

# Simple Rail

## Surface Landing L160

### Kit Instructions

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## Parts

### Qty Part

- 3 62-7 Standard Railing Flanges
- 3 L160-7 Smooth Handrail Fittings
- 1 554-7 Variable Angle
- 2 514-7 Internal Couplings
- 5 84-7 Malleable Plugs
- 3 Posts (Cut @ 3')
- 1 Sloped Grab Rail
- 1 Landing Grab Rail
- 1 99-7 Allen Key

## Tools

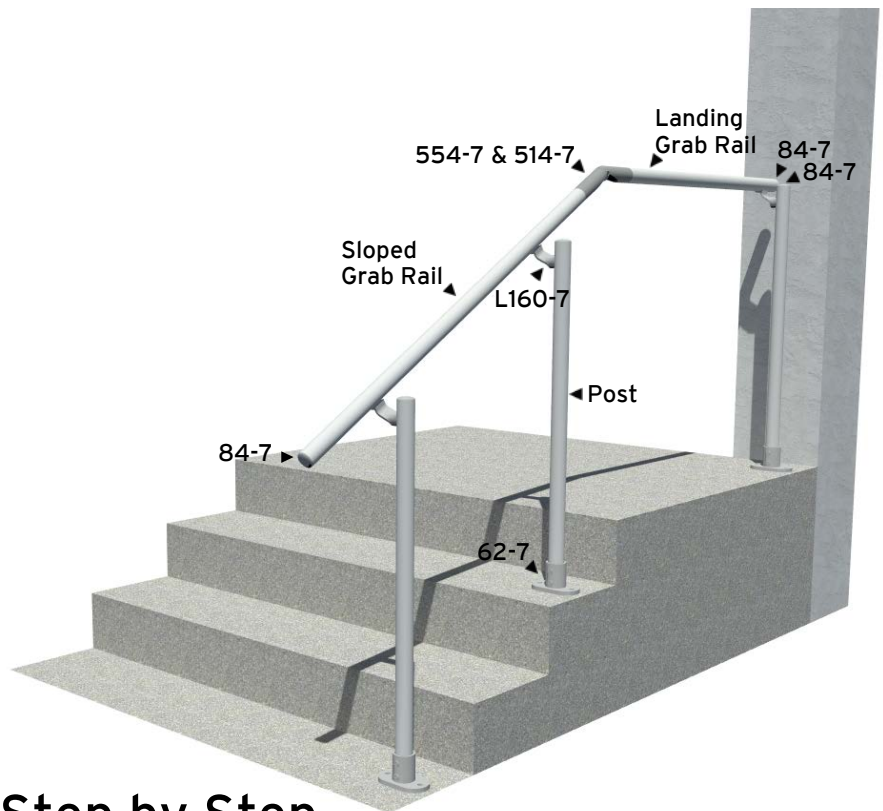
- Allen Key (included)
- Rubber Mallet/Hammer (for plugs)
- Drill/Hammer Drill
- Wrench

## Hardware Included

- 8 x 3" Sleeve Anchors (Concrete/Brick)
- 8 x 3" Lag Screws (Wood)
- 3 x Box Bolts (Upright)
- 6 x 3/4" Stainless Steel Screws (Grab Rail)
- 11/64" Drill Bit (Not Included)

## Installation Tips

1. Confirm that you have all the required parts.
2. When installing plugs, place rag or cardboard over plug and gently hammer into place.
3. If installing into concrete or brick, vacuum out debris from drilled out holes before inserting sleeve anchors.
4. If you plan on painting your rail, do so before assembling.



## Step by Step

1. Insert posts into 62-7's. Tighten set screws loosely.
2. Loosely tighten the 554-7 Variable Angle to the two grab rails using the 514-7's.
3. Line up assembled posts to desired location. Test grab rails with posts, then mark holes for the 62-7's.
4. Disassemble the posts and drill the holes for the 62-7's. Secure 62-7's to surface with included hardware.
5. Insert posts into 62-7's and mark holes for L160-7's (Approx. 2" below the top of post).
6. Drill 11/64" hole where marked on post (a pilot hole is recommended). Insert Box Bolts into L160-7's and through the 11/64" hole. Tighten Box Bolt loosely using a pair of wrenches.
7. Before installing the landing grab rail, cover 84-7 with a rag or cardboard and gently hammer into place.
8. Line up grab rails at desired location. Mark and drill pilot holes for securing grab rail to L160-7's brackets.
9. Attach grab rails with stainless steel screws and adjust as needed. Tighten Box Bolt and all set screws once complete.
10. Cover 84-7 for the sloped grab rail with a rag or cardboard and gently hammer into place.

## Questions or Installation Problems?

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