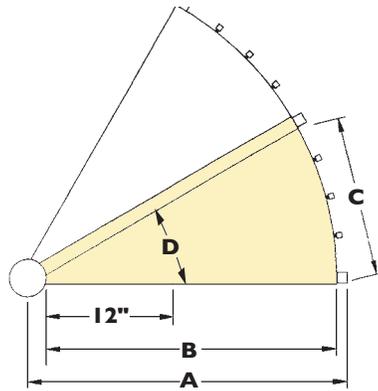


Order Guidelines

1 Diameter Common sizes of spiral stairways range from 3 1/2' to 6' diameter. A 5' diameter spiral stair meets requirements of many building codes. Custom diameters are available upon request. The finished opening should be 4" larger than the stair diameter to assure proper handrail clearance.



2 Height Measure the vertical distance from finished floor to finished floor. The stair is not adjustable.

Tread quantity is determined by finished floor to floor height divided by 9.5.

- 88 to 95" 9 treads
- > to 104 1/2" 10 treads
- > to 114" 11 treads
- > to 123 1/2" 12 treads
- > to 133" 13 treads
- > to 142 1/2" 14 treads
- > to 144" 15 treads

Stairs are available to any height. Multiple story spirals are available. Please inquire.

Tread Dimensions

| Diameter | 3 1/2' | 4' | 4 1/2' | 5' | 5 1/2' | 6' |
|------------|---------|---------|---------|---------|---------|---------|
| A (radius) | 21" | 24" | 27" | 30" | 33" | 36" |
| B | 18" | 21" | 24" | 27" | 30" | 33" |
| C @ 30° | 10 1/4" | 11 3/4" | 13 1/4" | 15" | 16 1/2" | 18" |
| D @ 30° | 7 1/2" | 7 1/2" | 7 1/2" | 7 1/2" | 7 1/2" | 7 1/2" |
| C @ 27° | 9 1/4" | 10 3/4" | 12" | 13 1/2" | 14 3/4" | 16 1/4" |
| D @ 27° | 6 5/8" | 6 5/8" | 6 5/8" | 6 5/8" | 6 5/8" | 6 5/8" |

(Dimensions C & D are from the nosing of one tread to the nosing of the next tread.)

3 Platform Style

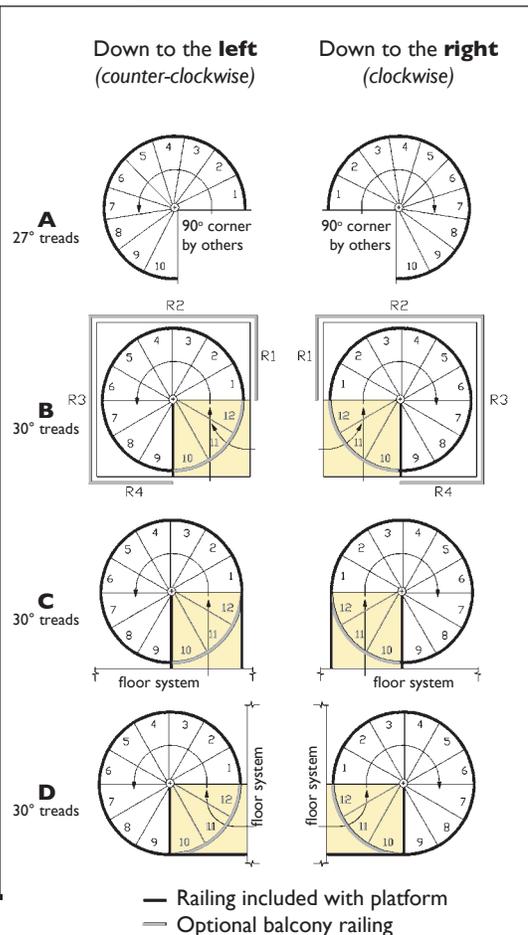
A No platform 90° corner by others. Shown with 27° treads (see Degree of Rotation at right). Please determine the upper floor system thickness and then check with us.

B Designed for use in a stairwell. The stairwell is assumed square unless specified round or otherwise. "B" platforms connect at two sides to the opening. If the finished opening is not 4" larger than the stairway, please provide dimensions.

C Designed for attaching to a balcony and has railings on two sides.

D Designed for attaching to a balcony and has an "L" shaped railing on two sides.

Custom platforms are often required when access is limited. Please check with us.



4 Direction of Rotation

Down to the **left** (counter-clockwise)

Down to the **right** (clockwise)

Degree of Rotation

30° Many building codes require 30° treads. Spiral stairs with platform B, C or D are supplied with 30° treads unless specified otherwise.

27° Stairs with No Platform are supplied with 27° treads to increase headroom under your 90° corner (unless specified otherwise). **WARNING:** 27° treads may not meet your building code requirements.

Custom tread rotation is also available.

NOTE: Platform nomenclature has changed from our printed price section. Please use the information found in this brochure and in our 12 page most popular stair version.

Order Guidelines

- Iron balcony railings can NOT be cut to length on site.

Iron balcony railings are very sturdy because they are built to job specifications.

All posts are welded to the railing.

- Let us determine the railing lengths.

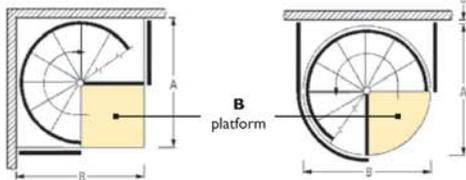
Supply a sketch of the finished opening with your order, including drywall or other finish material. The examples in this section illustrate the type of information required for us to build your railings accurately.

- Safety balcony railing is designed 36" tall with spaces less than 4", unless specified otherwise. This complies with most residential building code requirements.

- Your Iron balcony railings will fit well and install easily.

Determine Mid Baluster quantity

| | | Diameter of your stair | | | | | |
|---------------------|---|-------------------------------|-----|------|-----|-----|------|
| | | 3½' | 4' | 4½' | 5' | 5½' | 6' |
| Quantity | 0 | 10½" | 12" | 13½" | 15" | 17" | 18½" |
| | 1 | 4¾" | 5½" | 6½" | 7½" | 8" | 8½" |
| | 2 | 3" | 3½" | 4¼" | 5" | 5½" | 5¾" |
| | 3 | | | 3" | 3¼" | 3¾" | 4¼" |
| | 4 | | | | | | 3¼" |
| | | spacing between mid balusters | | | | | |
| base price includes | | 2 | 2 | 3 | 3 | 3 | 4 |

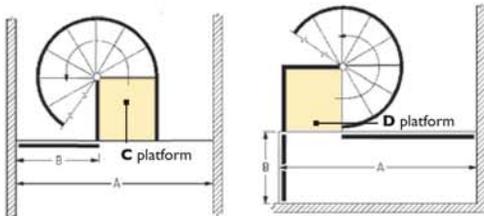


Square opening

A & B are finished opening dimensions. (down to the right)

Round opening

A & B are finished opening dimensions. C is the distance from the finished opening to the finished wall. (down to the left)



Balcony or loft railing

A & B are finished balcony dimensions. (down to the left)

Glossary of terms

