

# SALTER SPIRAL STAIRS TECHNICAL SPECIFICATIONS

## Aluminum Deck Spiral Stair Technical Specifications



Aluminum Deck Stair Code Package with composite tread cover slates

### Code Stair Package

#### Benefits of a Code Package

Designed for applications regulated by the national building codes. See our Codes Specifications section for further information.

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

Diameter	Recommended Finished Well Opening*	Platform Size	Clear Walking Path
5'	62" x 62"	31" x 31"	26"
5'6"	68" x 68"	34" x 34"	29"
6'	74" x 74"	37" x 37"	32"

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

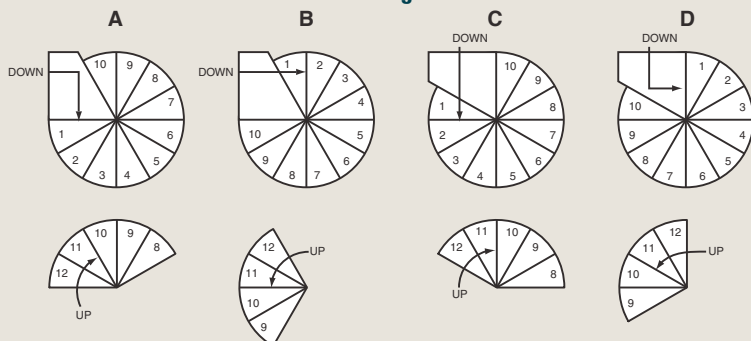
#### 30° Tread for Stair Sizes

5' | 5'6" | 6'

Floor to Floor Height Tread Adjustment		Treads & Risers Required		Degree of Rotation
Min.	Max.	Treads	Risers	
85"	95"	9	10	270°
93 1/2"	104 1/2"	10	11	300°
102"	114"	11	12	330°
110 1/2"	123 1/2"	12	13	360°
119"	133"	13	14	390°

*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.*

#### Code Package – 30°



# ALUMINUM DECK STAIRS TECHNICAL SPECIFICATIONS

## Standard Stair Package

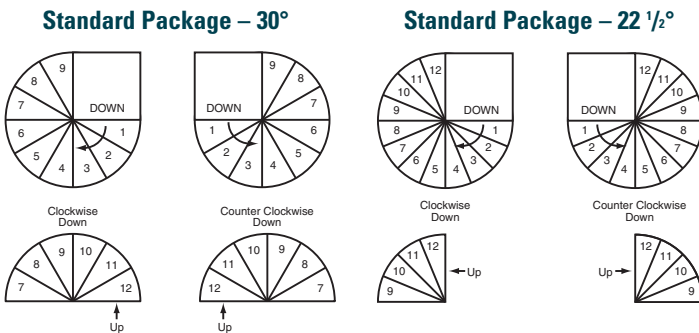
(Does Not Meet Code Compliancy)

### Standard 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, platform (square); 40" tall column extension

Diameter	Recommended Finished Well Opening*	Platform Size	Clear Walking Path
3'6"	44" x 44"	22" x 22"	17"
4'	50" x 50"	25" x 25"	20"
4'6"	56" x 56"	28" x 28"	23"
5'	62" x 62"	31" x 31"	26"
5'6"	68" x 68"	34" x 34"	29"
6'	74" x 74"	37" x 37"	32"
6'6"	80" x 80"	40" x 40"	35"

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



### 30° Tread for Stair Sizes

3'6" | 4' | 4'6" | 5' | 5'6" | 6'

Floor to Floor Height Tread Adjustment		Treads & Risers Required		Degree of Rotation
Min.	Max.	Treads	Risers	
85"	95"	9	10	270°
93 1/2"	104 1/2"	10	11	300°
102"	114"	11	12	330°
110 1/2"	123 1/2"	12	13	360°
119"	133"	13	14	390°

### 22 1/2° Tread for Stair Sizes

5' | 5'6" | 6' | 6'6"

Floor to Floor Height Tread Adjustment		Treads & Risers Required		Degree of Rotation
Min.	Max.	Treads	Risers	
82 1/2"	95"	10	11	225°
90"	102"	11	12	247 1/2°
97 1/2"	110 1/2"	12	13	270°
105"	119"	13	14	292 1/2°
112 1/2"	127 1/2"	14	15	315°

**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.

## Special Half-Turn Stair Package

(Does Not Meet Code Compliancy)

Diameter	Recommended Finished Well Opening	Platform Size	Clear Walking Path
5'6"	36" x 67"	N/A	28.5"
6'6"	42" x 79"	N/A </td <td>31.5"</td>	31.5"

### Special Half-Turn Packages Include:

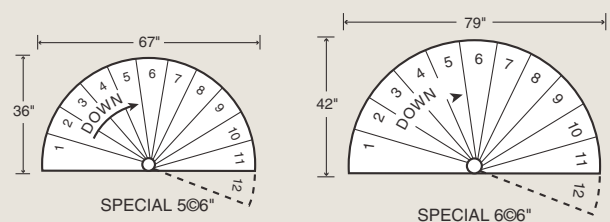
(Metal Stairs) Center Column, base plate and top cap; 1" outside diameter balusters; Adjustable treads; 1 1/2" outside diameter handrail; Platform railing, 1" x 1" frame with 1" round balusters; 38" tall column extension; 180° wood balcony bracket

### 16.36° Tread for Stair Sizes

5'6" | 6'6"

Floor to Floor Height Tread Adjustment		Treads & Risers Required		Degree of Rotation
Min.	Max.	Treads	Risers	
90"	102"	11	12	180°
97 1/2"	110 1/2"	12	13	196 1/3°

### Half-Turn Package – 16.36°



**NOTE:** The half-turn does not require a platform