67" Tube
49-852R/424*	316	Satin	1.7"	2.32"	1.15"	1/2"	1.67" Tube
47-852R/424*	316	Polished	1.7"	2.32"	1.15"	1/2"	1.67" Tube
LARGE GRIPS							
49-860R/F	316	Satin	2.32"	2.36"	1.3"	3/8" or 1/2"	Flat Surface
47-860R/F	316	Polished	2.32"	2.36"	1.3"	3/8" or 1/2"	Flat Surface
49-860R/2	316	Satin	2.32"	2.36"	1.3"	3/8" or 1/2"	2" Tube
47-860R/2	316	Polished	2.32"	2.36"	1.3"	3/8" or 1/2"	2" Tube



Rubber Inserts for Radius Glass Grips

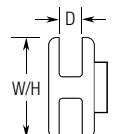
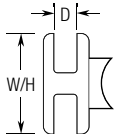
ITEM #	USE WITH	GLASS THICKNESS
85-GGI1007	Small Grips	1/4"
85-GGI1008	Small Grips	3/8"
85-GGI1009	Medium Grips	1/4"
85-GGI1010	Medium Grips	3/8"
85-GGI1015*	Medium Grips	1/2"
85-GGI1013	Large Grips	3/8"
85-GGI1011	Large Grips	1/2"



Rubber Inserts come in pairs.

Round Glass Grips

ITEM #	MATERIAL	FINISH	W	H	D	GLASS THICKNESS	MOUNTS ON TO
CENTER GRIPS							
49-846C/F	316	Satin	2.36"	2.36"	1/2"	1/2"	Flat Surface
49-846C/424	316	Satin	2.36"	2.36"	1/2"	1/2"	1.67" Tube
END GRIPS							
49-846E/F	316	Satin	2.36"	2.36"	1/2"	1/2"	Flat Surface
49-846E/424	316	Satin	2.36"	2.36"	1/2"	1/2"	1.67" Tube



Rubber Inserts for Round Glass Grips

ITEM #	USE WITH	GLASS THICKNESS
85-GGI1002	Round Grips	1/2"



Rubber Inserts come in pairs.



Mounts to flat surface. Mounts to tubing.

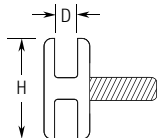
Universal Round Glass Grip

ITEM #	MATERIAL	FINISH	D	H	MOUNTS TO
49-842/F	316	Satin	Up to 1/2"	1.57"	Flat Surface
49-842/424	316	Satin	Up to 1/2"	1.57"	1.67"-diameter tube



Mounts to flat surface.

Mounts to tubing.



Handrail Brackets

Handrail brackets serve the simple yet important function of supporting horizontal and stair rail tubing. Fixed and adjustable brackets are among the options. Available in satin and polished finishes, they allow for a modern looking and solid solution to both outdoor and indoor needs.

Handrail Bracket

Standard bracket for mounting railing on walls.

ITEM #	MATERIAL	FINISH	TUBE	CP	D
49-301/1H	316	Satin	1.5"	2.56"	2.5"
47-301/1H	316	Polished	1.5"	2.56"	2.5"
49-301/424	316	Satin	1.67"	2.5"	2.56"
47-301/424	316	Polished	1.67"	2.5"	2.56"
49-301/2	316	Satin	2"	2.75"	2.5"
47-301/2	316	Polished	2"	2.75"	2.5"



Glass-mounted Handrail Bracket

Mounts directly to glass panel railing to support a handrail.

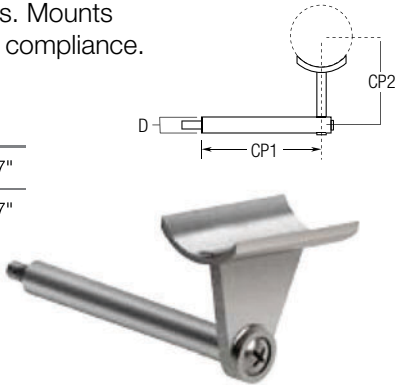
ITEM #	MATERIAL	FINISH	TUBE	CP	D
49-304/1H*	316	Satin	1.5"	2.625"	2.5"
47-304/1H*	316	Polished	1.5"	2.625"	2.5"
49-304/2*	316	Satin	2"	2.625"	2.5"
47-304/2*	316	Polished	2"	2.625"	2.5"



Post-mounted Handrail Bracket

Secondary handrail bracket for prefabricated posts. Mounts easily onto a post to add a lower handrail for ADA compliance.

ITEM #	MATERIAL	FINISH	TUBE	CP1	CP2	D
49-308PM/1H*	316	Satin	1.5"	2.25"	2.125"	0.47"
47-308PM/1H*	316	Polished	1.5"	2.25"	2.125"	0.47"



Tall Handrail Saddles

Tall straight saddle is used to connect a vertical post to a horizontal tube, creating a handrail.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-350/424	316	Satin	1.67"	0.08"	3"
49-350/216	316	Satin	2"	0.062"	3"

The tall adjustable saddle is used to connect a vertical post to a horizontal tube at an angle for stair applications.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-350A/424	316	Satin	1.67"	0.08"	3"



Short Handrail Saddles

The short straight saddle is used to connect a vertical post to a horizontal tube, creating a handrail.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-352/424	316	Satin	1.67"	0.08"	2"
49-352/216	316	Satin	2"	0.06"	2"

The short adjustable saddle is used to connect a vertical post to a horizontal tube at an angle for stair applications.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-352A/424	316	Satin	1.67"	0.08"	2"

The short corner saddle is used to connect a vertical post to horizontal tubing at a right angle for corner applications.

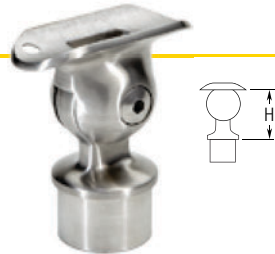
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-352L/424	316	Satin	1.67"	0.08"	2"



Adjustable Ball Saddle

Used to connect a vertical post to a horizontal tube, enabling it to be angled for stair applications.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-821/424	316	Satin	1.67"	0.08"	2.5"
47-821/424	316	Polished	1.67"	0.08"	2.5"
49-821/1H16*	316	Satin	1.5"	0.06"	1.7"



Post-Mounting Hardware

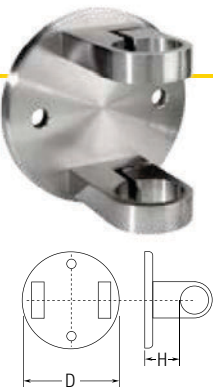
Fascia mounting allows supporting posts or rails to be mounted to the sides of staircases or directly to walls. Our stylish fascia mounts are the perfect solution when either the situation, design or materials make it inaccessible for floor- or surface-mounting.



Fascia Mount

Tubing is threaded through dual round clamps which, when tightened with screws, offer a secure connection.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	D	H
49-WA102/424	316	Satin	1.67"	0.08"	4.72"	1.77"
49-WA102/1H	316	Satin	1.5"	0.06"	4.72"	1.88"
49-WA102/2	316	Satin	2"	0.06"	4.72"	Call



Fascia Mount

Tubing passes through one round clamp and terminates on a secure bottom cap.

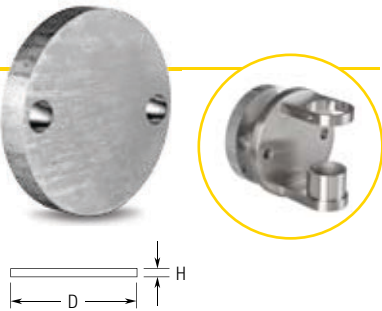
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	D	CP
49-WA103/424	316	Satin	1.67"	0.08"	4.33"	1.97"
47-WA103/424	316	Polished	1.67"	0.08"	4.33"	1.97"
49-WA103/1H	316	Satin	1.5"	0.06"	4.33"	1.97"
49-WA103/2	316	Satin	2"	0.06"	4.33"	2.07"



Spacer

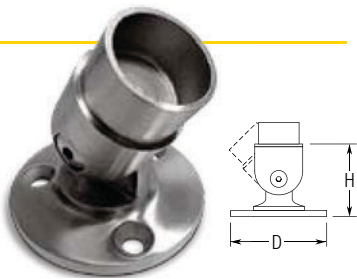
Used to create a stand-off from the mounting surface for a fascia mount.

ITEM #	MATERIAL	FINISH	D	H
51-WAS001/4	Aluminum	Mill	4"	5/8"



Adjustable Angle Flange

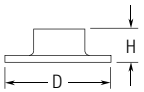
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	D	H
49-533/424*	316	Satin	1.67"	0.08"	3.35"	2.38"



Wall Flange

An elegant flange useful for mounting tube to walls or surface. Light duty.

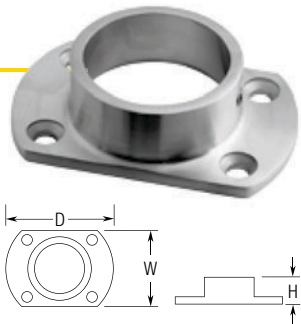
ITEM #	MATERIAL	FINISH	TUBE	D	H
49-510/424	316	Satin	1.67"	3.35"	1"
47-510/424	316	Polished	1.67"	3.35"	1"
49-510/1H	316	Satin	1.5"	3.15"	1"
47-510/1H	316	Polished	1.5"	3.15"	1"
49-530/2	316	Satin	2"	3.75"	1"
47-530/2	316	Polished	2"	3.75"	1"



Cut Wall Flange

A flange useful for placing tube in tight locations.

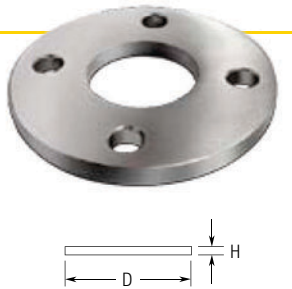
ITEM #	MATERIAL	FINISH	TUBE	D	W	H
49-511/424	316	Satin	1.67"	3.35"	2.12"	1"



Floor Flange

Suitable for stronger support. Designed to be welded to tube and to be used with a flange canopy.

ITEM #	MATERIAL	FINISH	TUBE	D	H
49-541/424	316	Satin	1.67"	3.94"	.32"
49-541/1H	316	Satin	1.5"	3.94"	.32"
49-541/2	316	Satin	2"	4.93"	.32"



Flange Canopy

Canopy designed to cover floor flanges.

ITEM #	MATERIAL	FINISH	TUBE	D	CD	H
49-540/424	316	Satin	1.67"	4.13"	1.69"	1"
47-540/424	316	Polished	1.67"	4.13"	1.69"	1"
49-540/1H	316	Satin	1.5"	4.13"	1.52"	1"
47-540/1H	316	Polished	1.5"	4.13"	1.52"	1"
49-540/2	316	Satin	2"	5.13"	2.02"	1"
47-540/2	316	Polished	2"	5.13"	2.02"	1"



Wall flanges and floor flanges available for almost any mounting condition. Available with matching hardware.



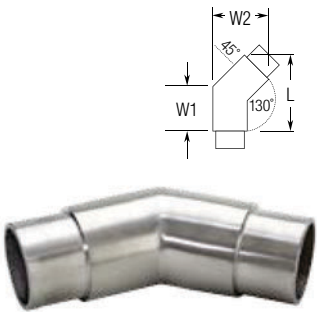
Flush Fittings

Flush fittings allow for a large variety of tube connection options, for railing or other projects such as bathroom sink vanities or store shelving/ displays. A variety of 90 degree angle options are available. Plus by using an adjustable ell, you can create additional angles.

Flush 135° Angle

Useful for creating 45° angle when using one and 90° angles when using two of these.

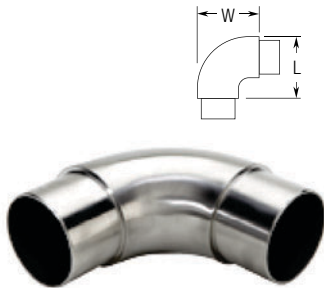
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W1	W2	L
49-730/424	316	Satin	1.67"	0.08"	1.97"	2.60"	3.34"
47-730/424	316	Polished	1.67"	0.08"	1.97"	2.60"	3.34"
49-730/1H16	316	Satin	1.5"	.06"	1.77"	Call	3.18"
47-730/1H16	316	Polished	1.5"	.06"	1.77"	Call	3.18"
49-730/216	316	Satin	2"	.06"	1.96"	Call	3.40"
47-730/216	316	Polished	2"	.06"	1.96"	Call	3.40"



Flush Radius Ell

Connect two tubes at a 90° angle.

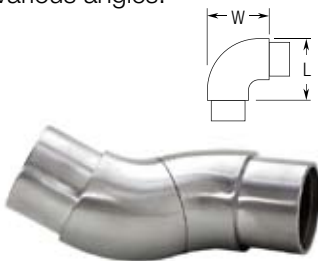
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-731/424	316	Satin	1.67"	0.08"	2.50"	2.56"
47-731/424	316	Polished	1.67"	0.08"	2.50"	2.56"
49-731/1H16	316	Satin	1.5"	.06"	2.09"	2.17"
47-731/1H16	316	Polished	1.5"	.06"	2.09"	2.17"
49-731/216	316	Satin	2"	.06"	2.91"	3.00"
47-731/216	316	Polished	2"	.06"	2.91"	3.00"



Adjustable Radius Ell

Same look as the Flush Radius Ell and can be used for various angles.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-731A/424	316	Satin	1.67"	0.08"	2.76"	2.76"
47-731A/424	316	Polished	1.67"	0.08"	2.76"	2.76"



Flush Ell

Connect two tubes at a 90° angle.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-732/424	316	Satin	1.67"	0.08"	2.56"	2.56"
47-732/424	316	Polished	1.67"	0.08"	2.56"	2.46"
49-732/1H16	316	Satin	1.5"	.06"	2.09"	2.09"
47-732/1H16	316	Polished	1.5"	.06"	2.09"	2.09"
49-732/216	316	Satin	2"	.06"	2.64"	2.64"
47-732/216	316	Polished	2"	.06"	2.64"	2.64"



Adjustable Flush Ell

Connect two tubes at various angles.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-732A/424	316	Satin	1.67"	0.08"	2.25"
47-732A/424	316	Polished	1.67"	0.08"	2.25"
49-732A/1H16	316	Satin	1.5"	.06"	1.75"
47-732A/1H16	316	Polished	1.5"	.06"	1.75"
49-732A/216	316	Satin	2"	.06"	2.25"
47-732A/216	316	Polished	2"	.06"	2.25"



Flush Side Outlet Ell

Connect three tubes at 90° angles.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-733/424	316	Satin	1.67"	0.08"	2.56"	2.56"
47-733/424	316	Polished	1.67"	0.08"	2.56"	2.56"
49-733/1H16	316	Satin	1.5"	.06"	2.33"	2.33"
47-733/1H16	316	Polished	1.5"	.06"	2.33"	2.33"
49-733/216	316	Satin	2"	.06"	2.36"	2.36"
47-733/216	316	Polished	2"	.06"	2.36"	2.36"





Flush Tee

Connect three tubes: one at a 90° angle and two in a straight line.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-734/424	316	Satin	1.67"	0.08"	3.43"	2.56"
47-734/424	316	Polished	1.67"	0.08"	3.43"	2.56"
49-734/1H16	316	Satin	1.5"	.06"	3.02"	2.31"
47-734/1H16	316	Polished	1.5"	.06"	3.02"	2.31"
49-734/216	316	Satin	2"	.06"	3.58"	2.58"
47-734/216	316	Polished	2"	.06"	3.58"	2.58"



Flush Side Outlet Tee

Commonly used when connecting center rails at 90° angles.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-735/424	316	Satin	1.67"	0.08"	3.5"	2.56"
47-735/424	316	Polished	1.67"	0.08"	3.5"	2.56"
49-735/1H16	316	Satin	1.5"	.06"	3.02"	2.31"
47-735/1H16	316	Polished	1.5"	.06"	3.02"	2.31"
49-735/216	316	Satin	2"	.06"	3.58"	2.58"
47-735/216	316	Polished	2"	.06"	3.58"	2.58"



Flush Cross

Rare fitting used to connect four tubes at 90° angles.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	L
49-736/424	316	Satin	1.67"	.08"	3.43"	3.43"
47-736/424	316	Polished	1.67"	.08"	3.43"	3.43"



Perpendicular Collar

Connect one tube to another by welding or using a screw and insert.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H
49-818/424	316	Satin	1.67"	0.08"	0.25"
47-818/424	316	Polished	1.67"	0.08"	0.25"
49-818/1H16	316	Satin	1.5"	.06"	0.25"
47-818/1H16	316	Polished	1.5"	.06"	0.25"
49-818/216	316	Satin	2"	.06"	0.25"
47-818/216	316	Polished	2"	.06"	0.25"



Splice

Connects two tubes in a straight line with a small center piece in a matching finish.

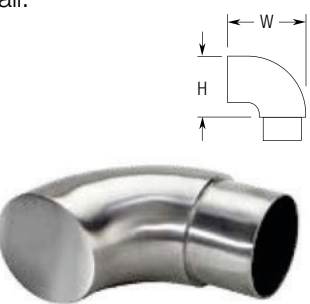
ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W
49-830/424	316	Satin	1.67"	0.08"	0.16"
47-830/424	316	Polished	1.67"	0.08"	0.16"
49-830/1H16	316	Satin	1.5"	0.06"	0.20"
47-830/1H16	316	Polished	1.5"	0.06"	0.20"
49-830/216	316	Satin	2"	0.06"	0.20"
47-830/216	316	Polished	2"	0.06"	0.20"



Radius Wall Return

Brings the end of a wall-mounted handrail toward the wall.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	W	H
49-608/424	316	Satin	1.67"	0.08"	2.56"	2.56"
47-608/424	316	Polished	1.67"	0.08"	2.56"	2.56"
49-608/1H16	316	Satin	1.5"	0.06"	3.68"	3.68"
47-608/1H16	316	Polished	1.5"	0.06"	3.68"	3.68"
49-608/216	316	Satin	2"	0.06"	3.75"	3.75"
47-608/216	316	Polished	2"	0.06"	3.75"	3.75"



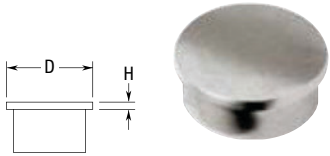
End Caps and Finials

Finial options allow the end of a tube to be safely sealed. Radius wall returns offer the ability to wrap wall-mounted rail towards the wall. Flush end caps are designed to fit in by pressure: simply use a rubber hammer to hit the piece into place.

End Caps

Flush End Cap provides a clean, flat end for tubing.

ITEM #	MATERIAL	FINISH	WALL THICK	D	H
49-600/1H16*	316	Satin	0.06"	1.5"	0.13"
47-600/1H16*	316	Polished	0.06"	1.5"	0.13"
49-600/216*	316	Satin	0.06"	2"	0.13"
47-600/216*	316	Polished	0.06"	2"	0.13"



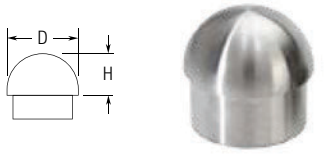
Knurled End Cap creates a flat, finished end for tubing. The knurled texture on the neck provides a secure pressure fit.

ITEM #	MATERIAL	FINISH	WALL THICK	D	H
49-600PF/424	316	Satin	.08"	1.67"	0.14"
47-600PF/424	316	Polished	.08"	1.67"	0.14"
49-600PF/1H16	316	Satin	.06"	1.5"	0.14"
47-600PF/1H16	316	Polished	.06"	1.5"	0.14"
49-600PF/216	316	Satin	.06"	2"	0.14"
47-600PF/216	316	Polished	.06"	2"	0.14"



Half-ball Rounded End Cap creates a rounded, finished end for tubing.

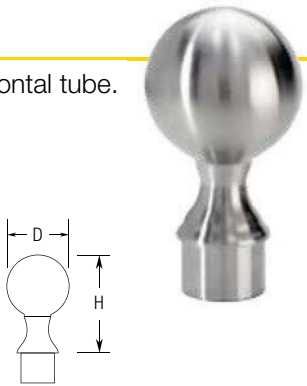
ITEM #	MATERIAL	FINISH	WALL THICK	D	H
49-602/424	316	Satin	0.08"	1.67"	0.83"
47-602/424	316	Polished	0.08"	1.67"	0.83"



Ball Finial

Decorative ball that closes the end of a vertical or horizontal tube.

ITEM #	MATERIAL	FINISH	TUBE	WALL THICK	H	D
49-604/424	316	Satin	1.67"	0.08"	4.09"	2.75"
47-604/424	316	Polished	1.67"	0.08"	4.09"	2.75"
49-604/1H16	316	Satin	1.5"	0.06"	4.05"	2.75"
47-604/1H16	316	Polished	1.5"	0.06"	4.05"	2.75"
49-604/216	316	Satin	2"	0.06"	4.55"	3.08"
47-604/216	316	Polished	2"	0.06"	4.55"	3.08"



Radius Wall Return

For details, please see page 37.



* NEW PRODUCT!

Tubing

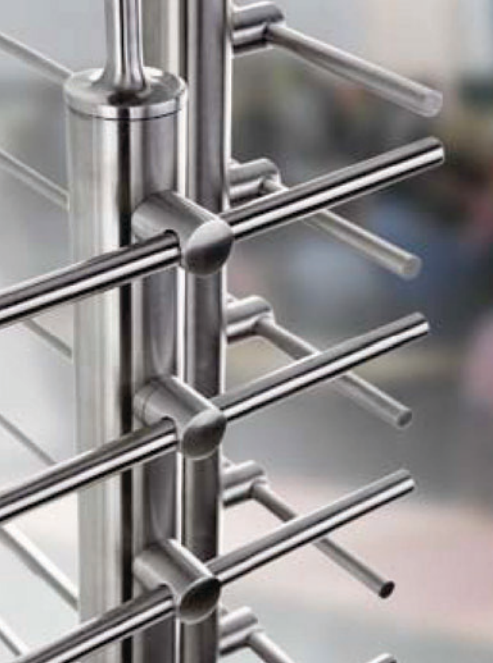
ITEM #	MATERIAL	FINISH	OD	WALL THICK	LENGTH
49-A111/20	316	Satin	1.5"	0.06"	20'
47-A111/20	316	Polished	1.5"	0.06"	20'
49-A114/20	316	Satin	1.67"	0.08"	20'
47-A114/20	316	Polished	1.67"	0.08"	20'
49-A121/20	316	Satin	2"	0.06"	20'
47-A121/20	316	Polished	2"	0.06"	20'



Adhesive and Polish

ITEM #	PRODUCT	DESCRIPTION
00202	Lavi Metal Polish	Polish
00201	Loctite 326	Adhesive
00211	Loctite 7649	Primer
00203	MAAS Stainless Steel Cleaner	Cleaner
00204	MAAS Polishing Cloth	Cloth





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Lavi Industries *Stainless Steel Railing Systems*

Lavi Industries Corporate Headquarters

27810 Avenue Hopkins
Valencia, CA 91355
800.624.6225
661.257.7800
661.257.4938 FAX

Lavi Industries, New York

2 Geneva Road
Brewster, NY 10509
877.213.LAVI (877.213.5284)
845.278.1766
845.278.1765 FAX

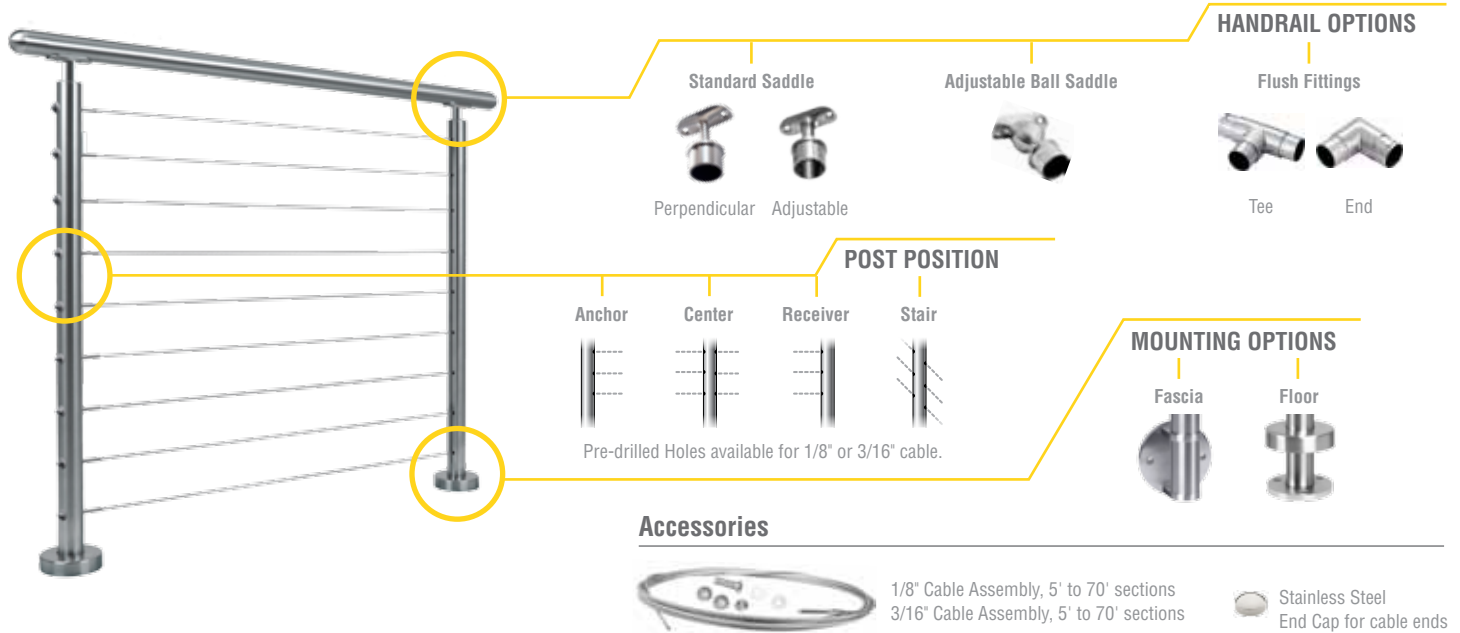
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316 Stainless Steel Railing Systems



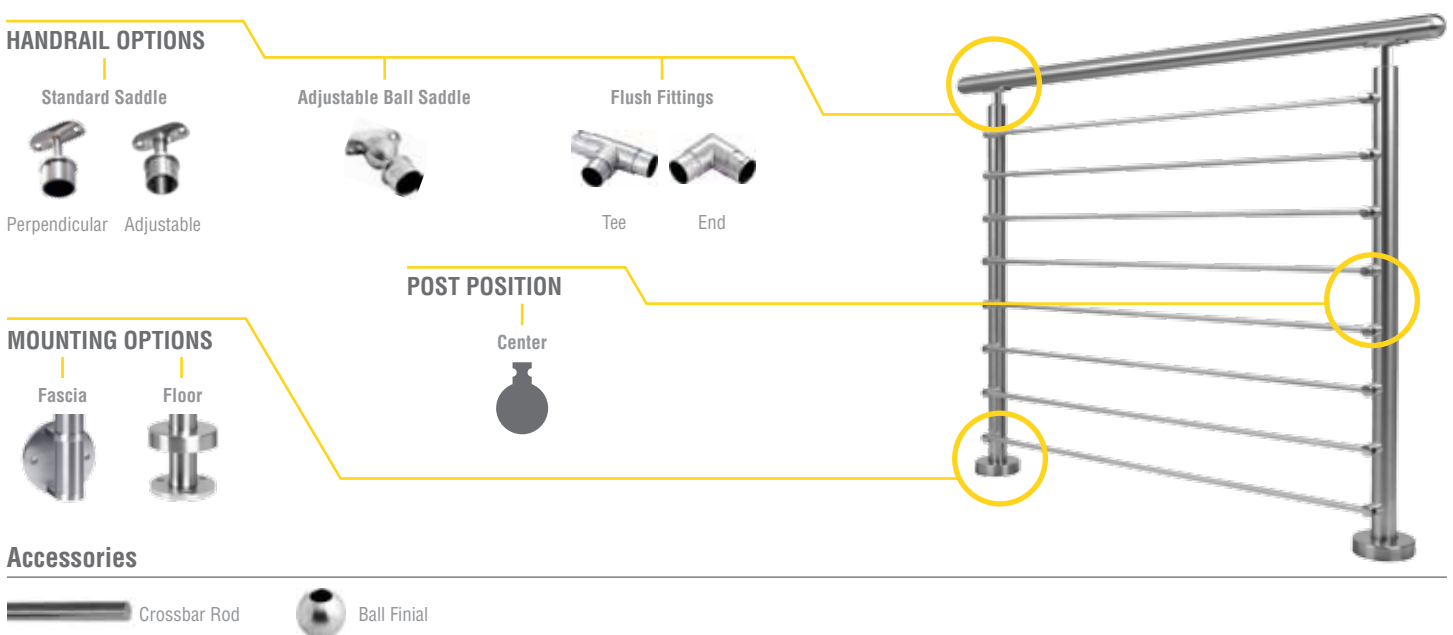
Prefabricated Post for Cable for 36" Standard & 42" Guardrail

Cable rail is an efficient railing infill that also provides a clear view through the railing. It is an elegant design alternative and is ideal for use on outdoor decks.



Prefabricated Post for Crossbar for 36" Standard & 42" Guardrail

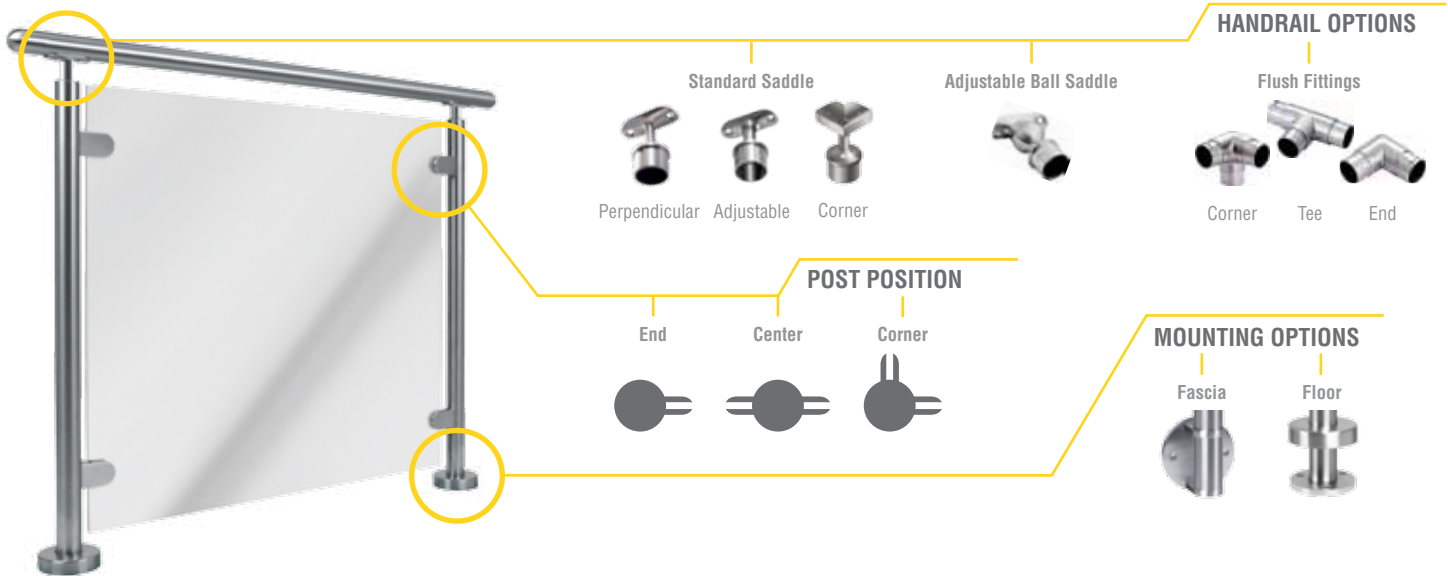
Crossbar rail offers a contemporary look while also delivering a solid railing solution. This system is ideal for modern commercial and residential installations.



316 Stainless Steel Railing Systems

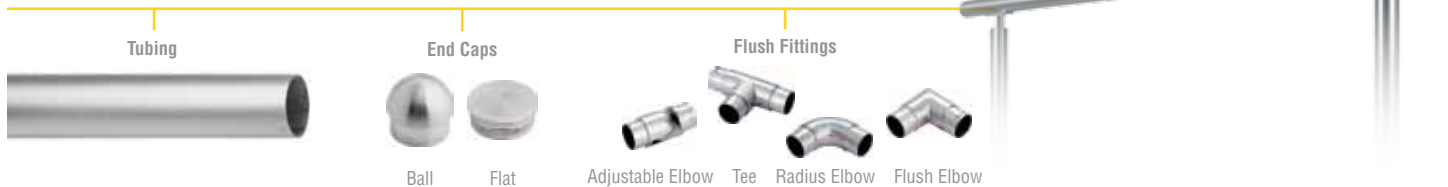
Prefabricated Post for Glass for 36" Standard & 42" Guardrail

Glass rail solutions for 1/2" and 3/8" thick glass provide an unobstructed view as well as an easy-to-install alternative.



Handrail Accessories

Handrail accessories enable any of the cable, crossbar or glass railings system to be completed by using a series of flush fittings that are easy to connect using adhesive.



Aluminum Shoe and Cap Rail System for 36" Standard & 42" Guardrail

A cost effective glass rail system for 1/2" and 3/4" thick glass offers the ability to provide a space-expanding effect when combined with reflective surfaces.

