

TigerStop[®]

fast and accurate...every time



TigerSPC[™]

TigerSPC is a caliper set designed to make critical quality control measurements.





Made in USA*

Statistical Process Control Calipers

Introduction

Measuring and documenting your machining processes, in addition to selecting, verifying and maintaining metrology equipment for those processes, can be complex. Asking operators to measure from hole-to-hole on one piece, and then from hole-to-end on another piece can be complicated and time consuming. Additionally, not everyone on the shop floor understands the importance of statistical process control, which can be a recipe for disaster.

TigerSPC calipers were designed to help eliminate these problems. With its easy to use snap in jaws, you can change from holes to miters to overall measurements in seconds, without losing calibration. All TigerSPC jaws and appliances are machined to ensure the same zero point, so no recalibrating for different setups.

Easily Measure Material Up to 16 Feet

TigerSPC is a statistical process control caliper set designed to be attached to the TigerStop table system with working lengths up to 16 feet and a repeatable accuracy of $\pm .006$ inches (.15mm). The calipers can be equipped with a selection of both standard and custom attachments that allow it to be specifically configured for your set of critical quality control measurements.



Swivel Block Attachment

The Swivel Block Attachment combines the ability to measure from hole center to hole center. It also swivels and allows the operator to attach additional jaw accessories without the need to recalibrate.

Precision Measuring

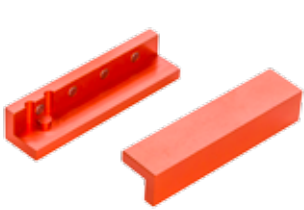
All TigerSPC jaws and attachments are machined to ensure the same zero point.

Attachments

With easy to use snap in jaws, everyone in your shop can change from holes, to miters, to overall measurements, in seconds without losing calibration.

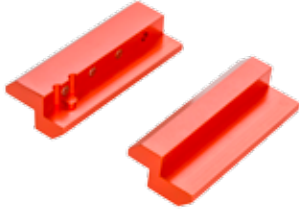
Upgrading TigerSPC

The system comes ready to upgrade with a LAN transceiver that can send data to Statistical Process Control applications.



Standard Jaws

TigerSPC is equipped with high precision jaws that can be interchanged without the need for calibration.



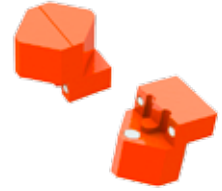
Extension Face Blocks

Extension face blocks allow for measurements from a half lap to tenon end.



Miter Jaws

Miter jaw attachments are used to measure the long side of miter cut pieces.



Mullion/Muntin Half Lap Jaws

Use the mullion half lap jaw attachment to measure the center to center distance between two half lap joints.



TigerSPC® Specifications

Accuracy
.006 in (.15 mm)

Accuracy Validation
NIST Certified

Power Requirement
2 AA Batteries

Construction
Anodized aluminum 6061-T6

Measurement
Inches & Fractions
Inches Decimal
Metric

Working Lengths
0 - 16 Feet
(0 - 4.9 Meters)

Warranty
1 Year

TigerStop®

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Construction

- TigerSPC has a high precision linear guide system that ensures accurate measurements +/- .006 inches (.15mm)
- Aluminum Alloy 6061-T6 Extrusion Heat Treated, Stress Relieved and Straightened for Linear Rail Mounting and Back Fencing of Parts
- Alloy Steel Jaws High Tolerance Machined and Ground
- Inlaid High Precision Linear Scale with Stainless cover
- Aluminum Alloy 6061-T6 Bar Stock Heat Treated, Stress Relieved for Case, Removable Jaws and Carriage Parts

Available Accessories

- Table system
- Hole pins for measuring from the center of holes
- Extension face blocks allowing for measurements from a half lap to tenon end
- Half lap block allowing for measurements from the center of half laps
- Inside tenon blocks allowing for the measurement from interior tenon shoulders
- Caliper jaws can be stepped or custom modified as required
- Custom measuring attachments as required

*Built in the USA from foreign and domestic components

Your actual part accuracy will depend on a number of factors outside of TigerStop LLC's control. This includes but is not limited to: condition and type of tooling speed of tooling, clamping options selected for the machine, material types, material straightness and internal tension of the material, feed speeds, temperature and moisture content of product being processed. All these factors will affect your quality and accuracy of finished parts. Also we have found that there are distinct differences in measuring devices used to validate dimensions of finish parts that can affect apparent accuracy. These factors will affect all tools regardless of manufacturer.

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