

SRX01 Series

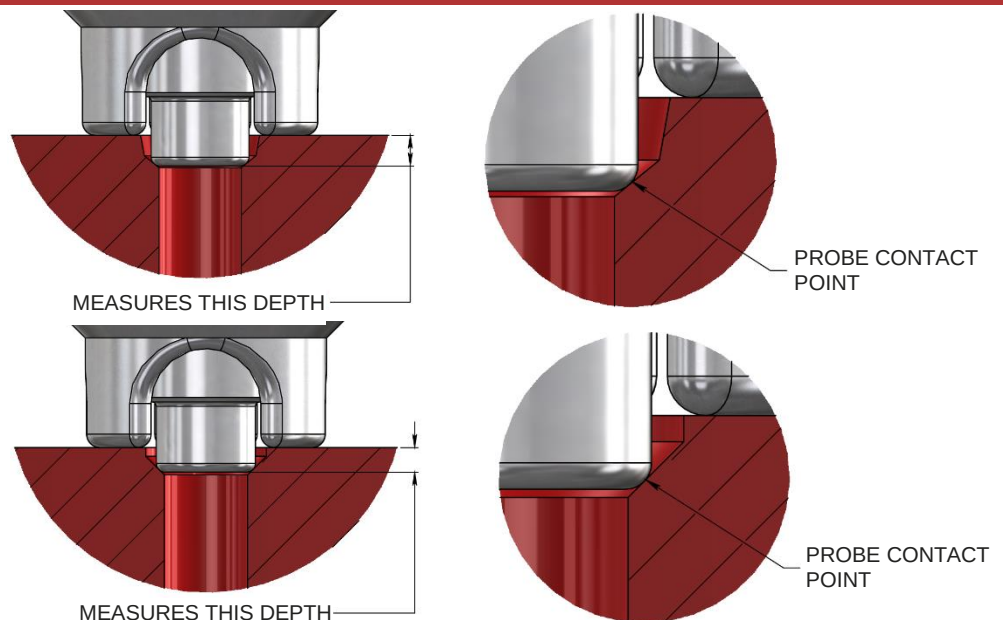
Countersink Depth Gage

TRULOK
PRECISION MEASURING INSTRUMENTS



RADIUS PROBE

A high precision digital gage for quick and accurate measurement of the countersink depth. The SRX01 gages have a radius type probe that contacts the inside wall of the countersink (see detail). The radius probe is designed to contact the bottom area of the countersink and can check a wide range of countersunk holes for virtually any flush head fastener—limited only by the hole diameter through. This gage can be used to set drill cages or micro-stops. The countersink angle can be calculated by using the SRX01 Countersink Depth Gage in conjunction with the SRX00 or SRX02 Countersink Diameter Gage.



FEATURES

- Measuring accuracy .00025 inch (.006mm)
- Direct contact inside the countersink walls
- Direct reading, no calculations or charts necessary
- Large base configurations available for curved surfaces
- Accurate, repeatable, and reproducible
- SPC ready via data port cable
- Ease of use with minimal training
- Eliminate costly rework
- Gage and set block calibrated to NIST traceable standards
- Unique serial numbers on gages, set blocks, and indicators
- Components made of heat treated, wear-resistant tool steels and microfinished to ensure accurate and trouble-free operation



DIGITAL INDICATOR'S FEATURES

- LCD display with rotating bezel
- Inch/mm mode toggle capable
- SPC data output ready via data port
- Upper and lower tolerance capable
- Wireless transmission & Bluetooth compatible

ORDERING INFORMATION:

SRX01 - XXX - XX

BODY STYLE:

7 = KNURLED, SLIM
8 = KNURLED TYPE
9 = FLANGE STYLE

GAGE NUMBER:

ASSIGNED IN
SEQUENCE BY
TRIO

DIAMETER SIZE:

CAN BE THE SAME AS THE
FASTENER SIZE, THE EXACT
DECIMAL SIZE OR ANY NUMBER

BASE STYLE:

T = TRIPOD
B = BIPOD
Q = QUADPOD

BODIES:



700



800

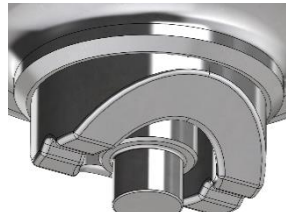


900

BASES:



TRIPOD



BIPOD



QUADPOD

TRULOK® gages are built to your exact specifications and parameters.
Please supply us with the following data:

Countersink angle	Countersink depth	Hole/Bore Ø	Countersink Ø	Standard countersink? [YES/NO]	Counterbore countersink? [YES/NO]

- Fastener part number | specification: _____
- Surface curvature: _____
- Size, thickness & position of any
Drilling jig or fixture to measure through: _____

Figure A1. Trulok Countersink Gage

A3. Measuring Contoured Parts

The approved Trulok gage (Figure A1) shall be used to measure the countersink on a contoured part. When measuring the countersink relative to the flat set block, the narrow foot spacing on the Trulok gage should follow the line of the contour for both convex and concave contours (see Figure A2).

NOTE: For concave surfaces with radius less than 20 inches, contact Trulok for the appropriate correction factor to the appendix countersink tables.

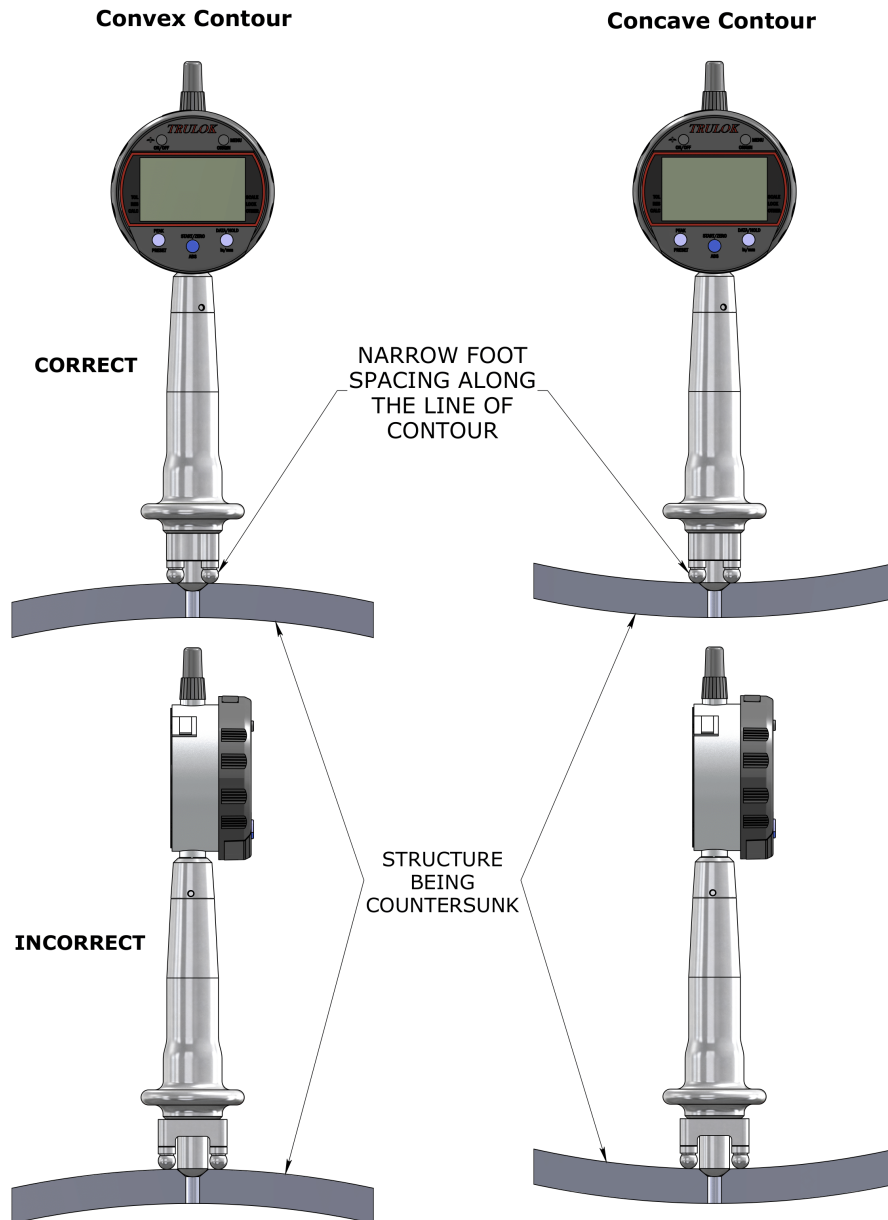


Figure A2. Correct Gage Position for Contoured Parts

Data Management Hardware

Wireless transmitters | Blue Tooth

Data port RS232



TRU-BT543

Bluetooth transmitter + connecting unit.
Plug and Go.



TRU-730G

Transmitter + cable + install kit



TRU-810D

Receiver + USB cable

Smart Solutions

Modern manufacturing is moving forward with smart solutions such as Statistical Process Control implemented factory wide. Trulok gages are data ready. Equipped with a data port located on top of the indicator face, each gage can be equipped with a wireless transmitter, Bluetooth or cable for direct connection. Inspection at the point of manufacturing, production sampling, Trulok gages are ready to reduce time spent recording measurements while still ensuring the quality of the product.

Bluetooth Transmitter

Mitutoyo U-Wave Bluetooth Transmitter fits on the back of the Trulok indicators.

Enables measurement data transmission wirelessly to smartphones, tablets or Bluetooth enabled laptops or PCs. Compatible with Microsoft Excel®. Data can be sent with a push of a button into a sheet.

- Bluetooth 4.2 low Energy
- Range approximate 32 feet (10m)
- No receiver required
- Windows 10, Android and IOS capitable

Wireless Transmitter | Receiver

When managing several units to one PC, a transmitter and receiver combination enables users to organize inputs from different gages. Mitutoyo U-Wave Transmitter fits on the back of the Trulok indicators. Mitutoyo U-Wave Receiver connects to a PC via USB cable. Compatible with Microsoft Excel®, IT-Pak and MeasureLink®

- Range approximate 32 feet (10m)
- 1-100 transmitters to 1 receiver capacity
- Windows 10 | 8 | 7
- Frequency 2.4 GHz
- Used band 15 channels (2.405 to 2.475 GHz at intervals of 5MHz)
- Transmitter power supply | lithium battery CR2032 [1pc]
- Transmitter weight (mass) | .05 lb (23g)
- LED data reception indication | transmitter
- Receiver power supply | USB bus power system
- Software supplied | U-WAVEPAK



TRU-TRANS-MM
Transmitter + cable



TRU-BASE-USB-GO
Receiver + USB cable

Wireless Transmitter | Receiver

Plug and Go option. Compatible with Microsoft Excel® with no download requirement makes this a user friendly approach. Flexibility with any SPC/DAQ software program. Manage multiple transmitters to one receiver with MicroRidge Xpress Setup.

- Range approximate 133 feet (40m)
- 1 – 15 transmitters to 1 receiver capacity
- Transmitter name edit feature allows unique gage identification (8 characters limit)
- Windows 10 | 8 | 7
- Frequency 2.4 GHz (2.4000 to 2.4835) ISM band
- Transmitter power source | 2032 lithium battery | battery life approximate 300,000 readings
- Transmitter weight | 1 oz
- LED status indicators | transmitter and receiver
- Receiver power source | 5VDC USB port | PC connection keyboard wedge via USB port



TRU-CABLE-USB
USB cable + indicator plug

USB Cable Connection

Plug and go with this USB cable. Great for single countersink gage use. Enables measurement data transmission directly to laptops or PCs via USB cable. Compatible with Microsoft Excel®. Data can be sent with a push of a button into a sheet. No download necessary, makes the set up user friendly.

- 72" cable length
- Power | 5VDC from USB port
- Single and continuous read modes
- LED indicator | positive data transfer
- RoHS, REACH, CE compliant