

Stairway Quick Reference Guide:

How to Calculate the Number of Treads Needed

RISE																		
127-1/2"																		16
120"																		15
112-1/2"																	14	
105"																	13	
97-1/2"																	12	
90"																	11	
82-1/2"																	10	
75"																	9	
67-1/2"																	8	
60"																	7	
52-1/2"																	6	
45"																	5	
37-1/2"																	4	
30"																	3	
22-1/2"																	2	
15"																	1	
7-1/2"																	0	
RUN	10"	20"	30"	40"	50"	60"	70"	80"	90"	100"	110"	120"	130"	140"	150"	160"	170"	

How to use this table:

- Measure the "Rise" or height of the stair system. Do this by measuring the vertical distance from the first to second floor that the stairs will travel. (If there is a landing involved, measure from the floor to the top of the landing to find the rise of the stairway from the floor to the first landing. Then, subtract the height of the landing from the total height from floor to floor to get the rise from the landing to the second floor.)
- Measure the "Run" or length of the stair system. Do this by measuring from where your stairs will begin to the wall or directly below the header that your stairs will attach to at the second floor. (If a landing is involved, measure the horizontal distance from the beginning of the first stairway to the foot of the landing. Then, measure from the foot of the landing to the wall or directly below the header where the stairway will attach to the second floor.)
- When both the Rise and Run have been measured, find your measurements on the table and follow the row and column your measurements fall into and where they intersect is the number of treads your stair system will include.
(ex. Rise (Height) = 105" Run (Length) = 140" | # of Treads Needed = 13)
- If your Rise or Run falls somewhere between the measurements shown on the graph, round up to the next measurement shown. (ex. Rise = 86" round up to 90" etc.)