 [Chart.js](http://docs.google.com/docs/3.9.1/)

[Home](http://docs.google.com/docs/3.9.1/)

[API](http://docs.google.com/docs/3.9.1/api/)

[Samples](http://docs.google.com/docs/3.9.1/samples/)

Ecosystem Ecosystem

* [Awesome (opens new window)](https://github.com/chartjs/awesome)
* [Slack (opens new window)](https://chartjs-slack.herokuapp.com/)
* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

[Home](http://docs.google.com/docs/3.9.1/)

[API](http://docs.google.com/docs/3.9.1/api/)

[Samples](http://docs.google.com/docs/3.9.1/samples/)

Ecosystem Ecosystem

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* [Slack (opens new window)](https://chartjs-slack.herokuapp.com/)
* [Stack Overflow (opens new window)](https://stackoverflow.com/questions/tagged/chart.js)

[GitHub (opens new window)](https://github.com/chartjs/Chart.js)

* API
  + [Exports](http://docs.google.com/docs/3.9.1/api/)
  + Enumerations
  + Classes
  + Interfaces
    - [ActiveDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveDataPoint.html)
    - [ActiveElement](http://docs.google.com/docs/3.9.1/api/interfaces/ActiveElement.html)
    - [AnimationEvent](http://docs.google.com/docs/3.9.1/api/interfaces/AnimationEvent.html)
    - [ArcBorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/ArcBorderRadius.html)
    - [ArcElement](http://docs.google.com/docs/3.9.1/api/interfaces/ArcElement.html)
    - [ArcHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcHoverOptions.html)
    - [ArcOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ArcOptions.html)
    - [ArcProps](http://docs.google.com/docs/3.9.1/api/interfaces/ArcProps.html)
    - [BarControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerChartOptions.html)
    - [BarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarControllerDatasetOptions.html)
    - [BarElement](http://docs.google.com/docs/3.9.1/api/interfaces/BarElement.html)
    - [BarHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarHoverOptions.html)
    - [BarOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BarOptions.html)
    - [BarProps](http://docs.google.com/docs/3.9.1/api/interfaces/BarProps.html)
    - [BorderRadius](http://docs.google.com/docs/3.9.1/api/interfaces/BorderRadius.html)
    - [BubbleControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleControllerDatasetOptions.html)
    - [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html)
    - [CartesianScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleOptions.html)
    - [CartesianScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/CartesianScaleTypeRegistry.html)
    - [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)
    - [ChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartComponent.html)
    - [ChartConfiguration](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfiguration.html)
    - [ChartConfigurationCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartConfigurationCustomTypesPerDataset.html)
    - [ChartData](http://docs.google.com/docs/3.9.1/api/interfaces/ChartData.html)
    - [ChartDataCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDataCustomTypesPerDataset.html)
    - [ChartDatasetProperties](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetProperties.html)
    - [ChartDatasetPropertiesCustomTypesPerDataset](http://docs.google.com/docs/3.9.1/api/interfaces/ChartDatasetPropertiesCustomTypesPerDataset.html)
    - [ChartEvent](http://docs.google.com/docs/3.9.1/api/interfaces/ChartEvent.html)
    - [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)
    - [CommonElementOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonElementOptions.html)
    - [CommonHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CommonHoverOptions.html)
    - [ComplexFillTarget](http://docs.google.com/docs/3.9.1/api/interfaces/ComplexFillTarget.html)
    - [ControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ControllerDatasetOptions.html)
    - [CoreChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreChartOptions.html)
    - [CoreInteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreInteractionOptions.html)
    - [CoreScaleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/CoreScaleOptions.html)
    - [DatasetControllerChartComponent](http://docs.google.com/docs/3.9.1/api/interfaces/DatasetControllerChartComponent.html)
    - [DateAdapter](http://docs.google.com/docs/3.9.1/api/interfaces/DateAdapter.html)
    - [Defaults](http://docs.google.com/docs/3.9.1/api/interfaces/Defaults.html)
    - [DoughnutAnimationOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutAnimationOptions.html)
    - [DoughnutController](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutController.html)
    - [DoughnutControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerChartOptions.html)
    - [DoughnutControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutControllerDatasetOptions.html)
    - [DoughnutMetaExtensions](http://docs.google.com/docs/3.9.1/api/interfaces/DoughnutMetaExtensions.html)
    - [Element](http://docs.google.com/docs/3.9.1/api/interfaces/Element.html)
    - [ElementOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/ElementOptionsByType.html)
    - [ExtendedPlugin](http://docs.google.com/docs/3.9.1/api/interfaces/ExtendedPlugin.html)
    - [FillerControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerControllerDatasetOptions.html)
    - [FillerOptions](http://docs.google.com/docs/3.9.1/api/interfaces/FillerOptions.html)
    - [FontSpec](http://docs.google.com/docs/3.9.1/api/interfaces/FontSpec.html)
    - [GridLineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/GridLineOptions.html)
    - [InteractionItem](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionItem.html)
    - [InteractionModeMap](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionModeMap.html)
    - [InteractionOptions](http://docs.google.com/docs/3.9.1/api/interfaces/InteractionOptions.html)
    - [LayoutItem](http://docs.google.com/docs/3.9.1/api/interfaces/LayoutItem.html)
    - [LegendElement](http://docs.google.com/docs/3.9.1/api/interfaces/LegendElement.html)
    - [LegendItem](http://docs.google.com/docs/3.9.1/api/interfaces/LegendItem.html)
    - [LegendOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LegendOptions.html)
    - [LineControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerChartOptions.html)
    - [LineControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineControllerDatasetOptions.html)
    - [LineElement](http://docs.google.com/docs/3.9.1/api/interfaces/LineElement.html)
    - [LineHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineHoverOptions.html)
    - [LineOptions](http://docs.google.com/docs/3.9.1/api/interfaces/LineOptions.html)
    - [LineProps](http://docs.google.com/docs/3.9.1/api/interfaces/LineProps.html)
    - [ParsingOptions](http://docs.google.com/docs/3.9.1/api/interfaces/ParsingOptions.html)
    - [Plugin](http://docs.google.com/docs/3.9.1/api/interfaces/Plugin.html)
    - [PluginChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PluginChartOptions.html)
    - [PluginOptionsByType](http://docs.google.com/docs/3.9.1/api/interfaces/PluginOptionsByType.html)
    - [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)
    - [PointElement](http://docs.google.com/docs/3.9.1/api/interfaces/PointElement.html)
    - [PointHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointHoverOptions.html)
    - [PointOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointOptions.html)
    - [PointPrefixedHoverOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedHoverOptions.html)
    - [PointPrefixedOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PointPrefixedOptions.html)
    - [PointProps](http://docs.google.com/docs/3.9.1/api/interfaces/PointProps.html)
    - [PolarAreaController](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaController.html)
    - [PolarAreaControllerChartOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerChartOptions.html)
    - [PolarAreaControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/PolarAreaControllerDatasetOptions.html)
    - [RadarControllerDatasetOptions](http://docs.google.com/docs/3.9.1/api/interfaces/RadarControllerDatasetOptions.html)
    - [RadialLinearScale](http://docs.google.com/docs/3.9.1/api/interfaces/RadialLinearScale.html)
    - [RadialScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/RadialScaleTypeRegistry.html)
    - [Registry](http://docs.google.com/docs/3.9.1/api/interfaces/Registry.html)
    - [ScaleTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ScaleTypeRegistry.html)
    - [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html)
    - [ScriptableCartesianScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableCartesianScaleContext.html)
    - [ScriptableChartContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableChartContext.html)
    - [ScriptableContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableContext.html)
    - [ScriptableLineSegmentContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableLineSegmentContext.html)
    - [ScriptableScaleContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScaleContext.html)
    - [ScriptableScalePointLabelContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableScalePointLabelContext.html)
    - [ScriptableTooltipContext](http://docs.google.com/docs/3.9.1/api/interfaces/ScriptableTooltipContext.html)
    - [Segment](http://docs.google.com/docs/3.9.1/api/interfaces/Segment.html)
    - [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)
    - [TickOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TickOptions.html)
    - [TimeScale](http://docs.google.com/docs/3.9.1/api/interfaces/TimeScale.html)
    - [TitleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TitleOptions.html)
    - [Tooltip](http://docs.google.com/docs/3.9.1/api/interfaces/Tooltip.html)
    - [TooltipCallbacks](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipCallbacks.html)
    - [TooltipItem](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipItem.html)
    - [TooltipLabelStyle](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipLabelStyle.html)
    - [TooltipModel](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipModel.html)
    - [TooltipOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipOptions.html)
    - [TooltipPosition](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPosition.html)
    - [TooltipPositionerMap](http://docs.google.com/docs/3.9.1/api/interfaces/TooltipPositionerMap.html)
    - [TypedRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/TypedRegistry.html)
    - [VisualElement](http://docs.google.com/docs/3.9.1/api/interfaces/VisualElement.html)

[**#**](#gjdgxs) Interface: TimeScale<O>

## [**#**](#30j0zll) Type parameters

| Name | Type |
| --- | --- |
| O | extends [TimeScaleOptions](http://docs.google.com/docs/3.9.1/api/#timescaleoptions) = [TimeScaleOptions](http://docs.google.com/docs/3.9.1/api/#timescaleoptions) |

## [**#**](#1fob9te) Hierarchy

* [Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html)<O>  
  ↳ **TimeScale**

## [**#**](#3znysh7) Properties

### [**#**](#2et92p0) active

• Readonly **active**: boolean

#### [**#**](#tyjcwt) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[active](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#active)

#### [**#**](#3dy6vkm) Defined in

[element.d.ts:7 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L7)

### [**#**](#1t3h5sf) axis

• **axis**: string

#### [**#**](#4d34og8) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[axis](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#axis)

#### [**#**](#2s8eyo1) Defined in

[index.esm.d.ts:1239 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1239)

### [**#**](#17dp8vu) bottom

• **bottom**: number

Bottom edge of the item. Set by layout system and cannot be used in update

#### [**#**](#3rdcrjn) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[bottom](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#bottom)

#### [**#**](#26in1rg) Defined in

[layout.d.ts:41 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L41)

### [**#**](#lnxbz9) chart

• Readonly **chart**: [Chart](http://docs.google.com/docs/3.9.1/api/classes/Chart.html)<keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html), (number | [ScatterDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/ScatterDataPoint.html) | [BubbleDataPoint](http://docs.google.com/docs/3.9.1/api/interfaces/BubbleDataPoint.html))[], unknown>

#### [**#**](#35nkun2) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[chart](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#chart)

#### [**#**](#1ksv4uv) Defined in

[index.esm.d.ts:1229 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1229)

### [**#**](#44sinio) ctx

• Readonly **ctx**: CanvasRenderingContext2D

#### [**#**](#2jxsxqh) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[ctx](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#ctx)

#### [**#**](#z337ya) Defined in

[index.esm.d.ts:1228 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1228)

### [**#**](#3j2qqm3) fullSize

• **fullSize**: boolean

if true, and the item is horizontal, then push vertical boxes down

#### [**#**](#1y810tw) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[fullSize](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#fullsize)

#### [**#**](#4i7ojhp) Defined in

[layout.d.ts:17 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L17)

### [**#**](#2xcytpi) height

• **height**: number

Height of item. Must be valid after update()

#### [**#**](#1ci93xb) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[height](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#height)

#### [**#**](#3whwml4) Defined in

[layout.d.ts:25 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L25)

### [**#**](#2bn6wsx) id

• Readonly **id**: string

#### [**#**](#qsh70q) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[id](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#id)

#### [**#**](#3as4poj) Defined in

[index.esm.d.ts:1226 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1226)

### [**#**](#1pxezwc) labelRotation

• **labelRotation**: number

#### [**#**](#49x2ik5) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[labelRotation](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#labelrotation)

#### [**#**](#2p2csry) Defined in

[index.esm.d.ts:1240 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1240)

### [**#**](#147n2zr) left

• **left**: number

Left edge of the item. Set by layout system and cannot be used in update

#### [**#**](#3o7alnk) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[left](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#left)

#### [**#**](#23ckvvd) Defined in

[layout.d.ts:29 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L29)

### [**#**](#ihv636) max

• **max**: number

#### [**#**](#32hioqz) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[max](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#max)

#### [**#**](#1hmsyys) Defined in

[index.esm.d.ts:1242 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1242)

### [**#**](#41mghml) maxHeight

• **maxHeight**: number

#### [**#**](#2grqrue) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[maxHeight](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#maxheight)

#### [**#**](#vx1227) Defined in

[index.esm.d.ts:1232 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1232)

### [**#**](#3fwokq0) maxWidth

• **maxWidth**: number

#### [**#**](#1v1yuxt) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[maxWidth](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#maxwidth)

#### [**#**](#4f1mdlm) Defined in

[index.esm.d.ts:1231 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1231)

### [**#**](#2u6wntf) min

• **min**: number

#### [**#**](#19c6y18) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[min](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#min)

#### [**#**](#3tbugp1) Defined in

[index.esm.d.ts:1241 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1241)

### [**#**](#28h4qwu) options

• Readonly **options**: O

#### [**#**](#nmf14n) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[options](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#options)

#### [**#**](#37m2jsg) Defined in

[element.d.ts:8 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L8)

### [**#**](#1mrcu09) paddingBottom

• **paddingBottom**: number

#### [**#**](#46r0co2) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[paddingBottom](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#paddingbottom)

#### [**#**](#2lwamvv) Defined in

[index.esm.d.ts:1235 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1235)

### [**#**](#111kx3o) paddingLeft

• **paddingLeft**: number

#### [**#**](#3l18frh) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[paddingLeft](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#paddingleft)

#### [**#**](#206ipza) Defined in

[index.esm.d.ts:1236 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1236)

### [**#**](#4k668n3) paddingRight

• **paddingRight**: number

#### [**#**](#2zbgiuw) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[paddingRight](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#paddingright)

#### [**#**](#1egqt2p) Defined in

[index.esm.d.ts:1237 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1237)

### [**#**](#3ygebqi) paddingTop

• **paddingTop**: number

#### [**#**](#2dlolyb) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[paddingTop](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#paddingtop)

#### [**#**](#sqyw64) Defined in

[index.esm.d.ts:1234 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1234)

### [**#**](#3cqmetx) position

• **position**: [LayoutPosition](http://docs.google.com/docs/3.9.1/api/#layoutposition)

The position of the item in the chart layout. Possible values are

#### [**#**](#1rvwp1q) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[position](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#position)

#### [**#**](#4bvk7pj) Defined in

[layout.d.ts:9 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L9)

### [**#**](#2r0uhxc) right

• **right**: number

Right edge of the item. Set by layout system and cannot be used in update

#### [**#**](#1664s55) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[right](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#right)

#### [**#**](#3q5sasy) Defined in

[layout.d.ts:37 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L37)

### [**#**](#25b2l0r) ticks

• **ticks**: [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[]

#### [**#**](#kgcv8k) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[ticks](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#ticks)

#### [**#**](#34g0dwd) Defined in

[index.esm.d.ts:1243 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1243)

### [**#**](#1jlao46) top

• **top**: number

Top edge of the item. Set by layout system and cannot be used in update

#### [**#**](#43ky6rz) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[top](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#top)

#### [**#**](#2iq8gzs) Defined in

[layout.d.ts:33 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L33)

### [**#**](#xvir7l) type

• Readonly **type**: string

#### [**#**](#3hv69ve) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[type](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#type)

#### [**#**](#1x0gk37) Defined in

[index.esm.d.ts:1227 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1227)

### [**#**](#4h042r0) weight

• **weight**: number

The weight used to sort the item. Higher weights are further away from the chart area

#### [**#**](#2w5ecyt) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[weight](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#weight)

#### [**#**](#1baon6m) Defined in

[layout.d.ts:13 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L13)

### [**#**](#3vac5uf) width

• **width**: number

Width of item. Must be valid after update()

#### [**#**](#2afmg28) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[width](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#width)

#### [**#**](#pkwqa1) Defined in

[layout.d.ts:21 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L21)

### [**#**](#39kk8xu) x

• Readonly **x**: number

#### [**#**](#1opuj5n) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[x](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#x)

#### [**#**](#48pi1tg) Defined in

[element.d.ts:5 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L5)

### [**#**](#2nusc19) y

• Readonly **y**: number

#### [**#**](#1302m92) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[y](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#y)

#### [**#**](#3mzq4wv) Defined in

[element.d.ts:6 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L6)

## [**#**](#2250f4o) Methods

### [**#**](#haapch) afterBuildTicks

▸ **afterBuildTicks**(): void

#### [**#**](#319y80a) Returns

void

#### [**#**](#1gf8i83) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterBuildTicks](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#afterbuildticks)

#### [**#**](#40ew0vw) Defined in

[index.esm.d.ts:1323 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1323)

### [**#**](#2fk6b3p) afterCalculateLabelRotation

▸ **afterCalculateLabelRotation**(): void

#### [**#**](#upglbi) Returns

void

#### [**#**](#3ep43zb) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterCalculateLabelRotation](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#aftercalculatelabelrotation)

#### [**#**](#1tuee74) Defined in

[index.esm.d.ts:1329 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1329)

### [**#**](#4du1wux) afterDataLimits

▸ **afterDataLimits**(): void

#### [**#**](#2szc72q) Returns

void

#### [**#**](#184mhaj) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterDataLimits](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#afterdatalimits)

#### [**#**](#3s49zyc) Defined in

[index.esm.d.ts:1320 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1320)

### [**#**](#279ka65) afterFit

▸ **afterFit**(): void

#### [**#**](#meukdy) Returns

void

#### [**#**](#36ei31r) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterFit](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#afterfit)

#### [**#**](#1ljsd9k) Defined in

[index.esm.d.ts:1332 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1332)

### [**#**](#45jfvxd) afterSetDimensions

▸ **afterSetDimensions**(): void

#### [**#**](#2koq656) Returns

void

#### [**#**](#zu0gcz) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterSetDimensions](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#aftersetdimensions)

#### [**#**](#3jtnz0s) Defined in

[index.esm.d.ts:1317 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1317)

### [**#**](#1yyy98l) afterTickToLabelConversion

▸ **afterTickToLabelConversion**(): void

#### [**#**](#4iylrwe) Returns

void

#### [**#**](#2y3w247) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterTickToLabelConversion](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#afterticktolabelconversion)

#### [**#**](#1d96cc0) Defined in

[index.esm.d.ts:1326 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1326)

### [**#**](#3x8tuzt) afterUpdate

▸ **afterUpdate**(): void

#### [**#**](#2ce457m) Returns

void

#### [**#**](#rjefff) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[afterUpdate](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#afterupdate)

#### [**#**](#3bj1y38) Defined in

[index.esm.d.ts:1314 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1314)

### [**#**](#1qoc8b1) beforeBuildTicks

▸ **beforeBuildTicks**(): void

#### [**#**](#4anzqyu) Returns

void

#### [**#**](#2pta16n) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeBuildTicks](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforebuildticks)

#### [**#**](#14ykbeg) Defined in

[index.esm.d.ts:1321 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1321)

### [**#**](#3oy7u29) beforeCalculateLabelRotation

▸ **beforeCalculateLabelRotation**(): void

#### [**#**](#243i4a2) Returns

void

#### [**#**](#j8sehv) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeCalculateLabelRotation](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforecalculatelabelrotation)

#### [**#**](#338fx5o) Defined in

[index.esm.d.ts:1327 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1327)

### [**#**](#1idq7dh) beforeDataLimits

▸ **beforeDataLimits**(): void

#### [**#**](#42ddq1a) Returns

void

#### [**#**](#2hio093) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeDataLimits](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforedatalimits)

#### [**#**](#wnyagw) Defined in

[index.esm.d.ts:1318 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1318)

### [**#**](#3gnlt4p) beforeFit

▸ **beforeFit**(): void

#### [**#**](#1vsw3ci) Returns

void

#### [**#**](#4fsjm0b) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeFit](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforefit)

#### [**#**](#2uxtw84) Defined in

[index.esm.d.ts:1330 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1330)

### [**#**](#1a346fx) beforeLayout

▸ Optional **beforeLayout**(): void

Called before the layout process starts

#### [**#**](#3u2rp3q) Returns

void

#### [**#**](#2981zbj) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeLayout](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforelayout)

#### [**#**](#odc9jc) Defined in

[layout.d.ts:46 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L46)

### [**#**](#38czs75) beforeSetDimensions

▸ **beforeSetDimensions**(): void

#### [**#**](#1nia2ey) Returns

void

#### [**#**](#47hxl2r) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeSetDimensions](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforesetdimensions)

#### [**#**](#2mn7vak) Defined in

[index.esm.d.ts:1315 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1315)

### [**#**](#11si5id) beforeTickToLabelConversion

▸ **beforeTickToLabelConversion**(): void

#### [**#**](#3ls5o66) Returns

void

#### [**#**](#20xfydz) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeTickToLabelConversion](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforeticktolabelconversion)

#### [**#**](#4kx3h1s) Defined in

[index.esm.d.ts:1324 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1324)

### [**#**](#302dr9l) beforeUpdate

▸ **beforeUpdate**(): void

#### [**#**](#1f7o1he) Returns

void

#### [**#**](#3z7bk57) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[beforeUpdate](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#beforeupdate)

#### [**#**](#2eclud0) Defined in

[index.esm.d.ts:1312 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1312)

### [**#**](#thw4kt) buildTicks

▸ **buildTicks**(): [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[]

#### [**#**](#3dhjn8m) Returns

[Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[]

#### [**#**](#1smtxgf) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[buildTicks](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#buildticks)

#### [**#**](#4cmhg48) Defined in

[index.esm.d.ts:1322 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1322)

### [**#**](#2rrrqc1) calculateLabelRotation

▸ **calculateLabelRotation**(): void

#### [**#**](#16x20ju) Returns

void

#### [**#**](#3qwpj7n) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[calculateLabelRotation](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#calculatelabelrotation)

#### [**#**](#261ztfg) Defined in

[index.esm.d.ts:1328 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1328)

### [**#**](#l7a3n9) configure

▸ **configure**(): void

#### [**#**](#356xmb2) Returns

void

#### [**#**](#1kc7wiv) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[configure](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#configure)

#### [**#**](#44bvf6o) Defined in

[index.esm.d.ts:1313 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1313)

### [**#**](#2jh5peh) determineDataLimits

▸ **determineDataLimits**(): void

#### [**#**](#ymfzma) Returns

void

#### [**#**](#3im3ia3) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[determineDataLimits](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#determinedatalimits)

#### [**#**](#1xrdshw) Defined in

[index.esm.d.ts:1319 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1319)

### [**#**](#4hr1b5p) draw

▸ **draw**(chartArea): void

Draws the element

#### [**#**](#2wwbldi) Parameters

| Name | Type |
| --- | --- |
| chartArea | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html) |

#### [**#**](#1c1lvlb) Returns

void

#### [**#**](#3w19e94) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[draw](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#draw)

#### [**#**](#2b6jogx) Defined in

[layout.d.ts:50 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L50)

### [**#**](#qbtyoq) drawGrid

▸ **drawGrid**(chartArea): void

#### [**#**](#3abhhcj) Parameters

| Name | Type |
| --- | --- |
| chartArea | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html) |

#### [**#**](#1pgrrkc) Returns

void

#### [**#**](#49gfa85) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[drawGrid](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#drawgrid)

#### [**#**](#2olpkfy) Defined in

[index.esm.d.ts:1248 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1248)

### [**#**](#13qzunr) drawLabels

▸ **drawLabels**(chartArea): void

#### [**#**](#3nqndbk) Parameters

| Name | Type |
| --- | --- |
| chartArea | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html) |

#### [**#**](#22vxnjd) Returns

void

#### [**#**](#i17xr6) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[drawLabels](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#drawlabels)

#### [**#**](#320vgez) Defined in

[index.esm.d.ts:1247 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1247)

### [**#**](#1h65qms) drawTitle

▸ **drawTitle**(chartArea): void

#### [**#**](#415t9al) Parameters

| Name | Type |
| --- | --- |
| chartArea | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html) |

#### [**#**](#2gb3jie) Returns

void

#### [**#**](#vgdtq7) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[drawTitle](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#drawtitle)

#### [**#**](#3fg1ce0) Defined in

[index.esm.d.ts:1246 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1246)

### [**#**](#1ulbmlt) fit

▸ **fit**(): void

#### [**#**](#4ekz59m) Returns

void

#### [**#**](#2tq9fhf) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[fit](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#fit)

#### [**#**](#18vjpp8) Defined in

[index.esm.d.ts:1331 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1331)

### [**#**](#3sv78d1) generateTickLabels

▸ **generateTickLabels**(ticks): void

#### [**#**](#280hiku) Parameters

| Name | Type |
| --- | --- |
| ticks | [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[] |

#### [**#**](#n5rssn) Returns

void

#### [**#**](#375fbgg) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[generateTickLabels](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#generateticklabels)

#### [**#**](#1maplo9) Defined in

[index.esm.d.ts:1325 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1325)

### [**#**](#46ad4c2) getBasePixel

▸ **getBasePixel**(): number

Returns the pixel for the minimum chart value The coordinate (0, 0) is at the upper-left corner of the canvas

#### [**#**](#2lfnejv) Returns

number

#### [**#**](#10kxoro) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getBasePixel](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getbasepixel)

#### [**#**](#3kkl7fh) Defined in

[index.esm.d.ts:1304 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1304)

### [**#**](#1zpvhna) getBaseValue

▸ **getBaseValue**(): number

#### [**#**](#4jpj0b3) Returns

number

#### [**#**](#2yutaiw) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getBaseValue](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getbasevalue)

#### [**#**](#1e03kqp) Defined in

[index.esm.d.ts:1298 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1298)

### [**#**](#3xzr3ei) getDataTimestamps

▸ **getDataTimestamps**(): number[]

#### [**#**](#2d51dmb) Returns

number[]

#### [**#**](#sabnu4) Defined in

[index.esm.d.ts:3312 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3312)

### [**#**](#3c9z6hx) getDecimalForPixel

▸ **getDecimalForPixel**(pixel): number

#### [**#**](#1rf9gpq) Parameters

| Name | Type |
| --- | --- |
| pixel | number |

#### [**#**](#4bewzdj) Returns

number

#### [**#**](#2qk79lc) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getDecimalForPixel](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getdecimalforpixel)

#### [**#**](#15phjt5) Defined in

[index.esm.d.ts:1254 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1254)

### [**#**](#3pp52gy) getLabelForValue

▸ **getLabelForValue**(value): string

Used to get the label to display in the tooltip for the given value

#### [**#**](#24ufcor) Parameters

| Name | Type |
| --- | --- |
| value | number |

#### [**#**](#jzpmwk) Returns

string

#### [**#**](#33zd5kd) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getLabelForValue](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getlabelforvalue)

#### [**#**](#1j4nfs6) Defined in

[index.esm.d.ts:1274 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1274)

### [**#**](#434ayfz) getLabelTimestamps

▸ **getLabelTimestamps**(): string[]

#### [**#**](#2i9l8ns) Returns

string[]

#### [**#**](#xevivl) Defined in

[index.esm.d.ts:3313 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3313)

### [**#**](#3hej1je) getLabels

▸ **getLabels**(): string[]

#### [**#**](#1wjtbr7) Returns

string[]

#### [**#**](#4gjguf0) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getLabels](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getlabels)

#### [**#**](#2vor4mt) Defined in

[index.esm.d.ts:1311 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1311)

### [**#**](#1au1eum) getLineWidthForValue

▸ **getLineWidthForValue**(value): number

Returns the grid line width at given value

#### [**#**](#3utoxif) Parameters

| Name | Type |
| --- | --- |
| value | number |

#### [**#**](#29yz7q8) Returns

number

#### [**#**](#p49hy1) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getLineWidthForValue](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getlinewidthforvalue)

#### [**#**](#393x0lu) Defined in

[index.esm.d.ts:1279 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1279)

### [**#**](#1o97atn) getMatchingVisibleMetas

▸ **getMatchingVisibleMetas**(type?): [ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>[]

#### [**#**](#488uthg) Parameters

| Name | Type |
| --- | --- |
| type? | string |

#### [**#**](#2ne53p9) Returns

[ChartMeta](http://docs.google.com/docs/3.9.1/api/#chartmeta)<[Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, [Element](http://docs.google.com/docs/3.9.1/api/#element)<AnyObject, AnyObject>, keyof [ChartTypeRegistry](http://docs.google.com/docs/3.9.1/api/interfaces/ChartTypeRegistry.html)>[]

#### [**#**](#12jfdx2) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getMatchingVisibleMetas](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getmatchingvisiblemetas)

#### [**#**](#3mj2wkv) Defined in

[index.esm.d.ts:1244 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1244)

### [**#**](#21od6so) getMinMax

▸ **getMinMax**(canStack): Object

#### [**#**](#gtnh0h) Parameters

| Name | Type |
| --- | --- |
| canStack | boolean |

#### [**#**](#30tazoa) Returns

Object

| Name | Type |
| --- | --- |
| max | number |
| min | number |

#### [**#**](#1fyl9w3) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getMinMax](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getminmax)

#### [**#**](#3zy8sjw) Defined in

[index.esm.d.ts:1309 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1309)

### [**#**](#2f3j2rp) getPadding

▸ Optional **getPadding**(): [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)

Returns an object with padding on the edges

#### [**#**](#u8tczi) Returns

[ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html)

#### [**#**](#3e8gvnb) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getPadding](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getpadding)

#### [**#**](#1tdr5v4) Defined in

[layout.d.ts:54 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L54)

### [**#**](#4ddeoix) getPixelForDecimal

▸ **getPixelForDecimal**(decimal): number

Utility for getting the pixel location of a percentage of scale The coordinate (0, 0) is at the upper-left corner of the canvas

#### [**#**](#2sioyqq) Parameters

| Name | Type |
| --- | --- |
| decimal | number |

#### [**#**](#17nz8yj) Returns

number

#### [**#**](#3rnmrmc) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getPixelForDecimal](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getpixelfordecimal)

#### [**#**](#26sx1u5) Defined in

[index.esm.d.ts:1261 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1261)

### [**#**](#ly7c1y) getPixelForTick

▸ **getPixelForTick**(index): number

Returns the location of the tick at the given index The coordinate (0, 0) is at the upper-left corner of the canvas

#### [**#**](#35xuupr) Parameters

| Name | Type |
| --- | --- |
| index | number |

#### [**#**](#1l354xk) Returns

number

#### [**#**](#452snld) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getPixelForTick](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getpixelfortick)

#### [**#**](#2k82xt6) Defined in

[index.esm.d.ts:1268 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1268)

### [**#**](#zdd80z) getPixelForValue

▸ **getPixelForValue**(value, index?): number

Returns the location of the given data point. Value can either be an index or a numerical value The coordinate (0, 0) is at the upper-left corner of the canvas

#### [**#**](#3jd0qos) Parameters

| Name | Type |
| --- | --- |
| value | number |
| index? | number |

#### [**#**](#1yib0wl) Returns

number

#### [**#**](#4ihyjke) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getPixelForValue](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getpixelforvalue)

#### [**#**](#2xn8ts7) Defined in

[index.esm.d.ts:1288 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1288)

### [**#**](#1csj400) getProps

▸ **getProps**<P>(props, final?): Pick<unknown, P[number]>

#### [**#**](#3ws6mnt) Type parameters

| Name | Type |
| --- | --- |
| P | extends never[] |

#### [**#**](#2bxgwvm) Parameters

| Name | Type |
| --- | --- |
| props | P |
| final? | boolean |

#### [**#**](#r2r73f) Returns

Pick<unknown, P[number]>

#### [**#**](#3b2epr8) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getProps](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getprops)

#### [**#**](#1q7ozz1) Defined in

[element.d.ts:12 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L12)

### [**#**](#4a7cimu) getTicks

▸ **getTicks**(): [Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[]

#### [**#**](#2pcmsun) Returns

[Tick](http://docs.google.com/docs/3.9.1/api/interfaces/Tick.html)[]

#### [**#**](#14hx32g) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getTicks](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getticks)

#### [**#**](#3ohklq9) Defined in

[index.esm.d.ts:1310 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1310)

### [**#**](#23muvy2) getUserBounds

▸ **getUserBounds**(): Object

#### [**#**](#is565v) Returns

Object

| Name | Type |
| --- | --- |
| max | number |
| maxDefined | boolean |
| min | number |
| minDefined | boolean |

#### [**#**](#32rsoto) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getUserBounds](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getuserbounds)

#### [**#**](#1hx2z1h) Defined in

[index.esm.d.ts:1308 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1308)

### [**#**](#41wqhpa) getValueForPixel

▸ **getValueForPixel**(pixel): number

Used to get the data value from a given pixel. This is the inverse of getPixelForValue The coordinate (0, 0) is at the upper-left corner of the canvas

#### [**#**](#2h20rx3) Parameters

| Name | Type |
| --- | --- |
| pixel | number |

#### [**#**](#w7b24w) Returns

number

#### [**#**](#3g6yksp) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[getValueForPixel](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#getvalueforpixel)

#### [**#**](#1vc8v0i) Defined in

[index.esm.d.ts:1296 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1296)

### [**#**](#4fbwdob) hasValue

▸ **hasValue**(): boolean

#### [**#**](#2uh6nw4) Returns

boolean

#### [**#**](#19mgy3x) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[hasValue](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#hasvalue)

#### [**#**](#3tm4grq) Defined in

[element.d.ts:11 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L11)

### [**#**](#28reqzj) init

▸ **init**(options): void

#### [**#**](#nwp17c) Parameters

| Name | Type |
| --- | --- |
| options | O |

#### [**#**](#37wcjv5) Returns

void

#### [**#**](#1n1mu2y) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[init](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#init)

#### [**#**](#471acqr) Defined in

[index.esm.d.ts:1306 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1306)

### [**#**](#2m6kmyk) isFullSize

▸ **isFullSize**(): boolean

#### [**#**](#11bux6d) Returns

boolean

#### [**#**](#3lbifu6) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[isFullSize](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#isfullsize)

#### [**#**](#20gsq1z) Defined in

[index.esm.d.ts:1334 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1334)

### [**#**](#4kgg8ps) isHorizontal

▸ **isHorizontal**(): boolean

returns true if the layout item is horizontal (ie. top or bottom)

#### [**#**](#2zlqixl) Returns

boolean

#### [**#**](#1er0t5e) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[isHorizontal](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#ishorizontal)

#### [**#**](#3yqobt7) Defined in

[layout.d.ts:58 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L58)

### [**#**](#2dvym10) normalize

▸ **normalize**(values): number[]

#### [**#**](#t18w8t) Parameters

| Name | Type |
| --- | --- |
| values | number[] |

#### [**#**](#3d0wewm) Returns

number[]

#### [**#**](#1s66p4f) Defined in

[index.esm.d.ts:3314 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L3314)

### [**#**](#4c5u7s8) parse

▸ **parse**(raw, index): unknown

#### [**#**](#2rb4i01) Parameters

| Name | Type |
| --- | --- |
| raw | unknown |
| index | number |

#### [**#**](#16ges7u) Returns

unknown

#### [**#**](#3qg2avn) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[parse](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#parse)

#### [**#**](#25lcl3g) Defined in

[index.esm.d.ts:1307 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1307)

### [**#**](#kqmvb9) setDimensions

▸ **setDimensions**(): void

#### [**#**](#34qadz2) Returns

void

#### [**#**](#1jvko6v) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[setDimensions](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#setdimensions)

#### [**#**](#43v86uo) Defined in

[index.esm.d.ts:1316 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/index.esm.d.ts#L1316)

### [**#**](#2j0ih2h) tooltipPosition

▸ **tooltipPosition**(useFinalPosition?): [Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)

#### [**#**](#y5sraa) Parameters

| Name | Type |
| --- | --- |
| useFinalPosition? | boolean |

#### [**#**](#3i5g9y3) Returns

[Point](http://docs.google.com/docs/3.9.1/api/interfaces/Point.html)

#### [**#**](#1xaqk5w) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[tooltipPosition](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#tooltipposition)

#### [**#**](#4hae2tp) Defined in

[element.d.ts:10 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/element.d.ts#L10)

### [**#**](#2wfod1i) update

▸ **update**(width, height, margins?): void

Takes two parameters: width and height.

#### [**#**](#1bkyn9b) Parameters

| Name | Type |
| --- | --- |
| width | number |
| height | number |
| margins? | [ChartArea](http://docs.google.com/docs/3.9.1/api/interfaces/ChartArea.html) |

#### [**#**](#3vkm5x4) Returns

void

#### [**#**](#2apwg4x) Inherited from

[Scale](http://docs.google.com/docs/3.9.1/api/classes/Scale.html).[update](http://docs.google.com/docs/3.9.1/api/classes/Scale.html#update)

#### [**#**](#pv6qcq) Defined in

[layout.d.ts:64 (opens new window)](https://github.com/chartjs/Chart.js/blob/5ea4b3a/types/layout.d.ts#L64)

←  [TickOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TickOptions.html)   [TitleOptions](http://docs.google.com/docs/3.9.1/api/interfaces/TitleOptions.html)  →