# References Release

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#### **Dimension**

#### 1.1 References

```
• rinoh.dimension.PERCENT, PERCENT
```

```
• rinoh.dimension.Dimension.grow(),Dimension.grow()
```

#### 1.2 Automodule

Classes for expressing dimensions: lengths, widths, line thickness, etc.

Each dimension is expressed in terms of a unit. Several common units are are defined here as constants. To create a new dimension, multiply number with a unit:

```
height = 100*PT
width = 50*PERCENT
```

Fractional dimensions are evaluated within the context they are defined in. For example, the width of a Flowable is evaluated with respect to the total width available to it.

```
rinoh.dimension.CM = DimensionUnit(28.346456692913385, 'cm')
    centimeter
class rinoh.dimension.Dimension ( value=0, unit=None )
    A simple dimension
    Parameters
                  • value (int or float) - the magnitude of the dimension
                  • unit (DimensionUnit) – the unit this dimension is expressed in. Default: PT.
    grow ( value )
        Grow this dimension (in-place)
        The value is interpreted as a magnitude expressed in the same unit as this dimension.
        Parameters value (int or float) - the amount to add to the magnitude of this dimension
        Returns
                   this (growed) dimension itself
        Return type Dimension
rinoh.dimension.INCH = DimensionUnit(72.0, 'in')
    imperial/US inch
```

```
rinoh.dimension.MM = DimensionUnit(2.8346456692913384, 'mm')
    millimeter

rinoh.dimension.PERCENT = FractionUnit(100, '%')
    fraction of 100

rinoh.dimension.PICA = DimensionUnit(12.0, 'pc')
    computer pica

rinoh.dimension.PT = DimensionUnit(1.0, 'pt')
    PostScript points

rinoh.dimension.QUARTERS = FractionUnit(4, '/4')
    fraction of 4
```

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