

AutoCAD 2006: One Step at a Time

Appendix – E: Dimension Variables

DIMENSION VARIABLE	DEFAULT SETTING	EXPLANATION
DIMADEC	-1	Angular decimal places (set from 0-8); a setting of –1 tells AutoCAD to use the DIMDEC setting
DIMALT	Off	Use of alternate units
DIMALTD	2	Decimal places in alternate units
DIMALTF	25.4	Scale factor in alternate units
DIMALTTD	2	Decimal places in tolerances of alternate units
DIMALTTZ	0	Suppression of zeros in alternate units (0 or 1)
DIMALTU	2	Units format for alternate units (except angular)
DIMALTZ	0	Suppression of zeros in tolerance values
DIMAPOST	""	Identifies a text suffix / prefix to be used with alternate dim
DIMASO	on	Associative dimensioning (on or off)
DIMASZ	0.18	Arrowhead size
DIMAUNIT	0	Format for angular dimensions
DIMBLK	""	Specify a block to place on the dimension line rather than an arrowhead
DIMBLK1 DIMBLK2	"" ""	Specifies blocks for both ends of the dimension line (if the DIMSAH variable is on)
DIMCEN	0.09	Controls what, if any, center marks are placed in circles and arcs (Centerlines are drawn if the number is less than 0; Center marks are drawn if the number is above 0; no center marks/lines are drawn if value equals 0)
DIMCLRDR	0	Color for dimension lines, arrowheads, and leaders
DIMCLRE	0	Color for extension lines
DIMCLRT	0	Color for dimension text
DIMDEC	4	Primary units decimal places
DIMDLE	0.0	Extension of dimension line beyond extension line
DIMDLI	0.38	Spacing of baseline dimension lines
DIMEXE	0.18	Extension of extension line beyond dimension line
DIMEXO	0.0625	Distance from origin to beginning of extension line
DIMFIT	3	This controls whether or not a dimension line will be placed between the extension lines if there is enough space. Settings are: 0 – arrows and text; 1 – just text; 2 – just arrows; 3 – best fit (puts text and arrows between the extension lines as space is available); 4 – leader (when no space is available for the text, it is placed aside and connected to the dimension line with a leader line); 5 – no leader (same as 4 but will not use a leader line).
DIMGAP	0.09	Space around the text when it is placed inside the dimension line or between bottom of text and dimension line when text is placed above the line
DIMJUST	0	Horizontal position of dimension text. Possible settings include: 0 – centered between extension lines; 1 – next to the first extension line; 2 – next to the second extension line; 3 –

DIMENSION VARIABLE	DEFAULT SETTING	EXPLANATION
		next to and aligned with the first extension line; 4 – next to and aligned with the second extension line
DIMLFAC	1.0	Global scale factor for dimensioning
DIMLIM	off	Places dimension limits as default dimension text
DIMPOST	“”	Identifies a text prefix or suffix for the dimension text
DIMRND	0.00	Rounds the dimension distances to this value
DIMSAH	off	Determines whether or not blocks will be used instead of arrowheads
DIMSCALE	1.0	Sets an overall scale factor for all dimension variables requiring size settings
DIMSD1 DIMSD2	off off	Suppression of the first and second dimension line
DIMSE1 DIMSE2	off off	Suppression of the first and second extension line
DIMSHO	on	This actually controls whether or not the dimension will be redefined as the dimension is dragged
DIMSOXD	off	Controls whether or not dimension lines will be drawn outside the extension lines
DIMSTYLE	“Standard”	Current dimension style
DIMTAD	0	Vertical position of text. Possible settings are: 0 – centered inside the dimension line; 1 – place text above the dimension line; 2 – on the side of the dimension line farthest from the defining point; 3 – Japanese standard
DIMTDEC	4	Decimal places in tolerance value
DIMTFAC	1.0	Scale factor the text height of tolerance values
DIMTIH	on	Whether (on) or not (off) text inside the dimension lines will be horizontal
DIMTIX	off	Force text between the extension lines
DIMTM	0.0	Sets the minimum tolerance limits when either DIMLIM or DIMITOL is on
DIMTOFL	off	Force a dimension line between extension lines
DIMTOH	on	Position of text outside dimension lines (on forces horizontal text)
DIMITOL	off	Add tolerances to dimension text
DIMITOLJ	1	Vertical justification of tolerance values (0 – bottom; 1 – middle; 2 – top)
DIMTP	0.0	Upper tolerance limit
DIMTSZ	0.0	Size of ticks used instead of arrowheads
DIMTVP	0.0	Vertical position of text above / below dimension line
DIMTXSTY	“Standard”	Text style used for the dimension text
DIMTXT	0.18	Height of dimension text

DIMENSION VARIABLE	DEFAULT SETTING	EXPLANATION
DIMITZIN	0	Suppression of zeros in tolerance values. Possible values: 0 – suppresses zero feet and zero inches; 1 – includes zero feet and inches; 2 – includes zero feet but suppresses zero inches; 3 – includes zero inches but suppresses zero feet; 4 – suppresses leading zeros in decimals; 8 – suppresses trailing zeros in decimals; 12 – suppresses both leading and trailing zeros in decimals.
DIMUNIT	2	Dimension units for everything but angular dimensions. Possible settings are: 1 – Scientific; 2- Decimal; 3 – Engineering; 4 – Architectural (stacked); 5 – Fractional (stacked); 6 – Architectural; 7 – Fractional; 8 – windows settings
DIMUPT	off	If on , the cursor controls placement of both dimension and text; if off , the cursor controls placement only of the dimension
DIMZIN	0	Suppression of zeros in the primary units. . Possible values: 0 – suppresses zero feet and zero inches; 1 – includes zero feet and inches; 2 – includes zero feet but suppresses zero inches; 3 – includes zero inches but suppresses zero feet; 4 – suppresses leading zeros in decimals; 8 – suppresses trailing zeros in decimals; 12 – suppresses both leading and trailing zeros in decimals.