

Recommended pitch for Z-stack Tool

Lens

CFI Plan Apo 2x
CFI Plan Apo 4x
CFI Plan Apo 10x
CFI Plan Apo 20x
CFI Plan Apo 40x

Minimum Pitch

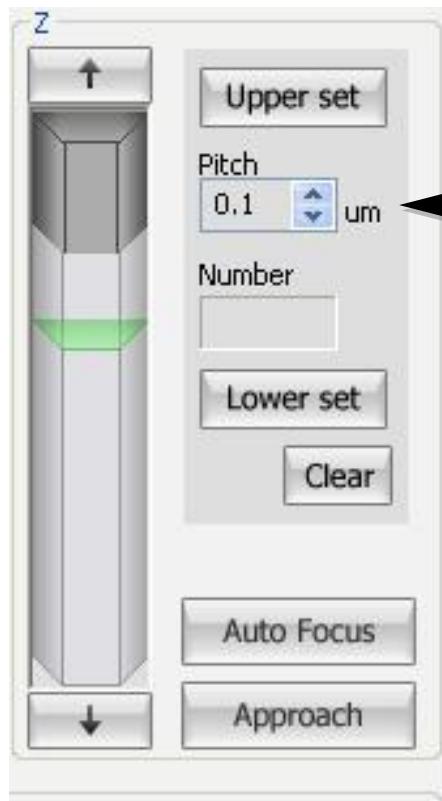
60 micrometer
20 micrometer
5 micrometer
3 micrometer
2 micrometer

Plan Apo Oil Immersion 60x
Plan Apo Oil Immersion 100x

1 micrometer
1 micrometer

Phase contrast ELWD 20x
Phase contrast ELWD 40x

5 micrometer
3 micrometer



The pitch is the distance between Z-axis image slices taken while using the Z-stack tool.

Increasing the pitch will increase the distance between image slices and therefore decrease the number of image slices.

Conversely, decreasing the pitch will create more image slices.