

# Gutters

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Gutters are the padding between your columns, used to responsively space and align content in the Bootstrap grid system.



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## How they work

- Gutters are the gaps between column content, created by horizontal padding.** We set `padding-right` and `padding-left` on each column, and use negative `margin` to offset that at the start and end of each row to align content.
- Gutters start at 1.5rem (24px) wide.** This allows us to match our grid to the [padding and margin spacers](#) scale.
- Gutters can be responsively adjusted.** Use breakpoint-specific gutter classes to modify horizontal gutters, vertical gutters, and all gutters.

## Horizontal gutters

`.gx-*` classes can be used to control the horizontal gutter widths. The `.container` or `.container-fluid` parent may need to be adjusted if larger gutters are used too to avoid unwanted overflow, using a matching padding utility. For example, in the following example we've increased the padding with `.px-4`:

Custom column padding

Custom column padding

```
<div class="container px-4">
  <div class="row gx-5">
    <div class="col">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
  </div>
</div>
```

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An alternative solution is to add a wrapper around the `.row` with the `.overflow-hidden` class:

Custom column padding

Custom column padding

```
<div class="container overflow-hidden">
  <div class="row gx-5">
    <div class="col">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
  </div>
</div>
```

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## Vertical gutters

`.gy-*` classes can be used to control the vertical gutter widths. Like the horizontal gutters, the vertical gutters can cause some overflow below the `.row` at the end of a page. If this occurs, you add a wrapper around `.row` with the `.overflow-hidden` class:

Custom column padding

Custom column padding

Custom column padding

Custom column padding

```
<div class="container overflow-hidden">
  <div class="row gy-5">
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
  </div>
</div>
```

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## Horizontal & vertical gutters

`.g-*` classes can be used to control the horizontal gutter widths, for the following example we use a smaller gutter width, so there won't be a need to add the `.overflow-hidden` wrapper class.

Custom column padding

Custom column padding

Custom column padding

Custom column padding

```
<div class="container">
  <div class="row g-2">
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
    <div class="col-6">
      <div class="p-3 border bg-light">Custom column padding</div>
    </div>
  </div>
</div>
```

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## Row columns gutters

Gutter classes can also be added to [row columns](#). In the following example, we use responsive row columns and responsive gutter classes.

Row column

Row column

Row column

Row column

Row column

Row column

Row column

Row column

Row column

Row column

```
<div class="container">
```

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[illegible]

## No gutters

The gutters between columns in our predefined grid classes can be removed with `.g-0`. This removes the negative margins from `.row` and the horizontal padding from all immediate children columns.

**Need an edge-to-edge design?** Drop the parent `.container` or `.container-fluid`.

In practice, here's how it looks. Note you can continue to use this with all other predefined grid classes (including column widths, responsive tiers, reorders, and more).

```
.col-sm-6 .col-md-8
```

```
.col-6 .col-md-4
```

```
<div class="row g-0">  
  <div class="col-sm-6 col-md-8">.col-sm-6 .col-md-8</div>  
  <div class="col-6 col-md-4">.col-6 .col-md-4</div>  
</div>
```

## Change the gutters

Classes are built from the `$gutters` Sass map which is inherited from the `$spacers` Sass map.

```
$grid-gutter-width: 1.5rem;
$gutters: (
  0: 0,
  1: $spacer * .25,
  2: $spacer * .5,
  3: $spacer,
  4: $spacer * 1.5,
  5: $spacer * 3,
);
```

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