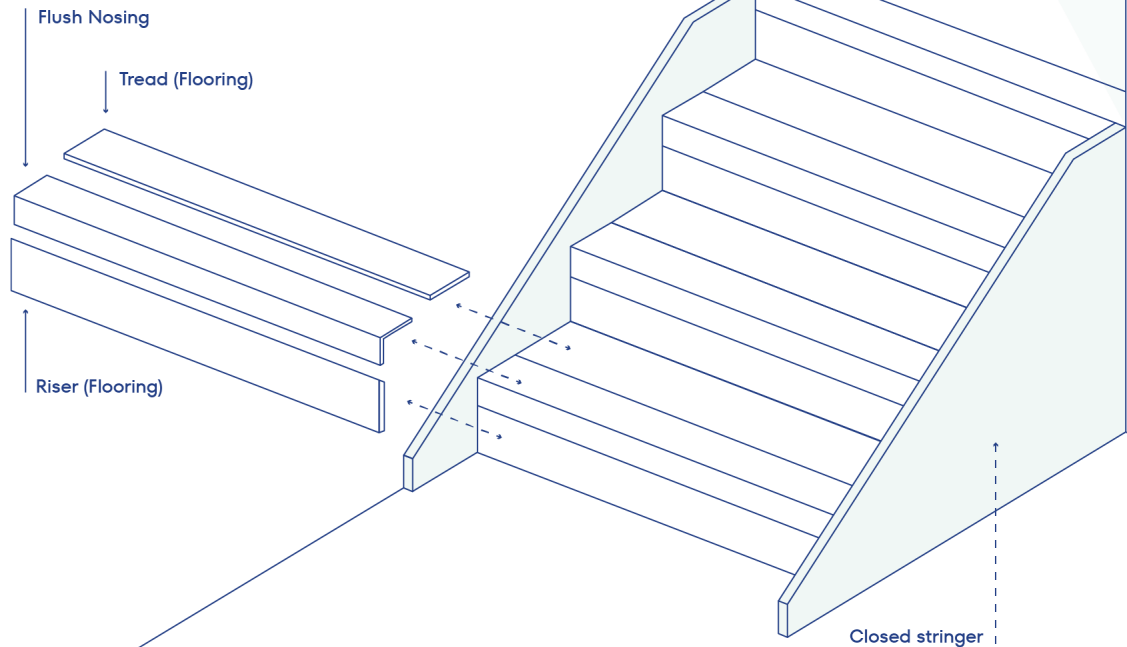# STUGA

STUGA 101: HOW TO MEASURE FOR STAIRS
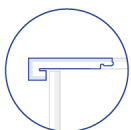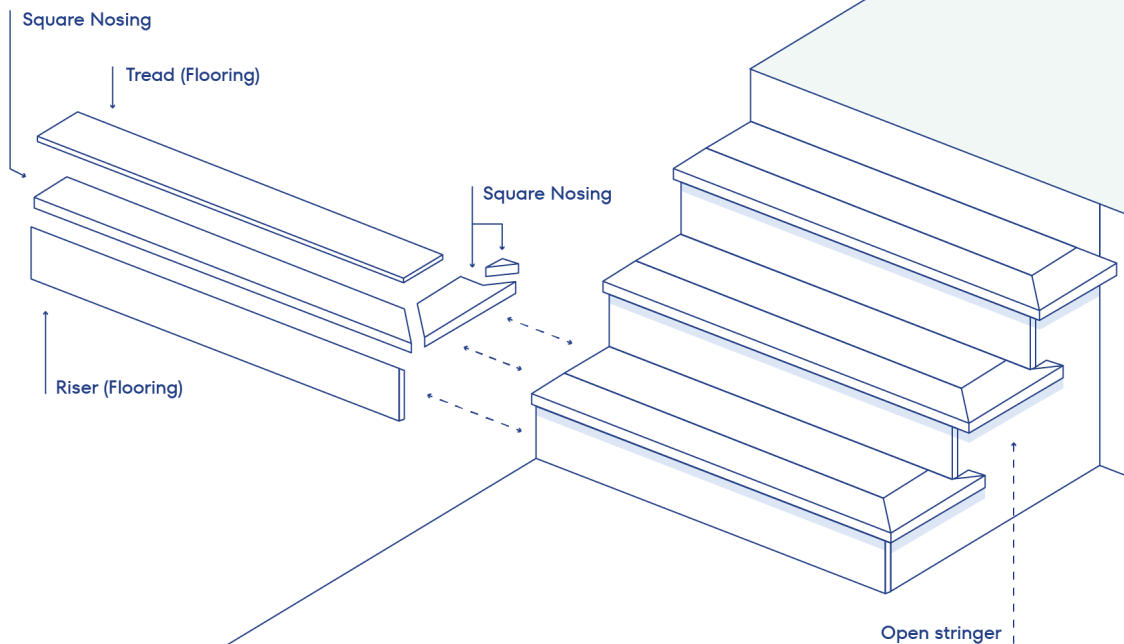
Stair Guide

Understanding stair parts

We offer two beautiful stair solutions and each of those solutions are comprised of various parts. Below we identify the individuals parts of each solution to help you understand what you need to purchase.
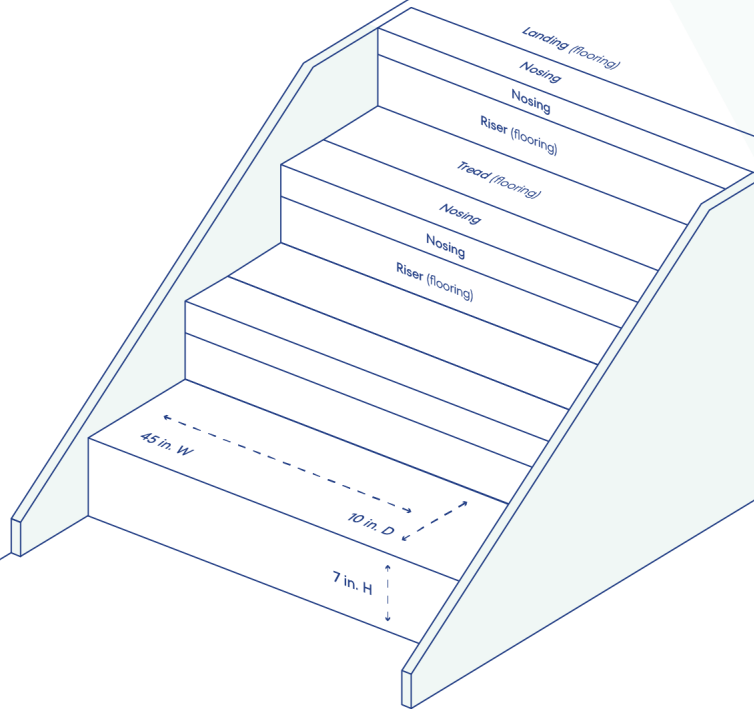
Flush Nosing

Tread (Flooring)

Riser (Flooring)

Closed stringer

Flush Nosing Solution
with closed stringer

Square Nosing

Tread (Flooring)

Square Nosing

Riser (Flooring)

Square Nosing Solution
with open stringer

Open stringer

Measuring

For this example, we are going to be using a closed stringer staircase, meaning your stairs end at the wall on both sides.

Landing *(flooring)*
Nosing
Nosing
Riser *(flooring)*
Tread *(flooring)*
Nosing
Nosing
Riser *(flooring)*

45 in. W

10 in. D

7 in. H

Step 1: Measure your tread

The tread of your stairs is where you step. In the above example, our tread is 45 inches wide and 10 inches deep.

Tread: 45" W x 10" D

Step 2: Measure your riser

The riser of your step is the vertical area at the back. In the above example, our riser is 45 inches wide and 7 inches in height.

Riser: 45" W x 7" H

Step 3: Nosing calculation

As you can see in the above illustration, the nosing edge is where your riser meets the tread. In our example, we will be using our Ingrid nosing which is 84 inches long.

That means we will need one nosing per stair (and landing) because you shouldn't have one nosing end in the middle of your step. Each step needs one continuous nosing across the step.

Nosings needed:
4 Nosings (3 steps and 1 landing)

Step 4: Flooring calculation

Some parts of the tread and riser will need to be flooring, and the easiest way to do that is calculate square footage of each. Below we are showing W x H/D, dividing by 12, then dividing by 12 again to get your final square footage number.

Tread:
45" x 10" = 450"
450" / 12" = 37.5"
37.5" / 12" = 3.125" per tread
3.125" x 3 treads = *9.375 sq ft*

Riser:
45" x 7" = 315"
315" / 12" = 26.25"
26.25" / 12" = 2.10" per riser
2.10" x 4 risers = *8.4 sq ft*

Total flooring needed:
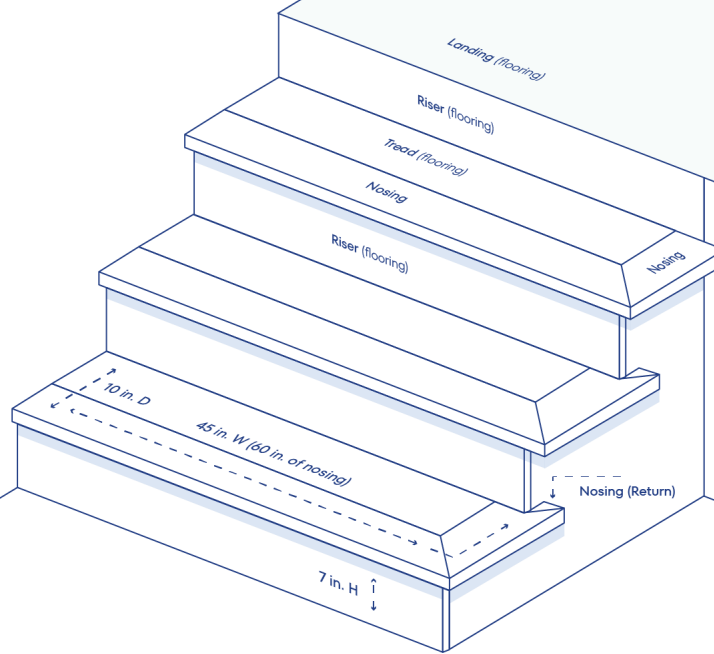9.375 + 8.4 = *17.775 sq ft*

What to buy

• 4 Flush Ingrid Nosings
• 1 Carton of Ingrid flooring (24.111 square feet per carton)

* If you have an open stringer staircase and you are using flush nosings, you will need to purchase our Flush Nosing Endcaps.

Measuring

For this example, we are going to be using a open stringer staircase, meaning your stairs are open on one or both sides.

We will need nosing for the front edge of the tread in addition to the open side of the tread.

Landing (flooring)

Riser (flooring)

Tread (flooring)

Nosing

Riser (flooring)

Nosing

10 in. D

45 in. W (60 in. of nosing)

Nosing (Return)

7 in. H

Step 1: Measure your tread

The tread of your stairs is where you step. In the above example, our tread is 45 inches wide and 10 inches deep.

Tread: 45" W x 10" D

Step 2: Measure your riser

The riser of your step is the vertical area at the back. In the above example, our riser is 45 inches wide and 7 inches in height.

Riser: 45" W x 7" H

What to buy

• 4 Square Ingrid Nosings
• 1 Carton of Ingrid flooring
(24.111 square feet per carton)

Step 3: Nosing calculation

For open stringers we will need to add a few inches to each measurement to account for the front nosing running over the exposed the edge when mitered with the side nosing, in addition to the side nosing running past the riser with a return as well.

So we recommend accounting for **60"** of nosing here for each open tread. Since an Ingrid nosing is 84" long we will need one nosing for every step, which includes the top step that is the hallway. A nosing cannot stop in the middle of the stair, one complete nosing must span the entire length.

Nosings needed:

4 Nosings (3 steps and 1 landing)

Step 4: Flooring calculation

Some parts of the tread and riser will need to be flooring, and the easiest way to do that is calculate square footage of each. Below we are showing W x H/D, dividing by 12, then dividing by 12 again to get your final square footage number.

Tread:
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2.10" x 4 risers = *8.4 sq ft*

Total flooring needed:
9.375 + 8.4 = *17.775 sq ft*