SPIRAL STAIRS AND ACCESSORIES CATALOG

Call 1-800-368-8280 for Design and Pricing Assistance

UN-COMPROMISED
Design & Strength

Spiral Stairs and Accessories Catalog
Classic Steel | Forged Iron | Solid Wood | Aluminum Deck | Galvanized Steel Exterior
Spiral Staircases of Un-compromised Design & Strength

Salter Spiral Stair has been responding to our customers’ requests for distinctive spiral stairs for more than three decades. When we engineered our first spiral stair line in 1979, we took a good look at what was available in the marketplace. We quickly came to the conclusion that there were only two types of stairs available; simple kits and expensive custom stairs.

Our goal was to design a line of affordable spiral staircases crafted with features found only on custom stairs. In doing so, we found new ways to make spiral stairs more beautiful with exclusive features all our own.

Today, Salter Spiral Stair has taken its knowledge and manufacturing expertise and creates spiral stair packages for both interior and exterior applications. Our product lines feature stairs constructed of steel, forged iron, solid wood, aluminum, and galvanized steel to meet your needs.

Knowing you want a spiral stair to reflect your home’s individual personality, we have a style for every decor. A gracefully designed and carefully crafted spiral stair will be the focal point of its chosen setting. So when selecting your stair, you will want to pay special attention to the standard and optional features that add style and elegance.

Do you compare Salter staircases to basic kits or pricey custom stairs? The answer is: both yes and no. What makes our base stair packages such a great value is that they compare in price to typical kits, but they come with many fine details ordinarily found only on custom stairs. Enclosed tread ends, intertwined balusters, 1” round steel balusters, and a generous 1 ½” round one-piece handrail are all standard items on our stair packages.

To enhance the beauty of the stair and create your own distinctive style, consider our custom options. Adding such features as solid wood tread covers, one-piece solid wood handrail, forged iron center balusters, and matching well enclosure railing will add to the custom feeling of the stair and create a masterpiece that highlight any setting.

This catalog highlights the many characteristics and features of Salter spiral staircases. We want you to have a stair that is not only functional and easy to install, but as beautiful as fine furniture. Should you have any questions or if you do not see what your looking for, please call our sales department at 800-368-8280 or 610-489-5799.

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Salter Spiral Stair, 105 G.P. Clement Drive, Collegeville, PA 19426, Toll Free: 800-368-8280
**These Design Features Make a Great Stair**

1. **Hidden weld and hardware design** – visually maintains sharp, crisp lines for an overall finished look. All welds are done on the inside of the tread so they are hidden from view.

2. **Enclosed tread ends** – stiffens the stair and helps to hide assembly hardware.

3. **1” round steel balusters with press-formed tips** – pre-set to the angle of the stair for a smooth connection to the handrail.

4. **Baluster pockets** – which allows the baluster to mount inside the tread corner.

5. **Continuous sleeve treads** – gives the center column a smooth and uniform appearance.

6. **Pre-formed solid wood handrail** – constructed in one piece in the helical shape of the stair.

7. **Solid wood tread covers** – neatly contoured around the balusters.

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**The Salter Advantage, Fine Details and Extra Features at an Economical Price**

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**A Wealth of Custom Features in Every Stock Stair**

Each product line starts with a reasonably priced base stair *(shown at right)* that can be upgraded per individual style to achieve a fully custom stair. Our base stair packages include design features normally only found on expensive stairs. So when price is a factor, you don’t have to cut quality too.
Salter Spiral Stair offers a full array of sizes and styles to fit most homes and just about every decor. With stairs constructed of steel, forged iron, solid wood, aluminum, and galvanized steel, our product lines should meet your needs. But with modern design and construction methods and the ever expanding functionality of home usages, sometimes a custom stair and or style is needed to fit a specific situation. We understand these situations and adapt to the requirements by offering complete custom stairs, sizes or accessories to accommodate your whatever needs!

Whether the scenario requires a custom diameter or height range, tread style, baluster style, handrail accessory, platform size or shape, well enclosure railing, or finish options – we will design and manufacture it to the highest standards. Our manufacturing facility is fully fitted with state of the art machinery for solving the challenges and meeting the ever expanding need for custom work.

Winter-Gauge Commercial & Industrial Stair Packages

In addition to our standard product lines, Salter offers stair packages for both commercial and industrial settings. These stairs are for unique usages in both sectors and are generally a semi-custom stair that is geared for larger or multi-story settings. Our manufacturing methods reflect the need for these stair packages to be durable and safe, so we provide added strength by using heavy-gauge materials, a larger center column and adding additional safety features.

Our commercial stair packages can be upgraded for a custom look and are perfect for heavy traffic areas such as an office, general business setting, lobby, institutional common area, library, retail store or a gallery environment. Or even in a hidden location, our stairs provide wonderful access for non-public usage and are very functional in a storeroom, as a fire escape, and to a loft or mezzanine.

Another sector is industrial settings, which usually provide very unique challenges all their own, often with limited space and multi-story requirements. Salter has provided stairs for manufacturing facilities, amusement parks, and construction sites. Even if the situation is temporary like a construction site or a permanent location like a warehouse, our stairs provide durable access and are a very functional solution for most industrial applications.

Please call our technical and sales department at 800-368-8280 to answer any questions.
CREATE YOUR VERY OWN SPIRAL STAIR

Just follow the step-by-step process to select and customize your stair:

1. Select the Diameter (understand your space requirements) & Know your “Finished Floor-to-Floor Height”
   - 3’6” | 4’ | 4’6” | 5’ | 5’6” | 6’ | 6’6” | 7’
   - (Custom and larger stair diameters available upon request)

2. Select the Package Type
   - Code packages are available in 5’ diameter and larger (Code packages meet BOCA Code, UBC Code, IRC Code, IRC 2003, IRC 2006, and IFC 2006)
   - Standard packages are available in all diameters (does not meet code compliancy)
   - Special half-turn packages are available in 5’ 6” and 6’ 6” diameter (does not meet code compliancy)

3. Select the Material Type and Product line
   - We offer stairs in steel, steel & wood combination, and solid wood for interior settings as well as aluminum and galvanized steel for exterior applications. Our product lines:
     - Classic Collection of Steel
     - Forged Iron Collection
     - Hand-Crafted Solid Wood (red oak, white oak, maple, hickory, mahogany, American cherry, Brazilian cherry with additional species available upon request)
     - Aluminum Outdoor Living
     - Galvanized Steel Exterior

4. Select the Sleeve Type
   - Standard adjustable tread sleeve
   - Custom continuous sleeves

5. Select the Tread Style
   - Standard tread
   - Curve up
   - Long curved
   - Decorative ivy
   - Code riser
   - Fan style grated
   - Industrial heavy-gauge 1/8” steel tread

6. Select the Tread Coverings
   - Standard smooth steel
   - Diamond pattern steel
   - Solid wood (1 1/16” or 1 1/2” thick)
   - Flakeboard treads - ready to accept carpet (1/8” thick)

7. Select the Balusters & Tips
   - Classic Collection offers a variety of 1” round steel balusters with a choice of standard press-formed steel tip or custom baluster tip
   - Forged Iron Collection offers many styles that can be combined to create a pattern throughout the staircase
   - Solid Wood Collection offers a variety of solid wood balusters. In addition forged iron balusters are available that change the appearance of the stair and personalize it to your own style
   - Aluminum Outdoor Living offers a selection of 1” round aluminum balusters (available with custom baluster tips only)
   - Galvanized Steel Exterior offers a variety of 1” round steel balusters (available with standard press-formed steel tip only)

8. Select the Handrail
   - Hard vinyl available in black (1 1/2” round)
   - Preformed aluminum (1 1/2” round)
   - Preformed polished brass (1 1/8” round)
   - One-piece solid wood handrails available in 3 styles

9. Select the Platform
   - Available with the same coverings as the treads. Many different shapes are available to accommodate your installation:
     - square
     - triangular
     - custom shapes
     - 60 degree
     - round

10. Add Well Enclosure Railing
    - Finish your stair with matching well enclosure or balcony railing systems. Include identical balusters and toprail cap to fully integrate the stair with the setting. Our railing systems are available in straight or curved sections in all materials:
       - Classic Style Railings
       - Designer Style Railings
This Classic Steel stair with ivy treads and wood accessories is a wonderful example of traditional styling that works with the decor of this updated colonial home. The homeowner chose to place the stair in a small nook as to not obstruct the walkway.

- 5' diameter code package
- ivy tread style
- continuous tread sleeves
- standard 3” solid oak handrail
- oak tread covers
- two extra center balusters, 4” spacing
- black powder coated finish
This two-story spiral stair connects three-stories of this beach house making for an easy connection to the floor above or below. The Classic Steel stair fits perfect with the modern decor of the house and the vibrant red powder coat finish provides contrast to the light maple wood, which runs throughout the home. And a perfect finishing touch is the matching deluxe well enclosure rail systems to each landing.

Stair package features:
- 6’ diameter code package
- industrial heavy-gauge ¾” steel treads
- 6” diameter center column
- code-riser steel tread style
- continuous sleeve treads
- solid maple tread covers
- standard 3” solid maple handrail
- three extra center balusters, 4” spacing
- red powder coated finish
- matching curved designer well enclosure rail

“The product was perfectly finished and packaged. The customer is very happy with the final product!”

– Dan (contractor), New Jersey
This traditional home features a 5’ classic steel stair that allows access to the loft area. The small footprint of the stair does not take away from the living area while the oak tread covers and handrail match the existing oak flooring.

- 5’ diameter standard package
- square platform with oak covering
- standard steel tread style
- continuous sleeve treads
- 2” solid oak handrail
- solid oak tread covers
- one extra center baluster
- black powder coated finish

“This staircase is really quite nice and the number of details that were well thought out was a real help”

Bob (homeowner), Colorado
In a six-foot two-inch opening this stair provided everyday access from the main level up to the loft or down to the finished basement. Notice how large and comfortable a 6’ diameter tread can be. The 30 degree tread angle provides a deep tread for your foot and the larger angle also allows the stair to drop more gradually.

Timber frame and log homes have a lot of wood, so the owner of this home created a beautiful contrast with the steel and wood stair. The white powder coated steel helps to separate the various materials instead of letting them blend together.

- 6’ diameter standard package
- standard steel tread style
- continuous sleeve treads
- 2” solid oak handrail
- solid oak tread covers
- three extra center balusters, 4” spacing
- curved designer rail system with 3” standard wood cap
- white powder coated finish
This contemporary timber frame home is contrasted by the industrial feel of this black classic steel stair and matching classic style loft railings. The final effect is a great combination of materials adding the over-all feel of the home. The stair features:

- 5’ diameter code package
- standard steel tread style
- continuous sleeve treads
- diamond pattern tread covers
- classic style rail system with 2” end posts and round cap
- black powder coated finish

“We are so pleased with all the good craftsmanship from all of you at Salter. Our thanks to all of you for making this an easy experience”

– Jim (homeowner), Colorado
The homeowner wanted additional access to the second-story via this open “overlook.” The black classic steel stair with solid maple accessories fits well with the airy decor of the home. Plus, the nice finishing touch is the matching loft rail system for the balcony overlook.

- 5” diameter code package
- 60º platform with solid maple covering
- standard steel tread style
- continuous sleeve treads
- 2” solid maple handrail
- solid maple tread covers
- two extra center balusters, 4” spacing
- straight classic rail system with 3” standard wood cap
- black powder coated finish
Salter’s Classic Collection of Steel Stairs is a versatile and elegant spiral stair system, which can be customized to fit all your needs. The pre-engineered spiral stair packages are affordable and crafted with finishing touches ordinarily found only on expensive custom stairs.

Our steel spiral stairs come with either stock adjustable sleeves, which we maintain an extensive inventory, or continuous sleeves that are built to your height specifications. When selecting a stair, you want to pay special attention to the standard choices such as balusters and tread styles that give your stair its style. Additionally, you may add special options such as solid wood tread covers, one-piece wood handrails, or solid polished brass handrails to create a beautiful and elegant addition to your home.

As a bonus, all our stairs have been designed so a do-it-yourselfer or carpenter can easily assemble with no special tools or skills. We manufacture and sell our stairs direct from the factory to builders, architects and homeowners. The stairs are shipped from our plant in Pennsylvania to your job site where the assembly takes place. Because they are shipped “knocked down,” our stairs are economical to ship and easily manageable when delivered.

SUPERIOR DESIGN FEATURES
• Specially engineered tread design accepts a round baluster through the inside corner to make a smooth connection with hidden hardware.
• Each baluster is connected to an upper and lower tread, stiffening each tread and locking the entire stair together.
• Balusters connect to the handrail in a smooth transition with no bulky or plastic fittings. Custom baluster tips are available where each baluster is mitered to the angle of the stair rail.
• Each tread has an enclosed tread end – a more expensive manufacturing process. This feature hides the assembly hardware, continues the clean line of the staircase and stiffens the treads.
• Wooden tread covers are machined to contour around the balusters, center column and beyond the outside perimeter of the steel tread.
• All welds are hidden under the stair for clean seams.
• Solid wood handrails are pre-formed to fit your staircase and shipped in one piece. This saves you installation time and provides a superior handrail.
• Shipped “knocked-down” for ease in handling and low delivery cost – engineered for easy assembly.

HEAVY DUTY CONSTRUCTION
• The treads and platform are made of 12-gauge, 1/16” or 1/8” thick steel. Choose between smooth steel or slip-resistant diamond pattern treads.
• Wooden tread covers have a finished thickness of 1 1/16”.
• The standard handrail is 1 1/2” round vinyl, or you can select aluminum, solid polished brass or solid wood.
• The balusters are 1” round, heavy wall tubing - more substantial than most of our competitors.
• Platform and level railings are made of 1” x 1” heavy wall tubing. The balusters are round to match balusters on the stair.

The Benefits of a Classic Steel Stair

Universal Options

Tread Sleeves

- Standard sleeves (STS-1)
  The treads slide up and down on the center column. Each set of treads will fit a wide range of floor-to-floor heights.

- Continuous sleeves (CTS-2)
  These are custom cut to your riser height. This feature provides a smooth center column appearance. You must furnish your exact finished floor-to-floor height.

Well Enclosure Railing (see samples on page 28)

- Classic Style Railing – straight or curved
  Pre-welded sections of railing make up this system. Customize to match the stair by adding one of the optional rail caps, and solid wood posts or 2” steel posts.

- Designer Style Railing – straight or curved
  Six individual sets of parts make up this railing system. All parts are supplied loose and will need to be assembled on the job.
  1. Top Railing
  2. Balusters
  3. Wood bottom shoe that trims the floor
  4. Corner & Loft Posts
  5. Wall Posts
  6. Wood loft face trim

(National building code requires 4” or less baluster spacing on balcony and well enclosure railings.)
**CLASSIC STEEL - CUSTOM OPTIONS**

Customize Your Staircase By Choosing From These Deluxe Options

<table>
<thead>
<tr>
<th>Tread Styles</th>
<th>Handrails</th>
<th>Balusters &amp; Tips</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT-1</td>
<td>CH-1</td>
<td>Standard Steel Tip (CBT-S). Used for main and center balusters. The baluster tip is formed and adjustable to maintain a smooth transition to the handrail. (All holes are prepared for installation.)</td>
</tr>
<tr>
<td>CT-2</td>
<td>CH-2</td>
<td>Custom Baluster Tip (CBT-C). Each baluster is individually mitered to the specific stair angle. (All holes are prepared for installation.)</td>
</tr>
<tr>
<td>CT-4</td>
<td>CH-3</td>
<td>Classic (CB-1) baluster – 1” round heavy wall steel tubing.</td>
</tr>
<tr>
<td>CT-5</td>
<td>CH-4A</td>
<td>Twist Cage (CB-2) baluster – 1” round heavy wall steel tubing.</td>
</tr>
<tr>
<td>CT-6</td>
<td>CH-4B</td>
<td>Single Ring (CB-3) baluster – 1” round heavy wall steel tubing.</td>
</tr>
<tr>
<td>CT-8</td>
<td>CH-4C</td>
<td>Double Ring (CB-4) baluster – 1” round heavy wall steel tubing.</td>
</tr>
<tr>
<td>CT-9</td>
<td></td>
<td>Scroll (CB-5) baluster – 1” round heavy wall steel tubing.</td>
</tr>
</tbody>
</table>

**Tread Styles**

- All feature holes pre-punched so tread can receive optional solid wood tread covers or flakeboard covers ready for carpeting. (Except Grated tread)
- Standard (CT-1) steel tread with closed end.
- Curved Up (CT-2) steel tread with closed end. Provides a thinner profile.
- Long Curved (CT-4) steel tread with closed end.
- Decorative Ivy Stencil (CT-5) steel tread with closed end.
- Code Riser (CT-6) steel tread with closed end. Code risers reduce open spacing between treads to less than 4”.
- Grated (CT-8) steel tread with closed end. Provides a unique open feel. (Not available in a diamond pattern)
- Industrial Heavy-Gauge (CT-9) ¾” steel tread with rounded closed end. These treads are made with extra thick steel plates for usages that require additional strength.

**Handrails**

- Standard Round Black Vinyl (CH-1) handrail – 1 ¼” outside diameter.
- Pre-formed Round Aluminum (CH-2) handrail – 1 ¼” outside diameter with dome caps (shown) or turndown caps. (This may be left in its natural aluminum finish or painted to match the staircase.)
- Pre-formed Round Polished Brass (CH-3) handrail – 1 ¼” outside diameter with dome caps (shown), 90º Turn or Scroll caps
- Solid Wood* (CH-4) handrails. All wooden handrails are manufactured to your individual specifications and shipped in one piece for easy installation. *oak, maple, hickory, yellow pine, American cherry, Brazilian cherry, mahogany and cedar with additional species available upon request.
- Standard Shape (CH-4A) handrail – 2” tall.
- Standard Shape (CH-4B) handrail – 3” tall.
- Bead & Finger Groove (CH-4C) handrail – 3” tall.

**Tread Coverings**

- Diamond Pattern (CTC-1) steel tread provides a non-skid surface. (Diamond pattern on tread top only)
- Solid Wood* (CTC-2) tread covers have a finished thickness of 1 ¼”. Treads are nosed and sanded to a fine finish. Also available for the Heavy-Gauge tread. *oak, maple, hickory, yellow pine, American cherry, Brazilian cherry, mahogany and cedar with additional species available upon request.
- Flakeboard (CTC-3) tread covers in ¾” thickness are ready to accept carpeting. (Carpeting not included)
- Industrial Heavy-Gauge Diamond Pattern (CTC-4) ¾” steel tread provides a non-skid surface. (Diamond pattern surround on tread top and side)

**Balusters & Tips**

- Standard Steel Tip (CBT-S). Used for main and center balusters. The baluster tip is formed and adjustable to maintain a smooth transition to the handrail. (All holes are prepared for installation.)
- Classic (CB-1) baluster – 1” round heavy wall steel tubing.
- Twist Cage (CB-2) baluster – 1” round heavy wall steel tubing.
- Single Ring (CB-3) baluster – 1” round heavy wall steel tubing.
- Double Ring (CB-4) baluster – 1” round heavy wall steel tubing.
- Scroll (CB-5) baluster – 1” round heavy wall steel tubing.

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Salter Spiral Stair, 105 G.P. Clement Drive, Collegeville, PA 19426, Toll Free: 800-368-8280
This Forged Iron stair with black powder coating finish and wood accessories is a wonderful combination of classic Victorian and modern styling.

- 6' diameter code package
- long curved tread style
- continuous tread sleeves
- FIB Group 2 - alternating combination with 3 balusters
- bead & finger groove oak handrail
- oak tread covers
- black powder coated finish
Victorian, traditional, and country homes require a spiral stair with more texture and detail to enhance the setting. The Forged Iron Collection was designed to complement these types of homes.

Begin your staircase by selecting the steel tread style. We offer a variety of specifically designed styles to maximize the ornate detail of the collection. Next, select the baluster type and pattern arrangement. Typically, the leading baluster that connects one tread to the next will be different from the center balusters. You may have as many as three different balusters working together to create a pattern and give you a custom feel. Salter offers five different forged iron baluster groupings for your design consideration.

Add solid wood tread covers and a matching handrail to the Forged Iron Stair and you will create a beautiful staircase that will enhance your home. Finally, tie the complete package together by adding matching railing and balusters to your balcony or well enclosure.

### Handrails
- Preformed Round Aluminum (FIH-1) handrail – 1 1/2” outside diameter with dome end caps. (This may be left in its natural aluminum finish or painted to match the staircase.)
- Preformed Round Polished Brass (FIH-2) handrail – 1 1/2” outside diameter with dome caps (shown), 90° Turn or Scroll caps.
- Solid Wood* – Bead & Finger Groove (FIH-3A) handrail – 3” tall. * (oak, maple, hickory, yellow pine, American cherry, Brazilian cherry, mahogany and cedar with additional species available upon request.)

### Tread Coverings
- Diamond Pattern (FITC-1) steel tread provides a non-skid surface.
- Solid Wood* (FITC-2) tread covers in 1 1/4” finished thickness. Treads are nosed and sanded to a fine finish. * (oak, maple, hickory, yellow pine, American cherry, Brazilian cherry, mahogany and cedar with additional species available upon request.)

### Balusters (Pattern Groupings)

In selecting the baluster type and pattern arrangement, you may have as many as three different balusters working together to create your pattern grouping. Please select from the groupings below.

- **FIB Group-1**, choose from balusters 1, 2 & 3.
- **FIB Group-3**, choose from balusters 7, 8, 9 & 10.
- **FIB Group-4**, choose from balusters 11, 12, 13 & 14.
- **FIB Group-5**, choose from balusters 15 & 16.
This 5’ 2” diameter solid wood stair is constructed of exotic brazilian cherry, which has deep rich tones and provides the necessary durability for any stair. The grain pattern and rich color of the wood is offset with white painted balusters to create a beautiful solid wood staircase.
This brazilian cherry solid wood stair not only fits the traditional setting, it has the elegance to enhance the over-all feel of the home. The white painted balusters create separation from all stained brazilian cherry in the home and give the stair the perfect amount of contrast.

- 5' 2" diameter code package – solid brazilian cherry
- square solid wood platform
- 5" round column extension
- long curved tread style with enclosed tread end
- bead & finger groove solid wood handrail
- 2015P solid wood balusters (painted white)
- two extra center balusters, 4" spacing
- designer rail system with bead & finger groove handrail and 4010BT newel posts
This 5’2” solid wood spiral stair is a beautiful addition to this Chesapeake Bay home. The dark stained oak offset by the white balusters blend a rustic yet modern style to the waterfront home. The fine details and quality make this stair a perfect addition to any home.

- 5’2” diameter code package – solid oak
- 60º solid wood platform
- 5” round column extension
- Long curved tread style with enclosed tread end
- bead & finger groove solid wood handrail
- 2015C solid wood balusters (painted white)
- designer rail system with bead & finger groove handrail and 4010BT newel posts

“We have installed our new spiral stair and are very pleased with the final product”

– Chris (homeowner), Tennessee
This 5’2” solid wood stair with its contemporary feel fit well in this bedroom with an overlooking loft. The solid oak stair matched other oak elements in the home while creating nice contrast with the rooms decor.

- 5’2” diameter code package – solid oak
- square solid wood platform
- 5” round column extension
- standard tread style with enclosed tread end
- 2” standard solid wood handrail
- 2015C solid wood balusters
- two extra center balusters, 4” spacing
- designer rail system with 3” standard handrail, 4000 sq. newel posts and loft face trim
The true beauty and significance of Salter’s solid wood stair design is that we are manufacturing a spiral stair package that does not have the appearance of a pre-packaged kit. This is achieved by our unique tread attachment to a smooth round wood center column with hardened steel fasteners and components that are imbedded into the wood tread creating strength and stability.

Our wood stairs are available in a variety of wood species so you can create the perfect look and feel. We offer oak, maple, hickory, American cherry, Brazilian cherry, and mahogany with additional species available upon request. All wood components are delivered unfinished so the stair can be stained to match the surrounding setting (it is recommended that 3-coats of polyurethane are applied to all wood surfaces).

**DESIGN & CONSTRUCTION FEATURES:**
- Heavy-duty, 5” round solid wood center column
- One piece, pre-formed solid wood handrail
- Hardened steel fasteners that are imbedded into the wood tread creating strength and stability

**TREAD STYLES - SOLID WOOD**
- **Available in oak, maple, hickory, American cherry, Brazilian cherry, and mahogany with additional species available upon request.**
  - Standard (WT-1) solid wood tread with closed end.
  - Long Curve (WT-2) solid wood tread with closed end. Provides a graceful profile that softens the lines of the stair.

**HANDRAILS - SOLID WOOD**
- **Available in oak, maple, hickory, American cherry, Brazilian cherry, and mahogany with additional species available upon request.**
  - Standard Shape (WH-1A) handrail – 2” tall.
  - Standard Shape (WH-1B) handrail – 3” tall.
  - Bead & Finger Groove (WH-1C) handrail – 3” tall.

**NEWEL POSTS & COLUMN EXTENSION - SOLID WOOD**
- **Available in oak, maple, hickory, American cherry, Brazilian cherry, and mahogany with additional species available upon request.**
  - 4000 (Square) Wood newel post – 3 1/2” Sq. base.
  - 4010BT (Standard) Wood newel post – 3” Sq. base.
  - 4040BT (Standard) Wood newel post – 3” Sq. base.
  - 3042P (Plain) Wood newel post – 3 1/2” Sq. base.
  - 3042F (Fluted) Wood newel post – 3 1/2” Sq. base.
  - 3042T (Twist) Wood newel post – 3 1/2” Sq. base.
  - Round Column Extension – 5” diameter matches the column and sits on top of the platform (see photo on next page).
SOLID WOOD - CUSTOM OPTIONS

Balusters - Solid Wood

Available in oak, maple, hickory, American cherry, Brazilian cherry, and mahogany with additional species available upon request.

- **2015C (Contemporary)** solid baluster – 1 3/4” Sq. base.
- **2015P (Plain)** solid baluster – 1 3/4” Sq. base.
- **2015F (Fluted)** solid baluster – 1 3/4” Sq. base.
- **2015T ( Twist)** solid baluster – 1 3/4” Sq. base.
- **5300 (Ornate)** solid baluster – 1 3/4” Sq. base.
- **5360 (Square)** solid baluster – 1 3/4” Sq. base.

All balusters are 1 3/4” Sq.

Balusters - Forged Iron (Pattern Groupings)

In selecting the baluster type and pattern arrangement, you may have as many as three different balusters working together to create your pattern grouping. Please select from the groupings below:

- **FIB Group-1**, choose from balusters 1, 2 & 3.
- **FIB Group-3**, choose from balusters 7, 8 & 10.
- **FIB Group-4**, choose from balusters 11, 12, 13 & 14.
- **FIB Group-5**, balusters 16.

Tread and Baluster Combination Ideas

With all the baluster choices, you can create the perfect style for your individual taste. Plus add additional center balusters to complete the look or add Forged Iron balusters to give the stair a unique distinction.
In today’s architectural design, consumers are demanding access to all areas of a home such as a second story deck or balcony and a space saving spiral stair is extremely practical for these situations. This award winning patio and deck features a Salter Aluminum Outdoor Living deck stair. This aluminum stair is easy to maintain by itself, plus the added protection of powder coating make this a perfect maintenance free stair.
With a small footprint to work with to access the balcony, this 5’ diameter spiral works better than a conventional straight stair. The space saved and the added style that this stair creates makes this an excellent choice.

- 5” diameter code package
- 60º aluminum platform
- continuous sleeve treads
- standard tread style with enclosed tread end
- diamond pattern tread covers
- 1 1/2” aluminum handrail
- 1” classic round aluminum balusters with custom tips
- classic style rail system
- black powder coat finish

“We are exceedingly pleased with not only the customer service but the quality of the railings and stair as well”

– Wendy (homeowner), Maine
This beautiful deck features a 5’ diameter aluminum spiral stair. The limited space requirement of this spiral stair allows access to the second floor of the deck without taking up too much of the decking. The stair is powder coated white and has skid-resistant diamond pattern treads.

- 5" diameter code package
- 60º aluminum platform
- continuous sleeve treads
- standard tread style with enclosed tread end
- 1 1/2” aluminum handrail
- 1” classic round aluminum balusters with custom tips
- white powder coated finish

“I am quite impressed with the quality of the spiral staircase”
– Larry (homeowner), Pennsylvania
ALUMINUM - CUSTOM OPTIONS

Maintenance-Free Spiral Stairs for your Deck or Balcony

Given the extreme conditions of nature, exterior installations require tougher solutions. Aluminum is a lightweight, yet durable, metal that naturally will resist rust. Therefore, it is an ideal material for an exterior stair; one that will minimize the effects of nature. With maintenance-free in mind, our aluminum spiral stair is perfect for all exterior situations such as patios, decks, and hard-to-reach rooftop overlocks.

In addition to the inherent properties of aluminum, we go an extra step to increase the stairs longevity with our factory finish. The finishing process is called “powder coating” and is considered to be a very durable, high quality finish. The factory-finished stair is available in white, black and custom colors (available upon request). So if you’re looking for a true maintenance-free spiral stair, look no further than our Aluminum Outdoor Living Collection.

HEAVY-DUTY DESIGN & CONSTRUCTION FEATURES

• Continuous sleeves are standard on all aluminum stairs.
• The treads and platform are made of ‘¾” thick aluminum.
• Balusters are 1” round, heavy wall aluminum tubing.
• Platform and level railings are made of 1” x 1” heavy wall tubing. (Balusters are round to match the stair balusters.)
• Center column is 3 ¼” round with a ¼” wall thickness. Tread sleeves have an outside diameter of 4” round with ¼” wall thickness.
• Hardware for assembly is stainless steel to prevent rusting.

Tread Coverings

- Diamond Pattern (ATC-1) aluminum tread provides a non-skid surface.
- Solid Wood* (ATC-2) tread covers in 1 ¼” (mahogany) or 1 ½” (cedar) finished thickness. Treads are nosed and sanded to a fine finish. (** Only available in mahogany or cedar.)

ATC-1
ATC-2

Handrails

- Pre-formed Round Aluminum (AH-1) handrail – 1 ½” outside diameter with dome caps (shown) or turndown caps.
- Solid Wood – Bead & Finger Groove* (AH-2A) handrail – 3” tall. This handrail is manufactured to your individual specifications and shipped in one piece. (Only available in mahogany or cedar.)

AH-1
AH-2A

Tread Styles

- Standard (AT-1) aluminum tread with closed end.
- Curved Up (AT-2) aluminum tread with closed end. Provides a thinner profile.
- Long Curved (AT-4) aluminum tread with closed end. Provides a graceful profile.
- Code Riser (AT-6) aluminum tread with closed end. Code risers reduce open spacing between treads to less than 4”.
- Grated (AT-8) aluminum tread with closed end. Provides a more open profile that allows for “pass-through” of water. (Not available in a diamond pattern)

Note: Aluminum stairs are only available with Continuous Sleeves

AT-1
AT-2
AT-4
AT-6
AT-8

Balusters (Custom Tip)

- Custom Baluster Tip (ABT-C). Each baluster is individually mitered to the specific stair angle. (All holes are prepared for installation.)
- Classic (AB-1) baluster – 1” round heavy wall aluminum tubing.
- Single Ring (AB-2) baluster – 1” round heavy wall aluminum tubing.
- Double Ring (AB-3) baluster – 1” round heavy wall aluminum tubing.
- Scroll (AB-4) baluster – 1” round heavy wall aluminum tubing.

AB-1
AB-2
AB-3
AB-4

Salter Spiral Stair, 105 G.P. Clement Drive, Collegeville, PA 19426, Toll Free: 800-368-8280
A spiral staircase is not only functional but an important visual element to its surroundings. This half-turn stair to the sundeck above is a perfect solution that occupies very little space on the patio below.

- 5’ 6” special half-turn package
- stock adjustable tread sleeves
- 16.36º treads
- 1 ½” round aluminum handrail
- one extra center baluster
- diamond pattern treads
- hot-dipped galvanizing finish
Another durable material is steel, which has been “hot-dipped galvanized”. Our galvanized steel stairs are constructed with durability in mind, making them ideal for exterior applications. The process begins by hot-dip galvanizing all of the individual component surfaces—inside and out. When the stair is assembled, all the joints are coated, which prevents them from rusting. Now you have an exterior stair that is easy to take care of for years to come.

Though most people leave the galvanized steel stair in its natural state (see photograph to the right), the stair can be painted a specific color using the proper primer. The galvanizing greatly increases the life span of the paint and reduces the need to repaint the stair at a later date. So if you’re looking for a cost-effective and durable stair, our Galvanized Steel Exterior stair packages are perfect for you.

**HEAVY-DUTY CONSTRUCTION/DESIGN FEATURES**
- The treads and platform are made of 1/8” thick steel.
- Handrail is 1 1/2” round - larger than most comparable stairs.
- Balusters are 1” round, heavy wall steel tubing.
- Platform and level railings are made of 1” x 1” heavy wall steel tubing. (Balusters are round to match the stair balusters.)
- Center column is 3 1/2” round with a 1/8” wall thickness. Tread sleeves have an outside diameter of 4” round with 1/4” wall thickness.
- Each baluster is connected to an upper and lower tread, which stiffens each tread and locks the entire stair together.
- Slip resistant diamond pattern treads for safety.
- Hardware for assembly is stainless steel to prevent rusting.

**Tread Coverings**
- Diamond Pattern (GTC-1) steel tread provides a non-skid surface. (Diamond pattern on tread surface only)

**Tread Styles**
- All galvanized steel treads have open ends unless otherwise noted.
  - Standard (GT-1) steel tread.
  - Curved Up (GT-2) steel tread. Provides a thinner profile.
  - Long Curved (GT-4) steel tread.
  - Decorative Ivy Stencil (GT-5) steel tread with closed end.
  - Code Riser (GT-6) steel tread. Code risers reduce open spacing between treads to less than 4”.
  - Grated (GT-8) steel tread with closed end. Provides a more open profile that allows for “pass-through” of water and snow. (Not available in a diamond pattern)

**Handrails**
- Standard Round Black Vinyl (GH-1) handrail – 1 1/2” outside diameter.
- Pre-formed Round Aluminum (GH-2) handrail – 1 1/2” outside diameter with dome end caps.

**Balusters (Standard Tip)**
- Standard Tip (CBT-S) used for main and center balusters. The baluster tip is formed and adjustable to maintain a smooth transition to the handrail. (All holes are prepared for installation.)
- Standard (GB-1) baluster – 1” round heavy wall steel tubing.
- Twist Cage (GB-2) baluster – 1” round heavy wall steel tubing.
Choose from these Classic Style Railings

- Classic rail with standard 1" end post and plain top
- Classic rail with standard 1" corner post and plain top
- Classic rail with 2" end post and plain top
- Classic rail with 2" corner post and plain top
- Classic rail with 2" center post and plain top
- Classic rail with 3" Standard wood cap
- Classic rail with corner post 3" Standard wood cap
- Classic rail with 2" end post and round cap
- Classic rail with 2" end post and 3" Standard wood cap
- Classic rail with 2" corner post and 3" Standard wood cap
- Classic rail with 2" end post and 3" B&FG wood cap
- Classic rail with 4000 post and 3" Standard wood cap
- Classic rail with 4000 post and 3" B&FG wood cap
- Classic rail with 4010BT post and 3" B&FG wood cap
- Classic rail with 4040BT post and 3" B&FG wood cap
- Classic rail with 2" end post and 3" B&FG wood cap
- Classic rail with 2" end post and 3" B&FG wood cap
- Classic rail with 4000 post and 3" B&FG wood cap
- Classic rail with 4010BT post and 3" B&FG wood cap
- Classic rail with 4040BT post and 3" B&FG wood cap

Forged Iron Railings

- Fl rail (Group 2, #4) with 2" end post and round cap
- Fl rail (Group 2, #4) with 2" end post and round brass cap
- Fl rail (Group 2) with 2" end post and 3" B&FG wood cap
- Fl rail (Group 3) with 4010BT post and 3" B&FG wood cap
- Fl rail (Group 5) with 4040BT post and 3" B&FG wood cap
Building Code Specifications

Salter Spiral Stairs Comply With National Building Codes

Salter’s Code Stair Packages will address and meet compliancy with each of the requirements that are listed below. This information will apply to the BOCA Code, UBC Code, IRC 2003, IRC 2006, and IFC 2006 codes.

1. Minimum clear walking path of 26 inches. A 5-foot diameter or larger stair will provide this width.
2. Each tread will have a minimum of 7 ½ inch tread depth at 12 inches from the narrow edge.
3. All treads will be identical.
4. The tread rise shall not be more than 9 ½ inches high.
5. Minimum headroom of 6 foot 6 inches shall be provided, measuring plumb from the edge of the platform down to the tread below.
6. Landing width shall not be less than the required width of the stairway. Minimum spiral stair tread width is 26 inches. (Salter’s code platforms start at 31 inches wide.)
7. Stair balusters shall be spaced so a 4-inch object cannot pass between. The IRC 2003 & 2006 permits a 4 ¾ inch space.
8. Balcony/Well Enclosure guardrail balusters shall be spaced so a 4-inch object cannot pass between.
9. Balcony/Well Enclosure guardrail height shall not be less than 36 inches. (If your state or municipality requires 42-inch tall guardrails, the sales order must reflect this detail.)
10. The stairway shall be equipped with one handrail on the wide edge of the tread.
11. Handrail height, measured vertically from the tread nosing, shall be not less than 34 inches and not more than 38 inches.
12. Handrail grip size. **Type I**- Handrails with a circular cross section shall have an outside diameter of at least 1 ¼ inches and not greater than 2 inches. (Salter’s standard circular handrail is 1 ½ inch diameter. This will address the UBC minimum cross section of 1 ½ inch diameter.) If the handrail is not circular, it shall have a perimeter dimension not greater than 6 ¼ inches. **Type II**- Handrails, with a perimeter greater than 6 ¼ inches, shall provide a graspable finger recess area on both sides of the profile. For further information on our Type II options, please contact our sales department.
   *(Verify what handrail size and shape your inspector will require. Handrail size and shape are a very controversial area within the building code. We recommend that you use our standard 1 ¼” round handrails or our 1 1/4” x 2” B&FG solid wood handrail to comply with the proper circumference.)*
13. A 300 lb. concentrated load is required. On request, our sales department can provide structural calculations for your job specifications.

**Salter’s standard code package does not address the open space between each tread (open rise stair).** *If your code, IRC 2003, IRC 2006 or IFC 2006 requires not more than a 4” space in this area, you will need to order our Code Riser treads.*

**IRC 2006 Stair Building Code**

R311.5.8.1 Spiral Stairs. Spiral stairways are permitted, provided the minimum width shall be 26 inches (660 mm) with each tread having a 7 ½ inch (190 mm) minimum tread depth at 12 inches from the narrower edge. All treads shall be identical, and the rise shall be no more than 9 ½ inches (241 mm). A minimum headroom of 6 feet, 6 inches (1982 mm) shall be provided *(See above diagram).*
Benefits of a Code Package

Designed for applications regulated by the national building codes. For further information about code requirements, see page 29.

Please check with your local building inspector for the dimensional requirements in your area before placing your order. The smallest stair available to still maintain the building code is 5’ diameter. Salter Spiral Stair manufactures Code Stair Packages in 5’, 5’6” and 6’ diameter. Code Stair Packages also include extra center balusters for a maximum spacing of 4” (safety feature for stairs that will be used by small children to prevent pass through). *Verify if your local code enforcement requires Code Riser treads, which are sold separately.

Code Packages Include:

(Metal Stairs) 30° stair treads; 3 to 4 balusters per tread (maximum spacing of 4”); 60° platform (This will provide a minimum of 6’6” headroom); 1 1/2” aluminum handrail with end caps; Platform railing, 1” x 1” frame with 1” round balusters; Center column, base plate and top cap; 40” tall column extension

<table>
<thead>
<tr>
<th>Diameter / Products Available</th>
<th>Recommended Finished Well Opening*</th>
<th>Platform Size</th>
<th>Clear Walking Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>5’</td>
<td>62” x 62”</td>
<td>31” x 31”</td>
<td>26”</td>
</tr>
<tr>
<td>5’2”</td>
<td>65” x 65”</td>
<td>32.5” x 32.5”</td>
<td>26.5”</td>
</tr>
<tr>
<td>5’6”</td>
<td>68” x 68”</td>
<td>34” x 34”</td>
<td>29”</td>
</tr>
<tr>
<td>6’</td>
<td>74” x 74”</td>
<td>37” x 37”</td>
<td>32”</td>
</tr>
</tbody>
</table>

*Minimum opening is 2” smaller than the recommended opening size. Talk to your salesperson for further information.

30° Tread for Stair Sizes

<table>
<thead>
<tr>
<th>Floor to Floor Height Tread Adjustment</th>
<th>Treads &amp; Risers Required</th>
<th>Degree of Rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>Max.</td>
<td>Treads</td>
</tr>
<tr>
<td>85”</td>
<td>95”</td>
<td>9</td>
</tr>
<tr>
<td>93 1/4”</td>
<td>104 1/4”</td>
<td>10</td>
</tr>
<tr>
<td>102”</td>
<td>114”</td>
<td>11</td>
</tr>
<tr>
<td>110 1/4”</td>
<td>123 1/4”</td>
<td>12</td>
</tr>
<tr>
<td>119”</td>
<td>133”</td>
<td>13</td>
</tr>
</tbody>
</table>

NOTE: A special 60° platform is supplied with this package. The platform is not as versatile as a square one. For ordering purposes use these diagrams to choose the appropriate layout. Available sizes are 5’, 5’2”, 5’6” and 6” diameters with custom and larger sizes available upon request.
### Special Half-Turn Stair Package
*(Does Not Meet Code Compliancy)*

Special Half-Turn Packages Include:
(Metal Stairs) Center Column, base plate and top cap; 1” outside diameter steel balusters; Adjustable treads; 1 1/2” outside diameter handrail; Platform railing, 1” x 1” frame with 1” round balusters; 38” tall column extension; 180” wood balcony bracket

<table>
<thead>
<tr>
<th>Diameter / Products Available</th>
<th>Recommended Finished Well Opening*</th>
<th>Platform Size</th>
<th>Clear Walking Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>5’6”</td>
<td>67” x 67”</td>
<td>N/A</td>
<td>31.5°</td>
</tr>
<tr>
<td>6’6”</td>
<td>67” x 79”</td>
<td>N/A</td>
<td>31.5°</td>
</tr>
</tbody>
</table>

### 16.36° Tread for Stair Sizes
5’6” | 6’6”

<table>
<thead>
<tr>
<th>Floor to Floor Height Tread Adjustment</th>
<th>Treads &amp; Risers Required</th>
<th>Degree of Rotation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>Max.</td>
<td></td>
</tr>
<tr>
<td>90°</td>
<td>102°</td>
<td>11</td>
</tr>
<tr>
<td>97 1/2&quot;</td>
<td>110 1/2&quot;</td>
<td>12</td>
</tr>
</tbody>
</table>

### Standard Stair Package
*(Does Not Meet Code Compliancy)*

Standard Packages Include:
(Metal Stairs) Center plate and top cap; 1” outside diameter steel balusters; Adjustable treads; 1 1/2” outside diameter handrail; Platform railing, 1” x 1” frame with 1” round balusters, platform (square); 40” tall column extension

<table>
<thead>
<tr>
<th>Diameter / Products Available</th>
<th>Recommended Finished Well Opening*</th>
<th>Platform Size</th>
<th>Clear Walking Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>3’6”</td>
<td>44” x 44”</td>
<td>22” x 22”</td>
<td>17°</td>
</tr>
<tr>
<td>4’</td>
<td>50” x 50”</td>
<td>25” x 25”</td>
<td>20°</td>
</tr>
<tr>
<td>4’6”</td>
<td>56” x 56”</td>
<td>28” x 28”</td>
<td>23°</td>
</tr>
<tr>
<td>5’</td>
<td>62” x 62”</td>
<td>31” x 31”</td>
<td>26°</td>
</tr>
<tr>
<td>5’2”</td>
<td>65” x 65”</td>
<td>32.5” x 32.5”</td>
<td>26.5°</td>
</tr>
<tr>
<td>6’</td>
<td>74” x 74”</td>
<td>37” x 37”</td>
<td>32°</td>
</tr>
<tr>
<td>6’6”</td>
<td>80” x 80”</td>
<td>40” x 40”</td>
<td>35°</td>
</tr>
</tbody>
</table>

*Minimum opening is 2” smaller than the recommended opening size. Talk to your salesperson for further information.

### Standard Half-Turn Packages
*(Does Not Meet Code Compliancy)*

### 30° Tread for Stair Sizes
3’6” | 4’ | 4’6” | 5’ | 5’2” | 5’6” | 6’

### 22 1/2° Tread for Stair Sizes
5’ | 5’6” | 6’ | 6’6” | 7’

Table contents:
- **Floor to Floor Height Tread Adjustment**
- **Treads & Risers Required**
- **Degree of Rotation**

### Recommended Clear Diameter / Finished Platform Walking Products Available Well Opening Size Path

<table>
<thead>
<tr>
<th>Diameter / Products Available</th>
<th>Recommended Finished Well Opening*</th>
<th>Platform Size</th>
<th>Clear Walking Path</th>
</tr>
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<tbody>
<tr>
<td>5’6”</td>
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<tr>
<td>6’6”</td>
<td>67” x 79”</td>
<td>N/A</td>
<td>31.5°</td>
</tr>
</tbody>
</table>

### Standard Package – 30°

### Standard Package – 22 1/2°

### Note:
To determine the number of treads and risers needed for your project, measure your finished floor to floor height and refer to the above charts. Since the standard stair packages use either 30° or 22 1/2° treads, use the appropriate chart. Custom sizes available upon request.
**INSTALLATION OVERVIEW**

Easy Installation – Seeing is Believing – No special tools required!

### ADJUSTABLE SLEEVE

1. Slide all the treads (do not worry about order) and platform over the center column. Attach the platform in the desired location. Then plumb the center column and attach the base plate to the floor with the supplied hardware.

2. Start the installation by moving the top tread to the proper riser height. Slide a baluster in the hole closest to the platform and attach to the tread with the supplied hardware.

3. Attach the baluster to the face of the platform using the supplied bracket. Check that the tread is level and that the baluster is plumb, then tighten the hardware. Next, slide a baluster in the front hole of the top tread and the back hole of the next tread and attach. Continue this procedure with the remainder of the treads (make sure balusters are plum and treads are level).

4. Attach the handrail to the balusters and the platform rail to the platform and you have just installed a Basic Adjustable Sleeve Stair. All stair packages include necessary hardware and complete installation instructions (see website for more detailed instructions).

### CONTINUOUS SLEEVE

1. Locate the tread with the short hub and slide it over the center column (the bottom tread), then slide the remaining treads, filler sleeve, and platform over the center column.

2. Start the installation by attaching the platform in the desired location. Plumb the center column and attach the base plate to the floor with the supplied hardware.

3. Starting with the top tread, slide a baluster in the hole closest to the platform and attach to the tread. Then attach the baluster to the face of the platform. Next, slide a baluster in the front hole of the top tread and the back hole of the next tread and attach with the hardware. Continue this procedure with the remainder of the treads (make sure balusters are plum and treads are level).

4. Attach the handrail to the balusters and the platform rail to the platform and you have just installed a Basic Continuous Sleeve Stair. All stair packages include necessary hardware and complete installation instructions (see website for more detailed instructions).

### REQUIRED TOOL LIST:

1. Electric drill with hex chuck and Phillips bit
3. Socket Set
4. Tape Measure
5. Short magnetic level or 2' level
6. Hack Saw
7. Hammer
8. Saber Saw or Reciprocating Saw with a cutting blade for metal
9. Allen wrenches

[SalterSpiralStair.com](http://www.SalterSpiralStair.com)

105 G.P. Clement Drive, Collegeville, PA 19426
Phone: 610-489-5799 / Fax: 610-489-9286

Call 1-800-368-8280 for Sales Assistance

Salter Spiral Stair, 105 G.P. Clement Drive, Collegeville, PA 19426, Toll Free: 800-368-8280