
G4000 Handrail

Installation

Accessories

G4000V	HDPE Cover
G4000WR	Continuous Wood Retainer
4001	Mounting Bracket
4001SS	Stainless Steel Mounting Bracket
4018SS	Stainless Steel Mounting Bracket w/Cover
G4002	Left Return
G4003	Right Return
G4004	Outside Corner
G4004135	135° Outside Corner
G4005	Inside Corner
G4005135	135° Inside Corner
G4006	Handrail Splice

Material must be stored, installed and used in environmentally controlled conditions

- [1] Cut the wood retainer to desired length, leaving appropriate allowance for the returns, inside corners and outside corners. Allow 5⁷/₁₆" (138mm) for each return, 1¹/₁₆" (2mm) for each inside corner and 3³/₁₆" (5mm) for each outside corner. Allow 3³/₁₆" (5mm) for each 135° outside corner and 2³/₁₆" (56mm) for each 135° inside corner.
- [2] Drill holes in the centerline of the wood retainer for brackets, using a 5¹/₁₆" drill bit. Holes should be 4" (102mm) from the ends and spaced a maximum of every 32" (813mm).
- [3] Attach the brackets to the wood retainer using one #12 x 3⁴/₄" Phillips pan head screw for each bracket. Attach returns, inside corners and outside corners to the wood retainer using one #12 x 3⁴/₄" Phillips pan head screws (one per return and two per corner). Important: Pre-drill the wood in order to prevent splitting. To allow for adjustment, leave at least a 1¹/₁₆" (1.5mm) gap between the returns/corners and the end of the aluminum retainer when sliding the two components together.
- a. Stainless Steel Brackets - The posts on stainless steel brackets are threaded. Slip either the plastic cover or stainless steel cover over the post and then insert the threaded post through the hole on the retainer. Attach the post to the retainer with a 1¹/₄" lock washer and a 1¹/₄" hex head nut.
- [4] Position the wood retainer/bracket assembly against the wall at the desired height. Level the retainer and transfer the locations of the bracket holes to the wall with a marker. Drill all marked holes on the wall with a 3⁴/₄" drill bit for toggle bolts or a 1¹/₂" drill bit for lead anchors.
- [5] Loosely attach the mounting bolts to the brackets (one 1¹/₄-20 x 5" hex head screw with phillips head slot, one 1¹/₄" lock washer and one toggle wing or lead anchor for each bracket). For stainless steel brackets, use one 1¹/₄-20 x 3" hex head screw with phillips head slot, one 1¹/₄" lock washer and one toggle wing or lead anchor. Mount the wood retainer assembly into the holes on the wall using the provided fasteners. Level and secure the retainer to the wall.
- a. Stainless Steel Brackets - After the handrail is level and the brackets are securely attached to the wall, snap either the molded cover or stainless steel cover over the mounting base.
- [6] Cut the cover to the distance between the returns and/or corners. NOTE: Trim all factory edges square before installation. (Cutting the cover 1¹/₃₂" longer will help in achieving a tight fit). Position the cover on the wood retainer at one end. Work to the other end by pushing the cover over the wood until it snaps into place.
- [7] Left and right returns should be screwed into the wall and/or retainer for added strength. Remove the bottom plate on the return and fasten screws (provided by the installer) into the wall and/or retainer through the holes located underneath the return. Re-attach the bottom plate by snapping into place.

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Drawing

