

Limits Tab

Settings

Application
Machine
Project
Limits
GPS
Advanced
Dozer

Blade Shift Increment
(How far to shift the blade per button click) m

Static Blade Limit
Will statically limit the cut or fill to be a set distance away from the design. Use this if you want work layer by layer. You set the limits on the implementation screen (not here).

Total cut/fill limit type None Ignore cuts

Dynamic Blade Limit
This ensures that you do not cut or fill more than the set amount using the 'as-applied surface'. If you set a cut limit, each individual pass will not try to cut to the full design depth, but rather will only take the amount set by the limit.

Enable cut limit

Max Cut 0.000 m

Enable fill limit

Max Fill 0.000 m

You need to enable 'As Applied' (machine tab) to use the blade limit

Blade Shift Increment -Used to

set the height adjustment value of the up/down elevation adjustments buttons in the implementation wizard step.

NOTE - recommended distance for the blade shift increment would be 0.03 - 0.06 feet (0.4 - 0.8 inches, or 0.01m - 0.02m).

Static Blade Limit - This feature allows you to temporarily alter your target design heights by a certain amount. For instance, by setting the Static Blade Limit to 50% you will effectively be setting your target cut and fill heights to be 50% of what the actual design calls for. This setting can also be used to overfill a design by a percentage to allow for soil to “sink “ by a

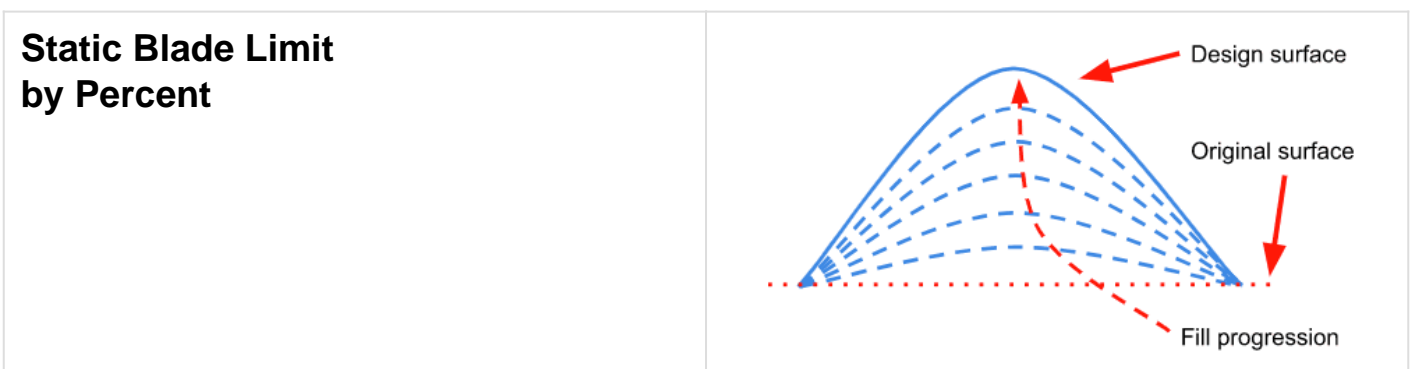
percentage over time. Having a setting of 110% will fill a 100mm fill to 110mm to allow for future compaction.

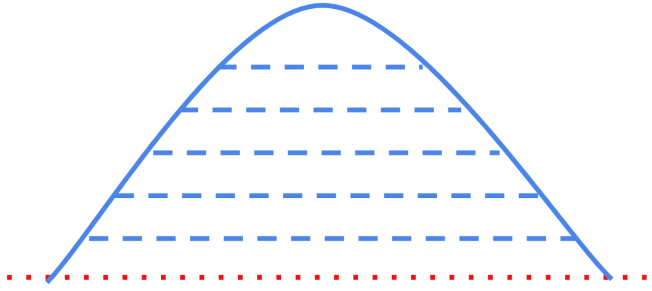
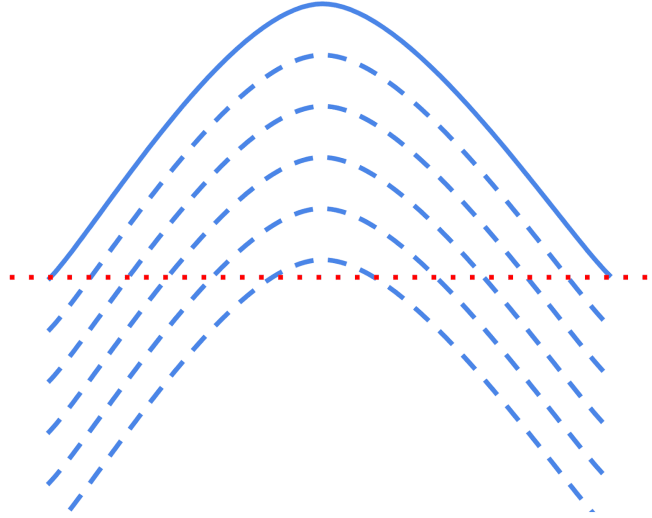
This is useful for building up banks, roads, or mounds in gradual steps and allows for even compaction of dirt.

The checkbox 'Ignore cuts' is useful if you want to gradually build up a mound of dirt by using the vertical nudge to lower a design surface below the current surface and then slowly nudge it upwards so that the fill pattern starts with the apex of the mound and proceeds outwards. In this case you do not want to cut in the regions where the mound design surface is currently nudged below the original surface. **NOTE: 'Ignore cuts' can be activated even if the Static Blade Limit is set to "None".**

The static blade limit amount is set on the implementation screen.

Methods to progressively add layers of dirt to a fill area.



<p>Static Blade Limit By Absolute Value</p>	
<p>Combination of vertical blade offset + Ignore cuts</p>	

(How far to shift the blade per button click)

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Total cut/fill limit type Ignore cuts

Dynamic Blade Limit
This ensures that you do not cut or fill more than the set amount using the 'as-applied surface'. If you set a cut limit, each individual pass will not try to cut to the full design depth, but rather will only take the amount set by the limit.

Enable cut limit Max Cut m

Enable fill limit Max Fill m

You need to enable 'As Applied' (machine tab) to use the blade limit

Dynamic Blade Limit - The

increment which the blade will move per pass of cut or fill. It allows progressively cutting to a total depth without over cutting on an individual pass.

This feature is designed to allow cuts to be taken in “bite size” chunks without causing the machine to be overloaded.

It can optionally be applied only to cuts, only to fills, or both.

It uses the as-applied functionality to track blade heights on previous passes in order to set the current blade height. Dynamic Blade Limit does not operate unless as-applied functionality is activated. For more see [Understanding the relationship between the “As-applied” surface and the Dynamic Blade Limit.](#)

