

Reference: Railings

Component Selection

Tubing:

Railings are generally fabricated from 18 gauge (.049) satin finish stainless steel tubing and are available in 1", 1-1/4" or 1-1/2" outside diameter. Brass tubing and other finishes are available by special request.

Flanges: (See grab bar mounting kits in the Technical Notes for flange details)

Flange types (A, B, & C) are exposed screw mount. Type (D) has a concealed flange which locks to a tenon plate with stainless steel set screws after the tenon plate has been mounted. Types (E & F) are snap-on flanges which install like the exposed flanges. Snap-on flanges have factory installed covers which snap over the flanges completely concealing the mounting screws. Other flanges are available by special order.

Ends:

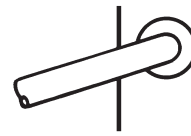
Flanged end returns (-10) are the most common railing ends specified. (-15) stops approximately 1/4" from the wall and requires a support within 7" - 9". An adjacent wall mount (-40) may be used on a surface 90 degrees to the axis of the railing providing there is a sufficient space for mounting the flange.



-10
Flanged End Return



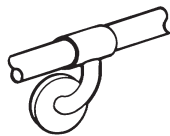
-15
End Return



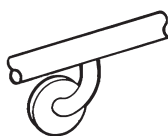
-40
Adjacent Wall Mount

Supports:

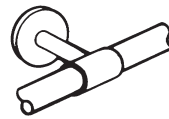
Supports can be welded directly to the railing or can be the slip type which allows them to be positioned in the field. 18 gauge x 1" diameter tubing is used to fabricate underslung (-20) & (-25) or straight back (-30) & (-35) supports. The recommended maximum span between supports is 60" for 1 1/2" tubing and 48" for 1 1/4" tubing.



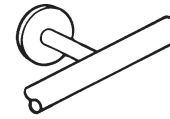
-20
Underslung Slip
Support



-25
Underslung Welded
Support



-30
Straight Back
Slip Support



-35
Straight Back
Welded Support

Bends:

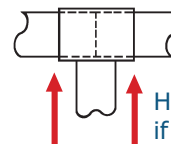
Railings can be fabricated to fit a wide variety of corridors. Bend angles are available to accommodate changes in direction as well as elevation.

Joints & Sectioning:

Railings can be fabricated up to 20 foot lengths upon request. Two sections of tubing can be joined using (-20) or (-30) slip supports (-75) with sheet metal screws or epoxy or by using an internal sleeve (-70) with epoxy adhesive.



-70
Splice with Internal Sleeve



-75
Splice Inside Slip

Hole for sheet metal screw,
if required