

# Screw Positional Error at Gcode commanded Positions

All values are inches

Note: Back error and Backlash error is impacted by screw backlash plus mechanical linkage since scale is not directly at screw/nut

Error size Relative to Scale Position

0.0025  
0.002  
0.0015  
0.001  
0.0005  
0  
-0.0005

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5 10 10.5 11 11.5 12 12.5 13 13.5 14 14.5 15 15.5 16 16.5 17 17.5 18 18.5 19 19.5 20 20.5 21 21.5 22 22.5 23 23.5 24 24.5 25 25.5 26 26.5 27 27.5 28 28.5 29 29.5 30 30.5 31 31.5 32 32.5 33 33.5 34 34.5 35 35.5 36 36.5 37 37.5 38 38.5 39 39.5 40 40.5 41 41.5 42 42.5 43 43.5 44 44.5 45 45.5 46 46.5 47 47.5 48 48.5

Scale Position (points every 0.1")

Screw Forward Error Screw Back Error Backlash Error

