

# Gauge Scale Properties

These properties affect gauge scales. A gauge scale fits into one of three categories, based on whether it has ticks, labels, or a track. Each category has its own properties.

For a guide to using gauges, see [Designing Gauges](#).



Gauges and gauge scales can also be affected using [Common Properties](#).

Scale Ticks Renderer properties

Scale Labels Renderer properties

Scale Track Renderer properties

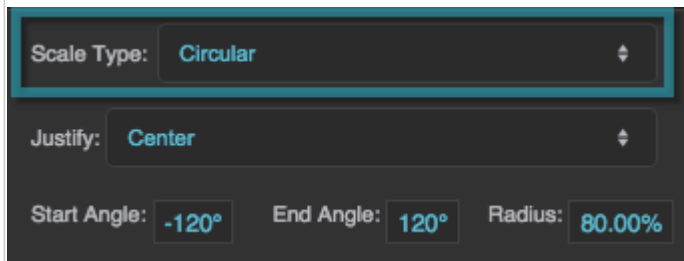
Click to display/hide all elements

## Shared Gauge Scale Properties

These properties affect the shape of any type of gauge scale.

### Scale Type

Specifies whether the shape of the scale is defined by a circle or a straight line.

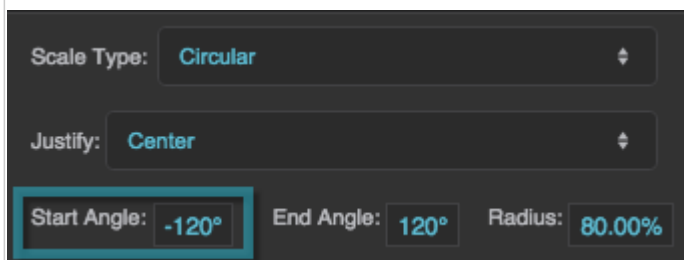


A screenshot of a dark-themed dialog box titled 'Gauge Scale Properties'. It contains several controls: a dropdown menu for 'Scale Type' set to 'Circular', a dropdown menu for 'Justify' set to 'Center', and three input fields for 'Start Angle' (-120°), 'End Angle' (120°), and 'Radius' (80.00%). The 'Scale Type' dropdown is highlighted with a red rectangular box.

*The Scale Type property*

### Start Angle

Defines the start angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between  $-180$  and  $180$ .

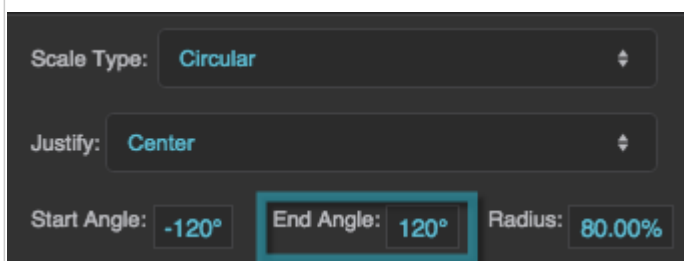


A screenshot of a dark-themed dialog box titled 'Gauge Scale Properties'. It contains several controls: a dropdown menu for 'Scale Type' set to 'Circular', a dropdown menu for 'Justify' set to 'Center', and three input fields for 'Start Angle' (-120°), 'End Angle' (120°), and 'Radius' (80.00%). The 'Start Angle' input field is highlighted with a red rectangular box.

*The Start Angle property*

### End Angle

Defines the end angle of the circular scale. A value of zero indicates the top of the circle. Valid values are between  $-180$  and  $180$ .

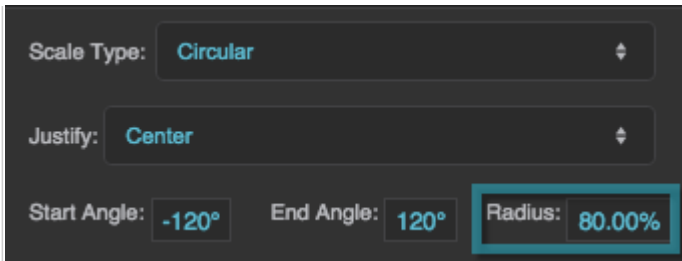


A screenshot of a dark-themed dialog box titled 'Gauge Scale Properties'. It contains several controls: a dropdown menu for 'Scale Type' set to 'Circular', a dropdown menu for 'Justify' set to 'Center', and three input fields for 'Start Angle' (-120°), 'End Angle' (120°), and 'Radius' (80.00%). The 'End Angle' input field is highlighted with a red rectangular box.

*The End Angle property*

### Radius

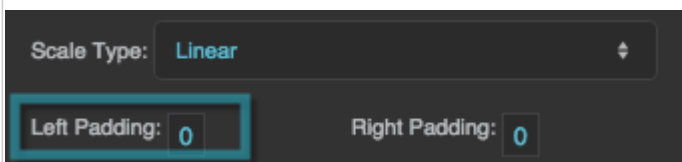
Defines the radius of the circle that defines the scale, as a percentage of either half the width or half the height of the container, whichever is larger.



*The Radius property*

### Left Padding

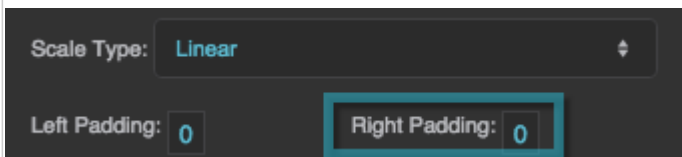
Defines the distance between the left side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See [Borders, Padding, and Content Size](#).



*The Left Padding property*

### Right Padding

Defines the distance between the right side of a linear scale and the container boundary, in pixels. If a border stroke is defined, defines the distance between the scale and the border stroke. See [Borders, Padding, and Content Size](#).



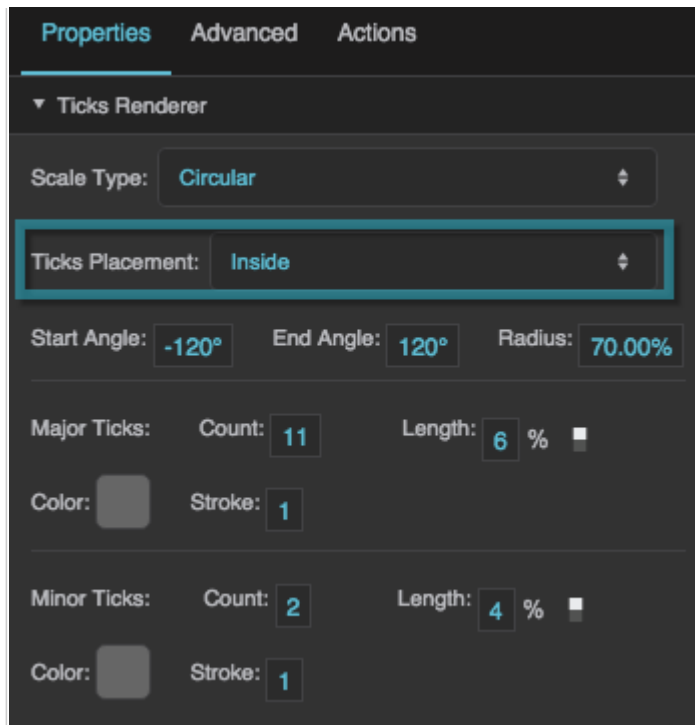
*The Right Padding property*

## Scale Ticks Renderer Properties

These properties affect a scale with ticks.

### Ticks Placement

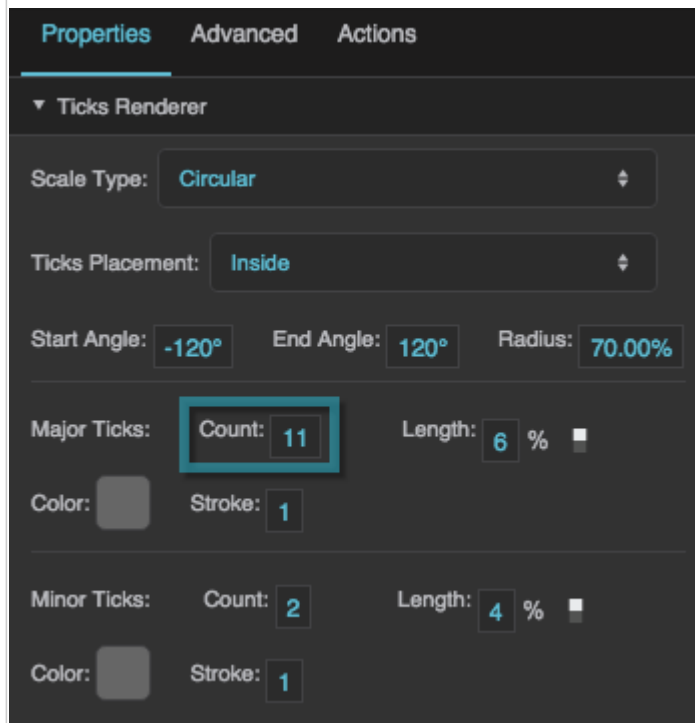
Specifies whether the ticks are positioned on the inside, outside, or center of the circle or line that defines the scale.



*The Ticks Placement property*

## Major Tick Count

Defines the total number of major ticks along this scale.

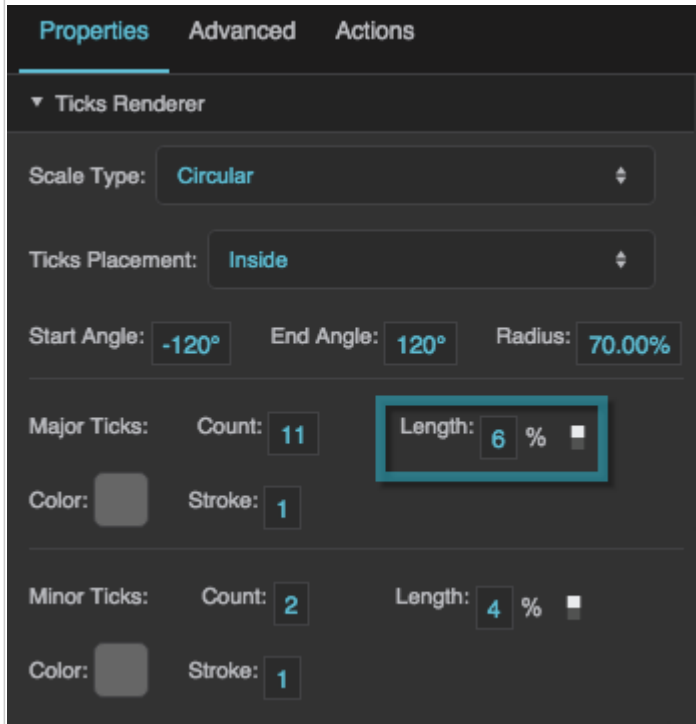


*The Major Tick Count property*

## Major Ticks Length

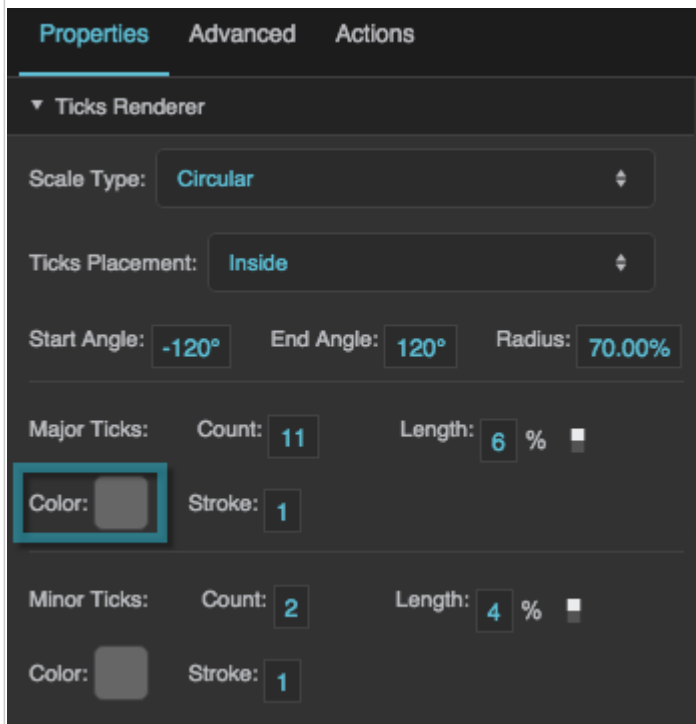
Defines the length of each major tick, as a pixel value or a percentage. For circular scales, a percentage

is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



*The Major Tick Length property*

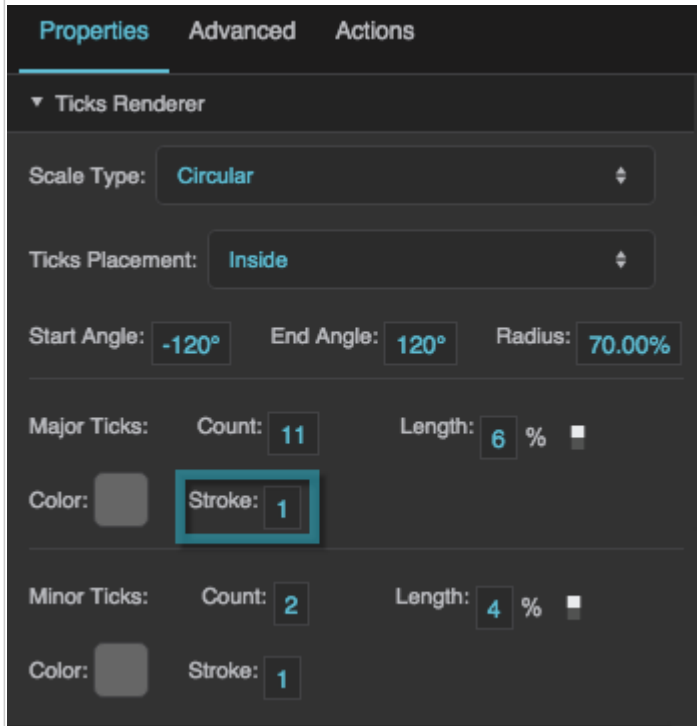
Defines the stroke color of the major ticks.



*The Major Tick Color property*

### Major Tick Stroke Weight

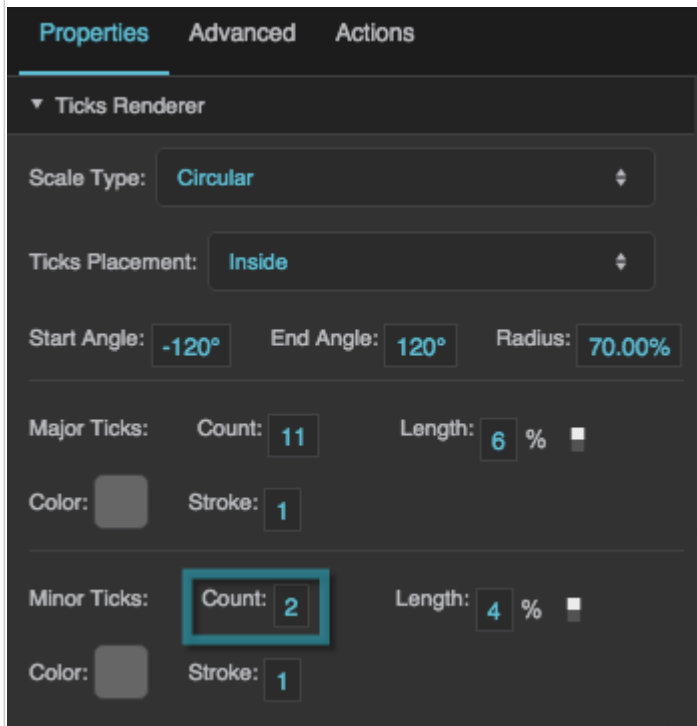
Defines the stroke weight of each major tick.



*The Major Tick Weight property*

### Minor Tick Count

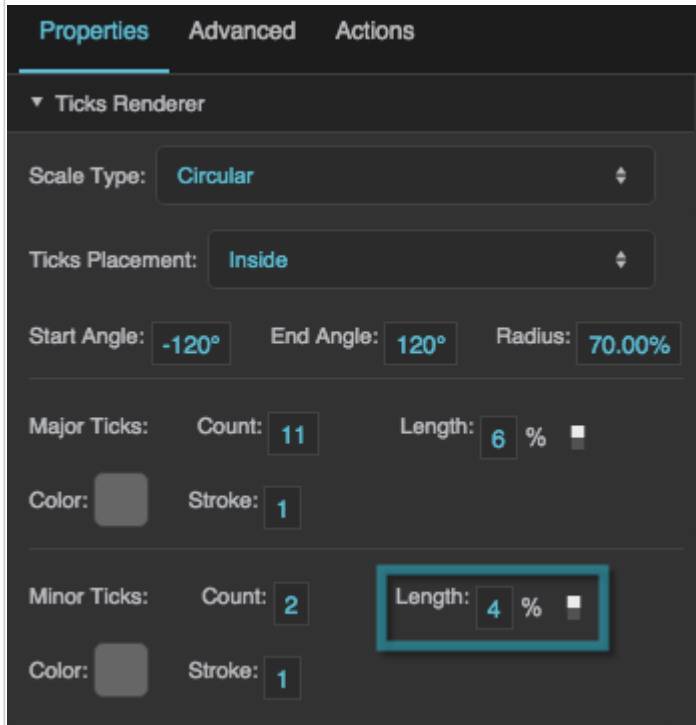
Defines the number of minor ticks between each consecutive pair of major ticks.



*The Minor Tick Count property*

### Minor Tick Length

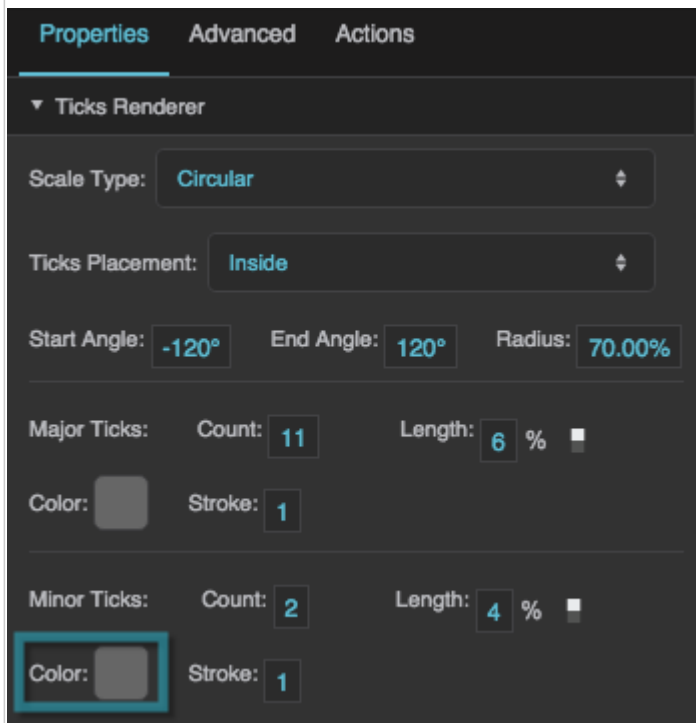
Defines the length of each minor tick, as a pixel value or a percentage. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



The Minor Tick Length property

### Minor Tick Stroke Color

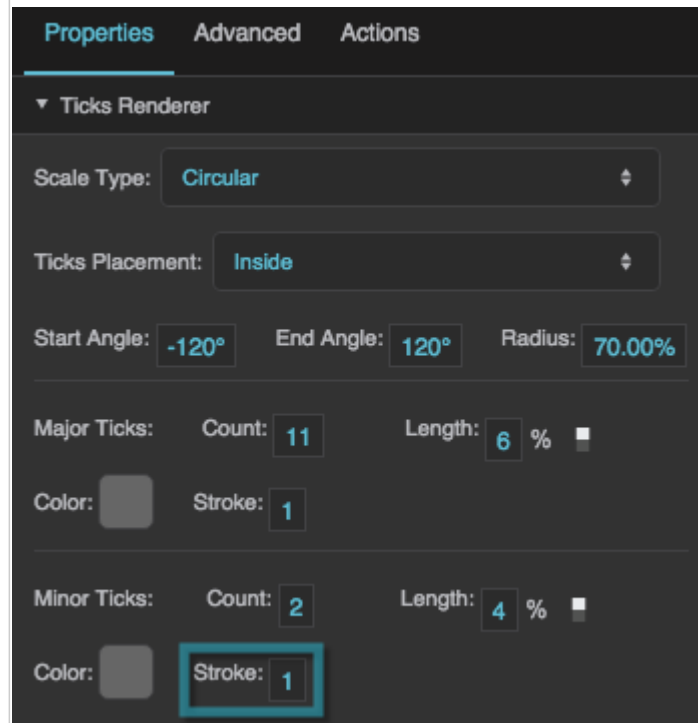
Defines the stroke color of the minor ticks.



The Minor Tick Color property

## Minor Tick Stroke Weight

Defines the stroke weight of each minor tick.



*The Minor Tick Weight property*

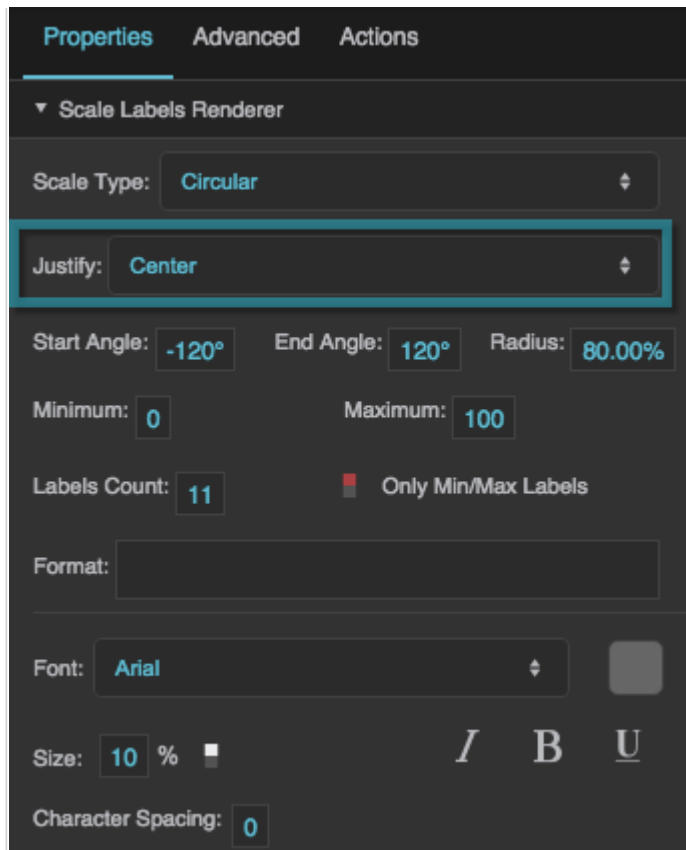
## Scale Labels Renderer Properties

These properties affect a scale with number labels.

### Justify

Specifies whether the labels appear on the inside, outside, or center of the circle or line that defines the scale.





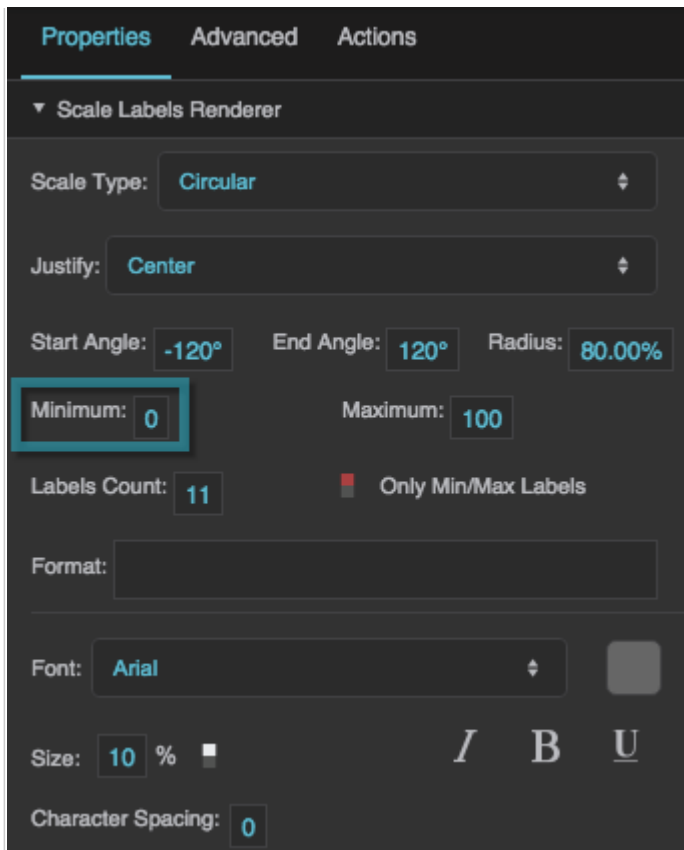
The image shows a dark-themed settings panel for a gauge scale. At the top, there are three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Below the tabs is a dropdown menu labeled 'Scale Labels Renderer'. The main settings are as follows:

- Scale Type: Circular
- Justify: Center (highlighted with a red border)
- Start Angle: -120°
- End Angle: 120°
- Radius: 80.00%
- Minimum: 0
- Maximum: 100
- Labels Count: 11
- Only Min/Max Labels:
- Format: (empty text box)
- Font: Arial
- Size: 10 %
- Character Spacing: 0
- Formatting icons: *I*, **B**, U

*The Justify property*

## Minimum

Defines the lowest number on the scale.



The image shows a dark-themed settings panel for a gauge scale. At the top, there are three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Below the tabs is a dropdown menu labeled 'Scale Labels Renderer'. The main settings area includes: 'Scale Type' set to 'Circular'; 'Justify' set to 'Center'; 'Start Angle' set to '-120°', 'End Angle' set to '120°', and 'Radius' set to '80.00%'. The 'Minimum' value is '0' and the 'Maximum' value is '100'. 'Labels Count' is set to '11', and there is a checkbox for 'Only Min/Max Labels' which is currently unchecked. There is a 'Format' text input field. Below that, 'Font' is set to 'Arial'. 'Size' is set to '10 %' with icons for bold, italic, and underline. 'Character Spacing' is set to '0'.

*The Minimum property*

## Maximum

Defines the highest number on the scale.

Properties Advanced Actions

▼ Scale Labels Renderer

Scale Type: Circular

Justify: Center

Start Angle: -120° End Angle: 120° Radius: 80.00%

Minimum: 0 Maximum: 100

Labels Count: 11  Only Min/Max Labels

Format:

Font: Arial

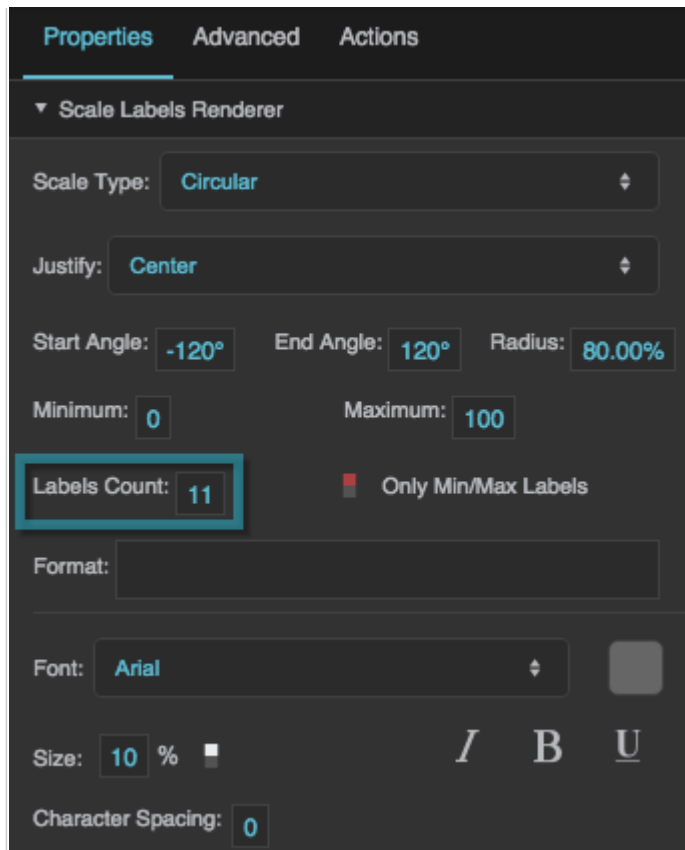
Size: 10 %  *B U*

Character Spacing: 0

*The Maximum property*

### Labels Count

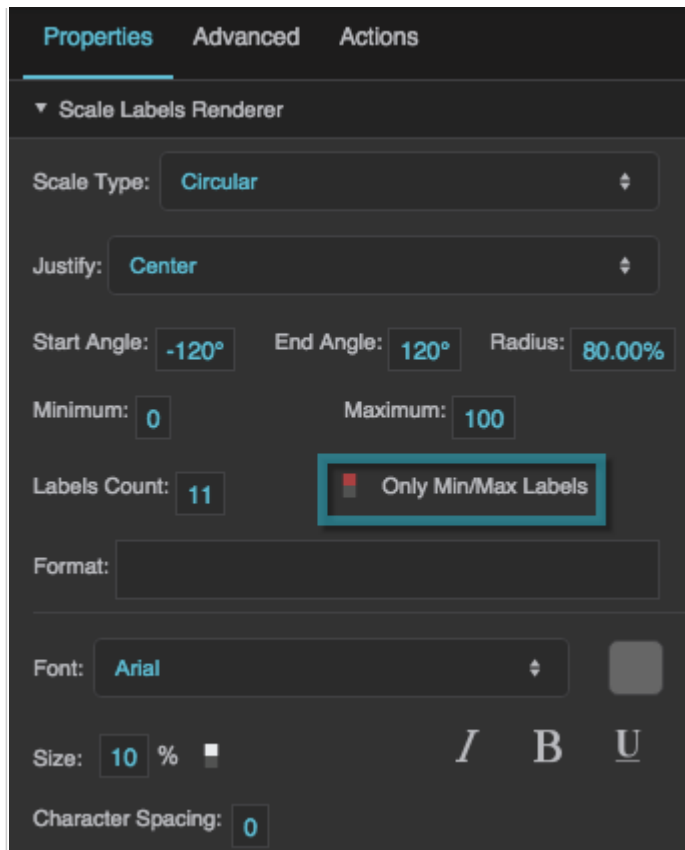
Defines the total number of labels along this scale. Must be an integer greater than or equal to 2. The **Only Min/Max Labels** property overrides this property.



*The Labels Count property*

### Only Min/Max Labels

Specifies whether the labels for the minimum and maximum of the scale are the only two labels that appear. This property overrides the **Labels Count** property.



*The Only Min/Max Labels property*

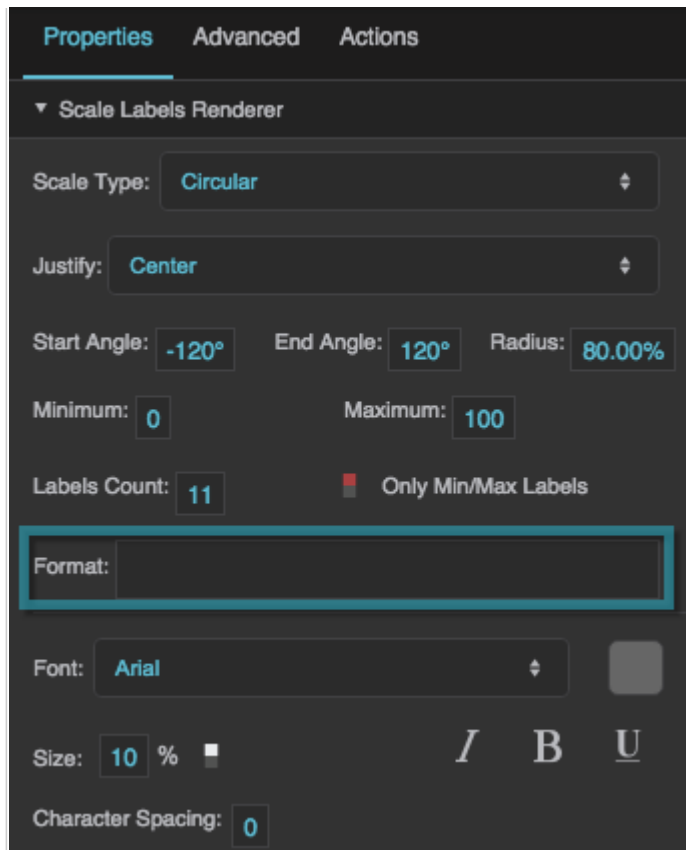
## Format

Defines the number format for scale labels, as a format string.

For example:

- **,##0.00**: Labels have a thousands separator and two decimal digits.
- **000.00**: Labels have three mandatory digits before the decimal, and two mandatory digits after the decimal.

For more information about supported formatting options, see [Scripting and Syntax](#).



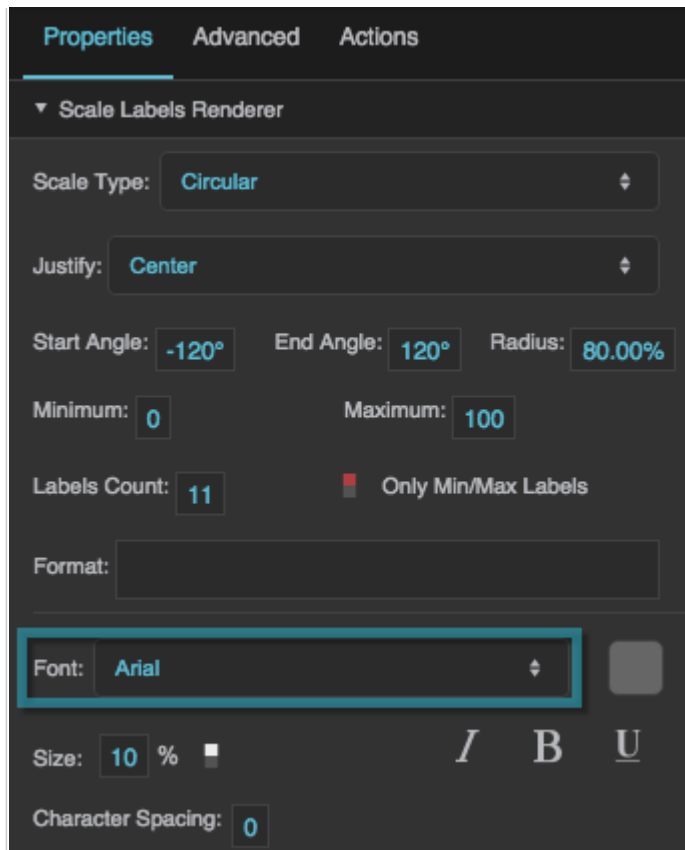
The screenshot shows the 'Properties' tab of a 'Scale Labels Renderer' component. The 'Format' property is highlighted with a red rectangle. Other visible properties include:

- Scale Type: Circular
- Justify: Center
- Start Angle: -120°
- End Angle: 120°
- Radius: 80.00%
- Minimum: 0
- Maximum: 100
- Labels Count: 11
- Only Min/Max Labels:
- Font: Arial
- Size: 10 %
- Character Spacing: 0

*The Format property*

### Labels Font

Defines the font used for the labels along this scale. To add a font to this project and use it for this property, see [Text Component Properties](#).

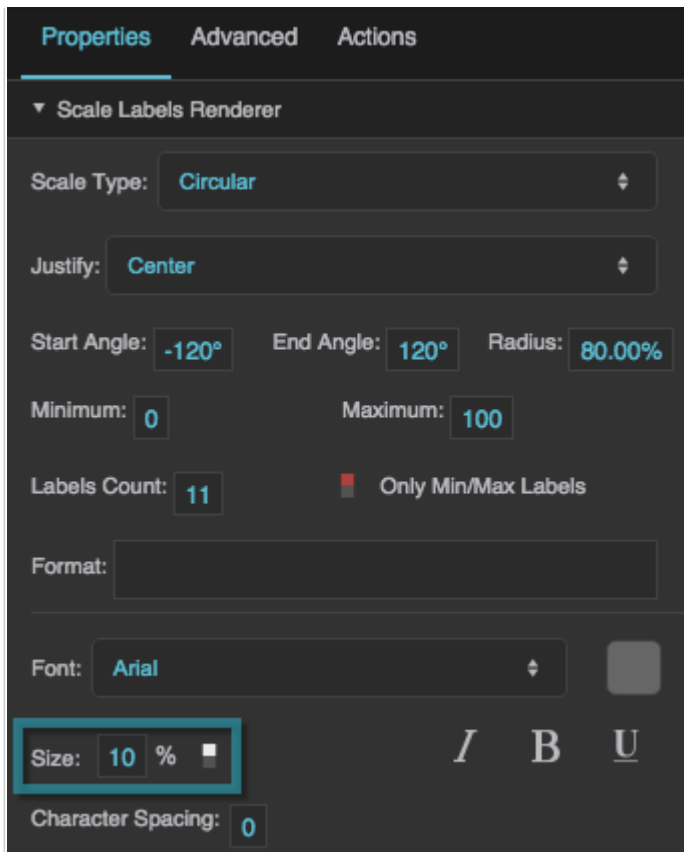


The image shows a dark-themed settings panel for a gauge scale. At the top, there are three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Below the tabs is a dropdown menu labeled 'Scale Labels Renderer'. The main settings area includes: 'Scale Type' set to 'Circular'; 'Justify' set to 'Center'; 'Start Angle' set to '-120°', 'End Angle' set to '120°', and 'Radius' set to '80.00%'; 'Minimum' set to '0' and 'Maximum' set to '100'; 'Labels Count' set to '11' and a checkbox for 'Only Min/Max Labels' which is unchecked; a 'Format' text input field; 'Font' set to 'Arial' (highlighted with a red box); 'Size' set to '10 %' with a small square icon; and 'Character Spacing' set to '0'. At the bottom, there are three icons for font styling: italic (*I*), bold (**B**), and underline (U).

*The Font property*

## Labels Size

Defines the height of the scale numbers, as a pixel value or percentage. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of half the container width.



The image shows a dark-themed software interface for configuring a gauge scale. At the top, there are three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Below the tabs is a dropdown menu labeled 'Scale Labels Renderer'. The main configuration area includes several fields and controls:

- Scale Type:** A dropdown menu set to 'Circular'.
- Justify:** A dropdown menu set to 'Center'.
- Start Angle:** A text input field containing '-120°'.
- End Angle:** A text input field containing '120°'.
- Radius:** A text input field containing '80.00%'.
- Minimum:** A text input field containing '0'.
- Maximum:** A text input field containing '100'.
- Labels Count:** A text input field containing '11'.
- Only Min/Max Labels:** A checkbox that is currently unchecked.
- Format:** An empty text input field.
- Font:** A dropdown menu set to 'Arial'.
- Size:** A text input field containing '10', followed by a percentage sign and a small square icon. This field is highlighted with a red border.
- Character Spacing:** A text input field containing '0'.
- Formatting Icons:** Three icons for Italic (*I*), Bold (**B**), and Underline (U).

*The Labels Size property*

## Italic

Defines whether the labels along this scale are italic.



Properties   Advanced   Actions

▼ Scale Labels Renderer

Scale Type:

Justify:

Start Angle:    End Angle:    Radius:

Minimum:    Maximum:

Labels Count:     Only Min/Max Labels

Format:

Font:

Size:  %     *I*    **B**    U

Character Spacing:

*The Italic property*

## **Bold**

Defines whether the labels along this scale are bold.

Properties Advanced Actions

▼ Scale Labels Renderer

Scale Type: **Circular**

Justify: **Center**

Start Angle: **-120°** End Angle: **120°** Radius: **80.00%**

Minimum: **0** Maximum: **100**

Labels Count: **11**  Only Min/Max Labels

Format:

Font: **Arial**

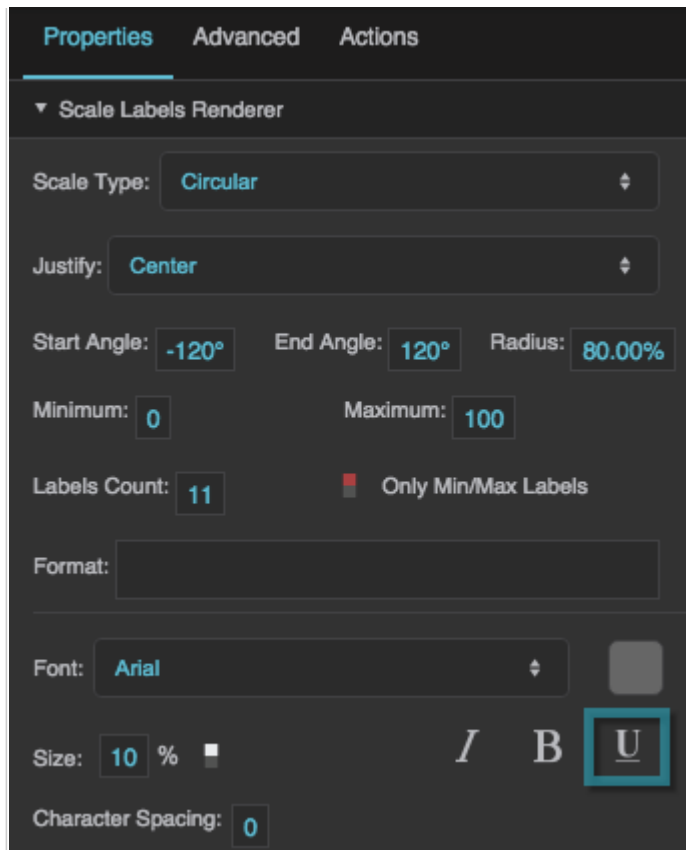
Size: **10** %  *I* **B** U

Character Spacing: **0**

*The Bold property*

## Underline

Defines whether the labels along this scale are underlined.

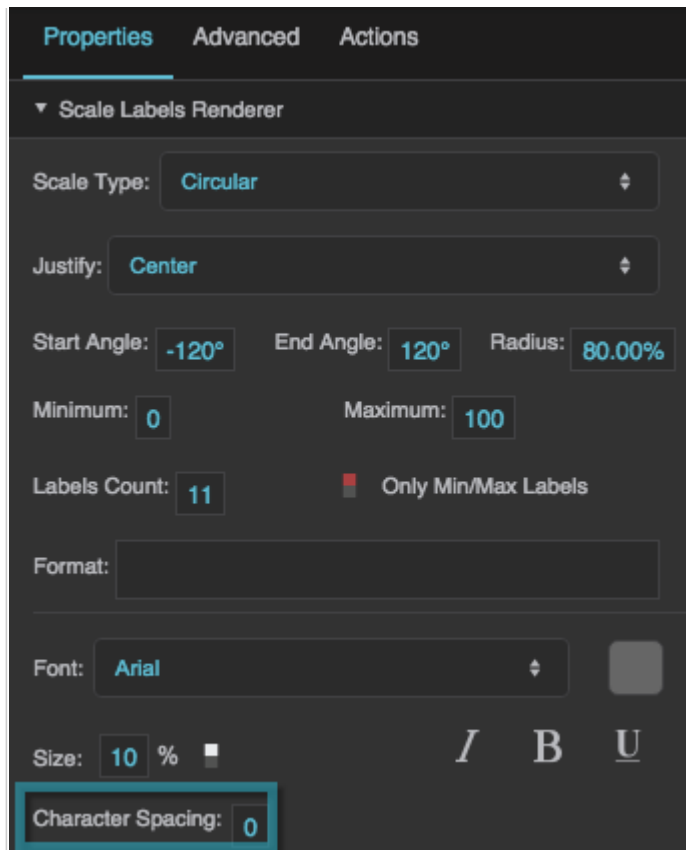


The image shows a dark-themed settings panel for a gauge scale. At the top, there are three tabs: 'Properties' (selected), 'Advanced', and 'Actions'. Below the tabs is a dropdown menu labeled 'Scale Labels Renderer'. The main area contains several controls: 'Scale Type' is a dropdown set to 'Circular'; 'Justify' is a dropdown set to 'Center'; 'Start Angle' is a text input with '-120°', 'End Angle' is a text input with '120°', and 'Radius' is a text input with '80.00%'. Below these are 'Minimum' (0) and 'Maximum' (100) text inputs. There is a 'Labels Count' input set to '11' and a checkbox labeled 'Only Min/Max Labels' which is unchecked. A 'Format' text input is empty. The 'Font' section includes a dropdown set to 'Arial', a color swatch, and a 'Size' input set to '10 %'. To the right of the size input are three icons: an italic 'I', a bold 'B', and an underlined 'U' which is highlighted with a red square. At the bottom, there is a 'Character Spacing' input set to '0'.

*The Underline property*

### Character Spacing

Specifies the horizontal spacing between characters in the scale labels, as a pixel value. A null value means the font's default spacing is used.



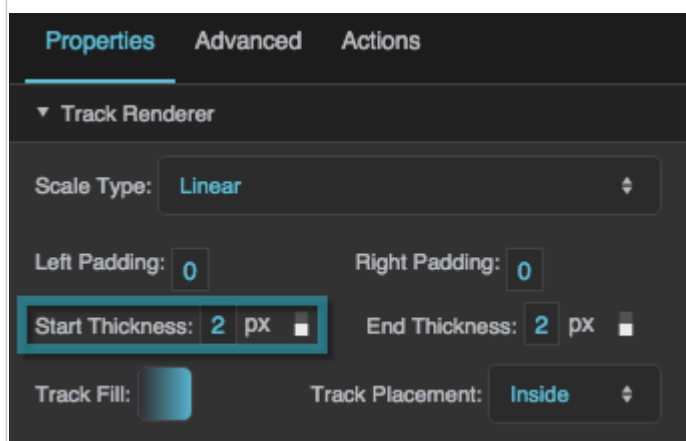
*The Character Spacing property*

## Scale Track Renderer Properties

These properties affect a scale with a track.

### Start Thickness

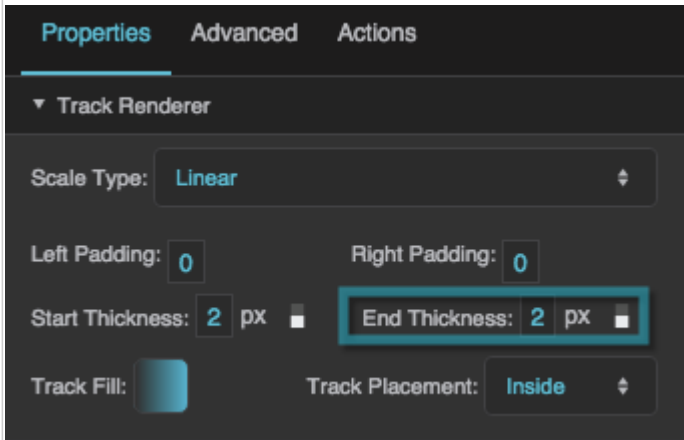
Defines the thickness of the scale track at its start, as a pixel or percentage value. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of the entire container width.



### The Start Thickness property

#### End Thickness

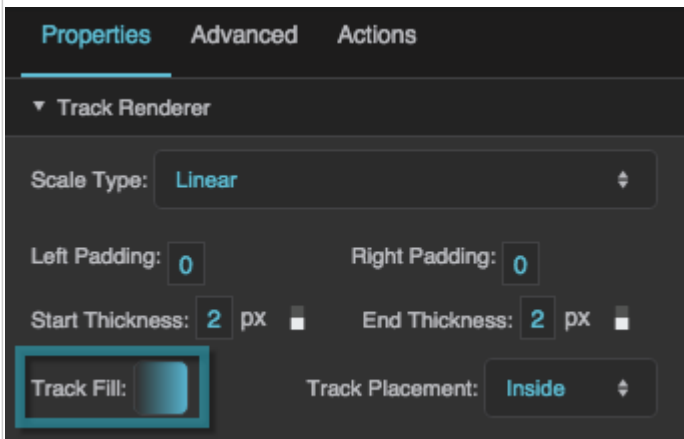
Defines the thickness of the scale track at its end, as a pixel or percentage value. For circular scales, a percentage is a portion of the circle's radius. For linear scales, a percentage is a portion of the entire container width.



### The End Thickness property

#### Track Fill

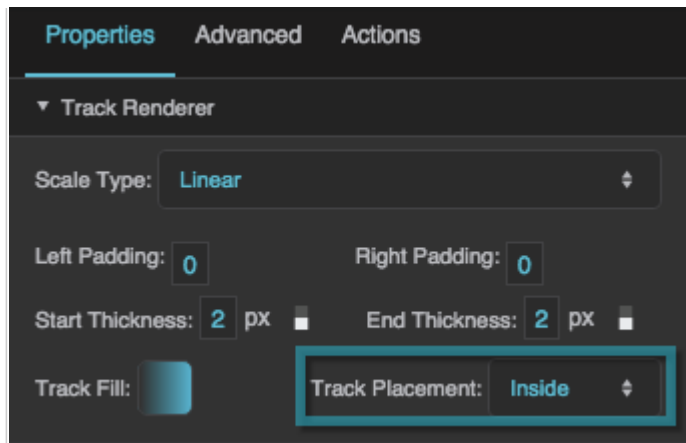
Defines the colors for the gradient fill for the scale track. To add colors, click below the track in the dialog. To delete colors, right-click on them in the dialog.



### The Track Fill property

#### Track Placement

Specifies whether the track is positioned on the inside, outside, or center of the circle or line that defines the scale.



*The Track Placement property*

[Previous: Raw SVG Repeater Properties](#)

[Next: Input Component Properties](#)

From:  
<https://wiki.dglogik.com/> - **DGLogik**

Permanent link:  
[https://wiki.dglogik.com/dglux5\\_wiki:widgets\\_and\\_property\\_inspector:property\\_inspector:gaguescales:home](https://wiki.dglogik.com/dglux5_wiki:widgets_and_property_inspector:property_inspector:gaguescales:home)

Last update: **2021/09/20 15:03**

