

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

1 micrometer

Plan Apo Oil Immersion 100x

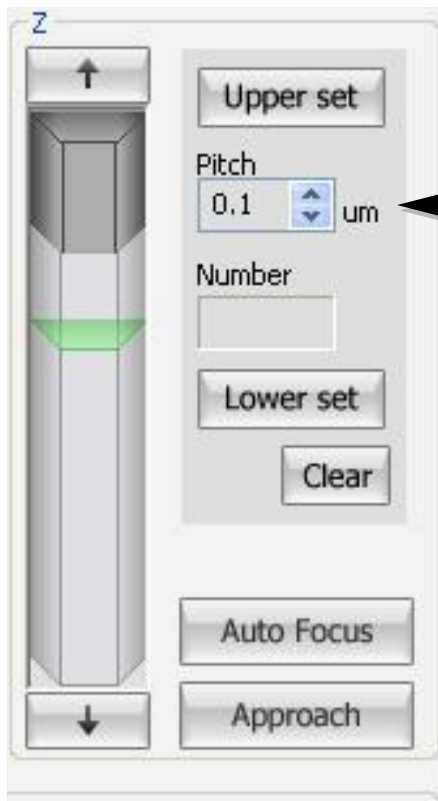
1 micrometer

Phase contrast ELWD 20x

5 micrometer

Phase contrast ELWD 40x

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.