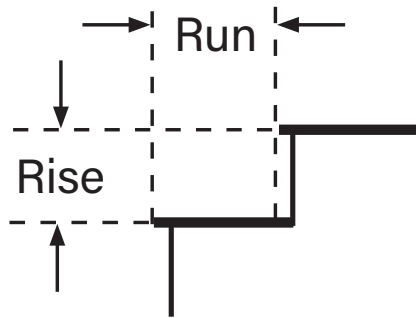


Cardinal Railing

Stair Racking Guide



Measure the rise and run as shown, and use the table to determine the stair angle in degrees.

If the angle is between 1 and 5 degrees, use Straight Section with Standard Wall Mounts.

	Run (in)																
Rise (in)	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15
1.0	8.1	7.6	7.1	6.7	6.3	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9	3.8
1.5	12.1	11.3	10.6	10.0	9.5	9.0	8.5	8.1	7.8	7.4	7.1	6.8	6.6	6.3	6.1	5.9	5.7
2.0	15.9	14.9	14.0	13.2	12.5	11.9	11.3	10.8	10.3	9.9	9.5	9.1	8.7	8.4	8.1	7.9	7.6
2.5	19.7	18.4	17.4	16.4	15.5	14.7	14.0	13.4	12.8	12.3	11.8	11.3	10.9	10.5	10.1	9.8	9.5
3.0	23.2	21.8	20.6	19.4	18.4	17.5	16.7	15.9	15.3	14.6	14.0	13.5	13.0	12.5	12.1	11.7	11.3
3.5	26.6	25.0	23.6	22.4	21.3	20.2	19.3	18.4	17.7	16.9	16.3	15.6	15.1	14.5	14.0	13.6	13.1
4.0	29.7	28.1	26.6	25.2	24.0	22.8	21.8	20.9	20.0	19.2	18.4	17.7	17.1	16.5	15.9	15.4	14.9
4.5	32.7	31.0	29.4	27.9	26.6	25.3	24.2	23.2	22.2	21.4	20.6	19.8	19.1	18.4	17.8	17.2	16.7
5.0	35.5	34.0	32.0	30.5	29.1	27.8	26.6	25.5	24.4	23.5	22.6	21.8	21.0	20.3	19.7	19.0	18.4
5.5	38.2	36.3	34.5	32.9	31.4	30.1	28.8	27.6	26.6	25.6	24.6	23.7	22.9	22.2	21.4	20.8	20.1
6.0	40.6	38.7	36.8	35.2	33.7	32.3	31.0	29.7	28.6	27.6	26.6	25.6	24.8	24.0	23.2	22.5	21.8
6.5	42.9	40.9	39.1	37.4	35.8	34.4	33.0	31.8	30.6	29.5	28.4	27.5	26.6	25.7	24.9	24.1	23.4
7.0	45.0	43.0	41.2	39.5	37.9	36.4	35.0	33.7	32.5	31.3	30.3	29.2	28.3	27.4	26.6	25.8	25.0
7.5	47.0	45.0	43.2	41.4	39.8	38.3	36.9	35.5	34.3	33.1	32.0	31.0	30.0	29.1	28.2	27.4	26.6
8.0	48.8	46.8	45.0	43.3	41.6	40.1	38.7	37.3	36.0	34.8	33.7	32.6	31.6	30.7	29.7	28.9	28.1
8.5	50.5	48.6	46.7	45.0	43.4	41.8	40.4	39.0	37.7	36.5	35.3	34.2	33.2	32.2	31.3	30.4	29.5

Beyond the recommended angle.

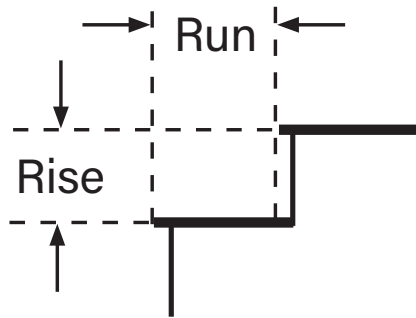
If the angle is between 32 and 36 degrees, use Standard Stair Section with Standard Stair Mounts.

If the angle is between 6 and 32 degrees **OR** 37 and 38 degrees, use Special Stair Section* with Standard Stair Mounts (job site modification may be needed).

*For Special Stair Sections please specify rise and run on order.

Falcon Railing

Stair Racking Guide



Measure the rise and run as shown, and use the table to determine the stair angle in degrees.

If the angle is between 1 and 5 degrees, use Straight Section with Standard Wall Mounts.

Rise (in)	Run (in)																
	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15
1.0	8.1	7.6	7.1	6.7	6.3	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9	3.8
1.5	12.1	11.3	10.6	10.0	9.5	9.0	8.5	8.1	7.8	7.4	7.1	6.8	6.6	6.3	6.1	5.9	5.7
2.0	15.9	14.9	14.0	13.2	12.5	11.9	11.3	10.8	10.3	9.9	9.5	9.1	8.7	8.4	8.1	7.9	7.6
2.5	19.7	18.4	17.4	16.4	15.5	14.7	14.0	13.4	12.8	12.3	11.8	11.3	10.9	10.5	10.1	9.8	9.5
3.0	23.2	21.8	20.6	19.4	18.4	17.5	16.7	15.9	15.3	14.6	14.0	13.5	13.0	12.5	12.1	11.7	11.3
3.5	26.6	25.0	23.6	22.4	21.3	20.2	19.3	18.4	17.7	16.9	16.3	15.6	15.1	14.5	14.0	13.6	13.1
4.0	29.7	28.1	26.6	25.2	24.0	22.8	21.8	20.9	20.0	19.2	18.4	17.7	17.1	16.5	15.9	15.4	14.9
4.5	32.7	31.0	29.4	27.9	26.6	25.3	24.2	23.2	22.2	21.4	20.6	19.8	19.1	18.4	17.8	17.2	16.7
5.0	35.5	34.0	32.0	30.5	29.1	27.8	26.6	25.5	24.4	23.5	22.6	21.8	21.0	20.3	19.7	19.0	18.4
5.5	38.2	36.3	34.5	32.9	31.4	30.1	28.8	27.6	26.6	25.6	24.6	23.7	22.9	22.2	21.4	20.8	20.1
6.0	40.6	38.7	36.8	35.2	33.7	32.3	31.0	29.7	28.6	27.6	26.6	25.6	24.8	24.0	23.2	22.5	21.8
6.5	42.9	40.9	39.1	37.4	35.8	34.4	33.0	31.8	30.6	29.5	28.4	27.5	26.6	25.7	24.9	24.1	23.4
7.0	45.0	43.0	41.2	39.5	37.9	36.4	35.0	33.7	32.5	31.3	30.3	29.2	28.3	27.4	26.6	25.8	25.0
7.5	47.0	45.0	43.2	41.4	39.8	38.3	36.9	35.5	34.3	33.1	32.0	31.0	30.0	29.1	28.2	27.4	26.6
8.0	48.8	46.8	45.0	43.3	41.6	40.1	38.7	37.3	36.0	34.8	33.7	32.6	31.6	30.7	29.7	28.9	28.1
8.5	50.5	48.6	46.7	45.0	43.4	41.8	40.4	39.0	37.7	36.5	35.3	34.2	33.2	32.2	31.3	30.4	29.5

Beyond the recommended angle.

If the angle is between 32 and 36 degrees, use Standard Stair Section with Standard Stair Mounts.

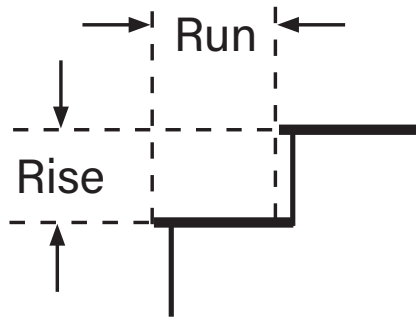
If the angle is between 6 and 32 degrees **OR** 37 and 38 degrees, use Special Stair Section* with Uncut Stair Mounts (job site modification may be needed).

*For Special Stair Sections please specify rise and run on order.

Raven Railing



Stair Racking Guide



Measure the rise and run as shown, and use the table to determine the stair angle in degrees.

If the angle is between 1 and 5 degrees, use Straight Section with Standard Wall Mounts.

Rise (in)	Run (in)																
	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15
1.0	8.1	7.6	7.1	6.7	6.3	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9	3.8
1.5	12.1	11.3	10.6	10.0	9.5	9.0	8.5	8.1	7.8	7.4	7.1	6.8	6.6	6.3	6.1	5.9	5.7
2.0	15.9	14.9	14.0	13.2	12.5	11.9	11.3	10.8	10.3	9.9	9.5	9.1	8.7	8.4	8.1	7.9	7.6
2.5	19.7	18.4	17.4	16.4	15.5	14.7	14.0	13.4	12.8	12.3	11.8	11.3	10.9	10.5	10.1	9.8	9.5
3.0	23.2	21.8	20.6	19.4	18.4	17.5	16.7	15.9	15.3	14.6	14.0	13.5	13.0	12.5	12.1	11.7	11.3
3.5	26.6	25.0	23.6	22.4	21.3	20.2	19.3	18.4	17.7	16.9	16.3	15.6	15.1	14.5	14.0	13.6	13.1
4.0	29.7	28.1	26.6	25.2	24.0	22.8	21.8	20.9	20.0	19.2	18.4	17.7	17.1	16.5	15.9	15.4	14.9
4.5	32.7	31.0	29.4	27.9	26.6	25.3	24.2	23.2	22.2	21.4	20.6	19.8	19.1	18.4	17.8	17.2	16.7
5.0	35.5	34.0	32.0	30.5	29.1	27.8	26.6	25.5	24.4	23.5	22.6	21.8	21.0	20.3	19.7	19.0	18.4
5.5	38.2	36.3	34.5	32.9	31.4	30.1	28.8	27.6	26.6	25.6	24.6	23.7	22.9	22.2	21.4	20.8	20.1
6.0	40.6	38.7	36.8	35.2	33.7	32.3	31.0	29.7	28.6	27.6	26.6	25.6	24.8	24.0	23.2	22.5	21.8
6.5	42.9	40.9	39.1	37.4	35.8	34.4	33.0	31.8	30.6	29.5	28.4	27.5	26.6	25.7	24.9	24.1	23.4
7.0	45.0	43.0	41.2	39.5	37.9	36.4	35.0	33.7	32.5	31.3	30.3	29.2	28.3	27.4	26.6	25.8	25.0
7.5	47.0	45.0	43.2	41.4	39.8	38.3	36.9	35.5	34.3	33.1	32.0	31.0	30.0	29.1	28.2	27.4	26.6
8.0	48.8	46.8	45.0	43.3	41.6	40.1	38.7	37.3	36.0	34.8	33.7	32.6	31.6	30.7	29.7	28.9	28.1
8.5	50.5	48.6	46.7	45.0	43.4	41.8	40.4	39.0	37.7	36.5	35.3	34.2	33.2	32.2	31.3	30.4	29.5

Beyond the recommended angle.

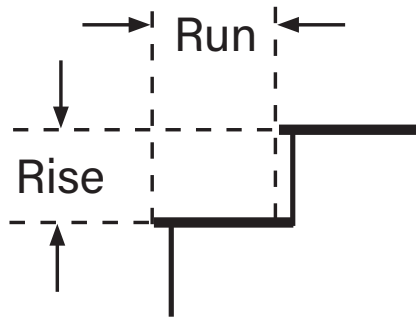
If the angle is between 32 and 36 degrees, use Standard Stair Section with Standard Stair Mounts.

If the angle is between 6 and 32 degrees **OR** 37 and 38 degrees, use Special Stair Section* with Special Stair/Angle Mounts (uncut).

*For Special Stair Sections please specify rise and run on order.

T-Bird Railing

Stair Racking Guide



Measure the rise and run as shown, and use the table to determine the stair angle in degrees.

If the angle is between 1 and 5 degrees, use Straight Section with Standard Wall Mounts.

Rise (in)	Run (in)																
	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15
1.0	8.1	7.6	7.1	6.7	6.3	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9	3.8
1.5	12.1	11.3	10.6	10.0	9.5	9.0	8.5	8.1	7.8	7.4	7.1	6.8	6.6	6.3	6.1	5.9	5.7
2.0	15.9	14.9	14.0	13.2	12.5	11.9	11.3	10.8	10.3	9.9	9.5	9.1	8.7	8.4	8.1	7.9	7.6
2.5	19.7	18.4	17.4	16.4	15.5	14.7	14.0	13.4	12.8	12.3	11.8	11.3	10.9	10.5	10.1	9.8	9.5
3.0	23.2	21.8	20.6	19.4	18.4	17.5	16.7	15.9	15.3	14.6	14.0	13.5	13.0	12.5	12.1	11.7	11.3
3.5	26.6	25.0	23.6	22.4	21.3	20.2	19.3	18.4	17.7	16.9	16.3	15.6	15.1	14.5	14.0	13.6	13.1
4.0	29.7	28.1	26.6	25.2	24.0	22.8	21.8	20.9	20.0	19.2	18.4	17.7	17.1	16.5	15.9	15.4	14.9
4.5	32.7	31.0	29.4	27.9	26.6	25.3	24.2	23.2	22.2	21.4	20.6	19.8	19.1	18.4	17.8	17.2	16.7
5.0	35.5	34.0	32.0	30.5	29.1	27.8	26.6	25.5	24.4	23.5	22.6	21.8	21.0	20.3	19.7	19.0	18.4
5.5	38.2	36.3	34.5	32.9	31.4	30.1	28.8	27.6	26.6	25.6	24.6	23.7	22.9	22.2	21.4	20.8	20.1
6.0	40.6	38.7	36.8	35.2	33.7	32.3	31.0	29.7	28.6	27.6	26.6	25.6	24.8	24.0	23.2	22.5	21.8
6.5	42.9	40.9	39.1	37.4	35.8	34.4	33.0	31.8	30.6	29.5	28.4	27.5	26.6	25.7	24.9	24.1	23.4
7.0	45.0	43.0	41.2	39.5	37.9	36.4	35.0	33.7	32.5	31.3	30.3	29.2	28.3	27.4	26.6	25.8	25.0
7.5	47.0	45.0	43.2	41.4	39.8	38.3	36.9	35.5	34.3	33.1	32.0	31.0	30.0	29.1	28.2	27.4	26.6
8.0	48.8	46.8	45.0	43.3	41.6	40.1	38.7	37.3	36.0	34.8	33.7	32.6	31.6	30.7	29.7	28.9	28.1
8.5	50.5	48.6	46.7	45.0	43.4	41.8	40.4	39.0	37.7	36.5	35.3	34.2	33.2	32.2	31.3	30.4	29.5

Beyond the recommended angle.

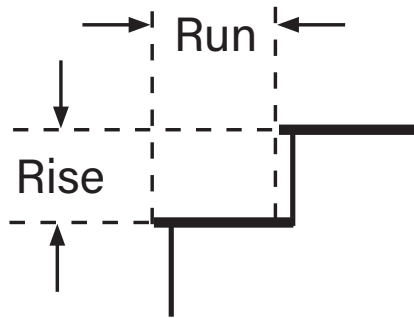
If the angle is between 32 and 36 degrees, use Standard Stair Section with Standard Stair Mounts.

If the angle is between 6 and 32 degrees **OR** 37 and 38 degrees, use Special Stair Section* with Standard Stair Mounts (job site modification may be needed).

*For Special Stair Sections please specify rise and run on order.

TRX Railing

Stair Racking Guide



Measure the rise and run as shown, and use the table to determine the stair angle in degrees.

If the angle is between 1 and 5 degrees, use Straight Section with Standard Wall Mounts.

Rise (in)	Run (in)																
	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15
1.0	8.1	7.6	7.1	6.7	6.3	6.0	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9	3.8
1.5	12.1	11.3	10.6	10.0	9.5	9.0	8.5	8.1	7.8	7.4	7.1	6.8	6.6	6.3	6.1	5.9	5.7
2.0	15.9	14.9	14.0	13.2	12.5	11.9	11.3	10.8	10.3	9.9	9.5	9.1	8.7	8.4	8.1	7.9	7.6
2.5	19.7	18.4	17.4	16.4	15.5	14.7	14.0	13.4	12.8	12.3	11.8	11.3	10.9	10.5	10.1	9.8	9.5
3.0	23.2	21.8	20.6	19.4	18.4	17.5	16.7	15.9	15.3	14.6	14.0	13.5	13.0	12.5	12.1	11.7	11.3
3.5	26.6	25.0	23.6	22.4	21.3	20.2	19.3	18.4	17.7	16.9	16.3	15.6	15.1	14.5	14.0	13.6	13.1
4.0	29.7	28.1	26.6	25.2	24.0	22.8	21.8	20.9	20.0	19.2	18.4	17.7	17.1	16.5	15.9	15.4	14.9
4.5	32.7	31.0	29.4	27.9	26.6	25.3	24.2	23.2	22.2	21.4	20.6	19.8	19.1	18.4	17.8	17.2	16.7
5.0	35.5	34.0	32.0	30.5	29.1	27.8	26.6	25.5	24.4	23.5	22.6	21.8	21.0	20.3	19.7	19.0	18.4
5.5	38.2	36.3	34.5	32.9	31.4	30.1	28.8	27.6	26.6	25.6	24.6	23.7	22.9	22.2	21.4	20.8	20.1
6.0	40.6	38.7	36.8	35.2	33.7	32.3	31.0	29.7	28.6	27.6	26.6	25.6	24.8	24.0	23.2	22.5	21.8
6.5	42.9	40.9	39.1	37.4	35.8	34.4	33.0	31.8	30.6	29.5	28.4	27.5	26.6	25.7	24.9	24.1	23.4
7.0	45.0	43.0	41.2	39.5	37.9	36.4	35.0	33.7	32.5	31.3	30.3	29.2	28.3	27.4	26.6	25.8	25.0
7.5	47.0	45.0	43.2	41.4	39.8	38.3	36.9	35.5	34.3	33.1	32.0	31.0	30.0	29.1	28.2	27.4	26.6
8.0	48.8	46.8	45.0	43.3	41.6	40.1	38.7	37.3	36.0	34.8	33.7	32.6	31.6	30.7	29.7	28.9	28.1
8.5	50.5	48.6	46.7	45.0	43.4	41.8	40.4	39.0	37.7	36.5	35.3	34.2	33.2	32.2	31.3	30.4	29.5

Beyond the recommended angle.

If the angle is between 32 and 36 degrees, use Standard Stair Section with Standard Stair Mounts.

If the angle is between 6 and 32 degrees **OR** 37 and 38 degrees, use Special Stair Section* with Special Stair/Angle Mounts (uncut).

*For Special Stair Sections please specify rise and run on order.