



Andhra Pradesh State Skill Development Corporation



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AutoCAD(CIVIL)

Express Tools Part-1



DETAILS OF THE DRAWING EXPRESS TOOLS PART-1

EXPRESS TOOLS

AutoCAD Express Tools is a collection of productivity tools that extend the power of AutoCAD. These tools are provided as a courtesy to you but are unsupported. Autodesk does not assume any responsibility for their successful operation.

You can also access Express Tools using corresponding commands.

ARC ALIGNED TEXT

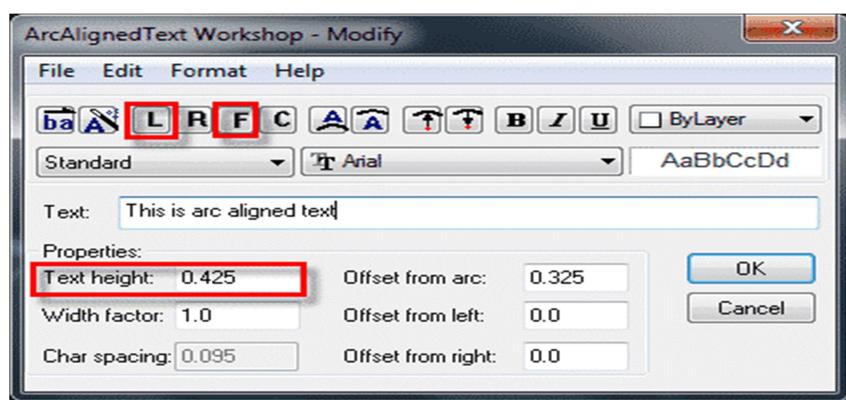
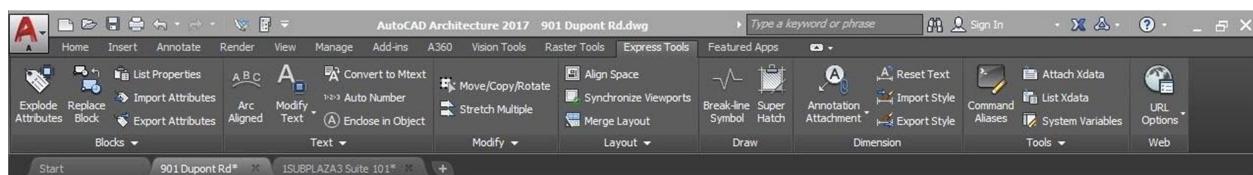
With the ARCTEXT express tool you can write curve text in AutoCAD which is aligned to an arc. This tool can't be used to write curve text along the spline, polyline or circle but there is a workaround that can be used to make a text curved along the circle.

WRITING TEXT ON ARC

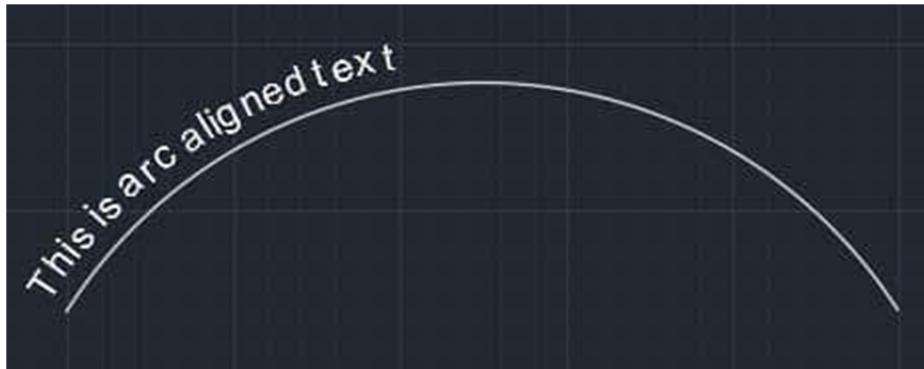
To write curve text along arc type ARCTEXT on the command line and press enter. Click on the arc on which you want to make your aligned text, if the arc is a part of Polyline then explode the Polyline and then select the arc.

A new ArcAlignedText Workshop window will pop up. Enter the text which you want to align to the arc in the text field; I am using “this is arc aligned text” as the sample text.

Set text height to appropriate size depending upon the scale of your drawing from properties panel and click on the button on the top to align it towards the left side of the arc. Set the height of text as per your requirement using the Text height field. See image below for reference.



Now click OK to apply changes and exit this window, your arc aligned text will look like the one shown in the image below.



You can also align this text in such a way that it covers complete space on the arc. For that type ARCTEXT on the command line again press enter and click on the text which you created in the previous step. The ArcAlignedText Workshop window will pop up again providing you an opportunity to modify this aligned text.

Click on F (fit along the arc) from buttons on top of this window and click OK to exit it. Your text will now appear like this.



MODIFY TEXT IN EXPRESS TOOLS

1. Explode
2. Change Case
3. Rotate
4. Fit
5. Justify

EXPLODE TEXT

NOTE: AutoCAD includes an EXPLODE command that you can use to convert an mtext object to single-line text objects. The EXPLODE command does not produce the same result as the TXTEXP command. You can use the EXPLODE command to convert arc-aligned text to individual text objects.

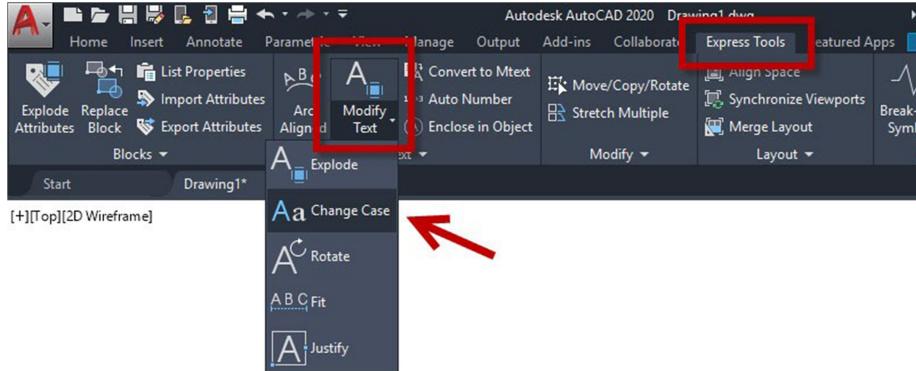
The TXTEXP command allows you to change an mtext or text object into a series of individual polyline objects. The need to explode text is rare. Exploding text is only appropriate if no other command or option can produce the desired effect. Examples of exploded text include constructing a special symbol from text geometry and similar graphic design applications. Access the TXTEXP command, pick the text to explode, and then press [Enter] to cause the explosion.
Express Tools > Text > Modify Text Explode Text



CHANGE CASE TEXT

The TCASE command is similar to the Change Case option in the shortcut menu of the multiline and single-line text editors. However, you can use the TCASE command to change the case of mtext, text, attributes, and dimension text, all at the same time. The TCASE command also provides additional case options. Access the TCASE command; pick the text to change, and press [Enter] to display the TCASE – change text case dialog box

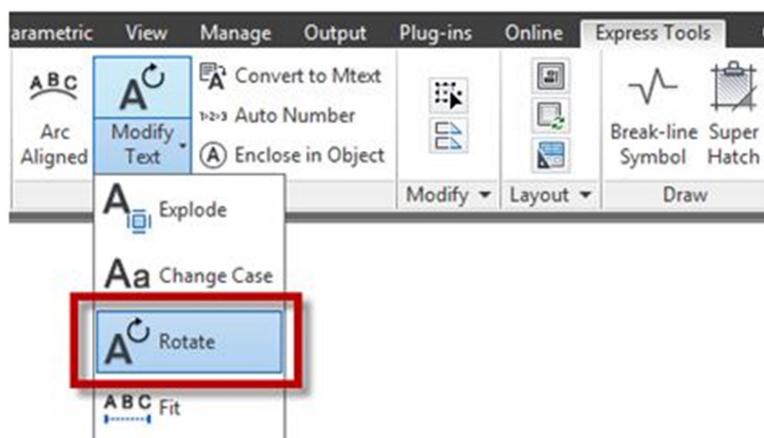
Express Tools > Text > Modify Text Change Text Case.



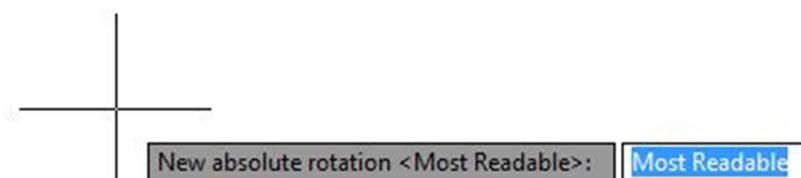
ROTATE TEXT

This is an express tool, so if you must have express tools installed. If you use AutoCAD LT, unfortunately this tool is not available for you.

You can access this tool on the express tool tab> text panel. Click the small arrow below to modify text. Click the rotate button.



- After you activate the tool, you can select all texts you want to rotate. Press enter after you finish with the selection.
- Now you have the most readable as default option. Just press [enter] if you want this option.





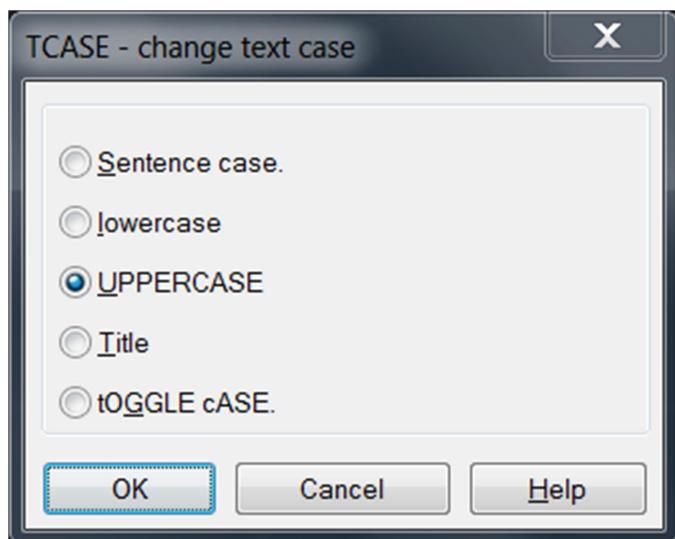
- Or if you want to define text orientation angle, you can type the angle then press [enter]. Of course, you can click points to define the angle too.

TEXT FIT

Using the TEXTFIT command is similar to changing the justification of single-line text with the Fit option and picking a start point and endpoint of the line of text. AutoCAD adjusts the character width to fit between the specified points, while keeping text height constant. Access the TEXTFIT command and select the text object to fit. Then use the default justification point as the start point, or activate the Start point option and pick a new start point. Select a new endpoint to complete the fit operation and exit the TEXTFIT command.

You can only use the TEXTFIT command with single-line text objects.

Express Tools > Text > Modify Text > Text Fit



JUSTIFY TEXT

The default functionality of changing the justification of text through the Properties Palette or by changing the properties in the “Edit Text” contextual ribbon will in fact change the justification. But it will also re-position the text based on the new justification point. This might be okay for some instances but if you need to retain the position and change the justification, there is an Express Tool just for this purpose.

The TJUST tool is located in the Express Tools.

Express Tools tab > Text panel > TJUST tool.

