Dimensions in AutoCAD

Dimensioning in AutoCAD is automatic; lines, arrows and text are all taken care of by the dimension commands. AutoCAD dimensions are special blocks which can easily be edited or erased as necessary.

Dimensioning in AutoCAD

Before setting dimension style, format Text Style
Dimensioning in AutoCAD

To set the dimension variables, open the Dimension Style option...
Dimensioning in AutoCAD

[Image of AutoCAD Dimensioning Style Manager]

Dimensioning in AutoCAD

[Image of AutoCAD Modify Dimension Style dialog box]

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Dimensioning in AutoCAD
Dimensioning in AutoCAD

Dimentioning in AutoCAD
Dimensioning in AutoCAD

To give dimensions, one needs Dimensioning toolbar.
Dimensioning in AutoCAD

- Linear
  - Horizontal / vertical
- Aligned
- Radial
- Angular
- Leader
- Continuous
- Parallel
- Baseline
- Diameter
- Position
- Dim text
- Edit
- Dimension style dialog box

Special Characters

- Diameter
  \[ %%C \quad \Ø \]
  i.e. \[ %%C \ 50 \quad \Ø \ 50 \]
- Degree
  \[ %%D \quad ° \]
  i.e. \[ 50 \ %%%D \quad 50 \ ° \]
- Plus/minus
  \[ %%P \quad ± \]
  i.e. \[ 50 \ %%%P \ 2 \quad 50 \ ± \ 2 \]
Dimensions in AutoCAD

The Linear Dimension Command
- **Toolbar**: `DIMLINEAR`
- **Pull-down**: Dimension/Linear
- **Keyboard**: DIMLINEAR

The Continue Dimension Command
- **Toolbar**: `DIMCONTINUE`
- **Pull-down**: Dimension/Continue
- **Keyboard**: DIMCONTINUE

The Baseline Dimension Command
- **Toolbar**: `DIMBASELINE`
- **Pull-down**: Dimension/Baseline
- **Keyboard**: DIMBASELINE

Dimensions in AutoCAD

The Aligned Dimension Command
- **Toolbar**: `DIMLINEAR`
- **Pull-down**: Dimension/Aligned
- **Keyboard**: DIMALIGNED

The Diameter Dimension Command
- **Toolbar**: `DIMDIAMETER`
- **Pull-down**: Dimension/Diameter
- **Keyboard**: DIMDIAMETER

The Radius Dimension Command
- **Toolbar**: `DIMRADIUS`
- **Pull-down**: Dimension/Radius
- **Keyboard**: DIMRADIUS
Dimensions in AutoCAD

The Angular Dimension Command

- Toolbar: 
- Pull-down: Dimension/Angular
- Keyboard: DIMANGULAR

The Leader Command

- Toolbar: 
- Pull-down: Dimension/Leader
- Keyboard: LEADER

The Dimension Text Edit Command

- Toolbar: 
- Pull-down: Dimension/Align Text/Properties
- Keyboard: DIMEDIT
Example

1st Select icon

2nd Select point

+ 4th point here

3rd Select point