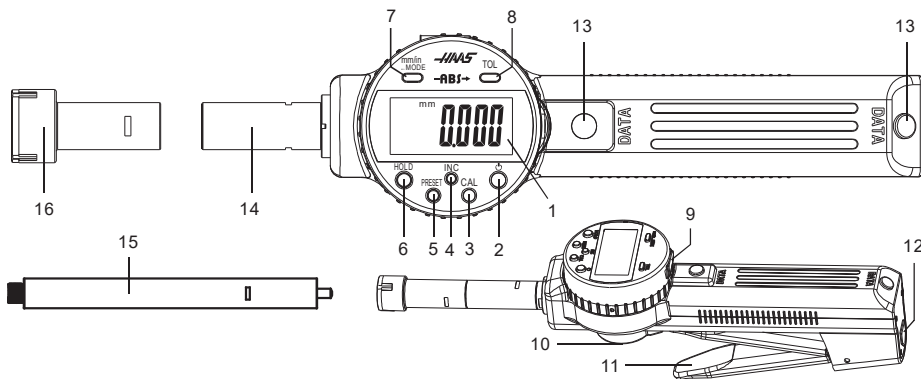
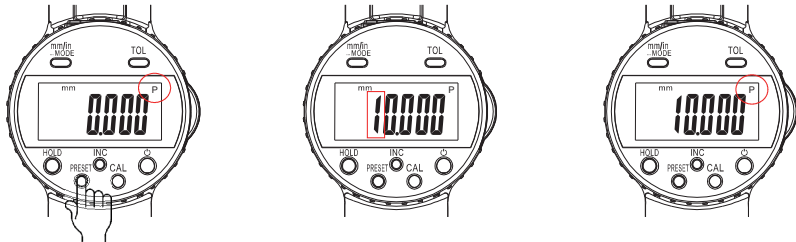


To ensure the proper use of the product, please read this product instructions manual thoroughly.

PRODUCT FIGURE AND BUTTONS



1. LCD Screen: Displays measured value.
2. ⏻ Button: Press to turn on or off.
3. CAL Button: Resets to preset value if set, or displays zero if not set.
4. INC Button: Press to display "INC" at the top of the LCD and to take relative measurements. Press again to return to absolute measuring.
5. PRESET Button: Press and hold PRESET button till a flashing "P" is displayed at the top right of the LCD. To cycle to the next icon, press and hold the PRESET button till a value begins to flash. By pressing PRESET once on a flashing value, it allows the user to cycle from 0-9. Once PRESET value is entered, cycle through until the "P" begins flashing and short press to exit and store value. Note: Preset value is memorized when powered off.



6. HOLD Button: Press to display an "H" at the top of the LCD. This will hold the current value measured on the screen. Press the HOLD button again to exit HOLD mode.
7. mm/in Mode Button: Toggles between Inch and Metric mode.
8. TOL Button: Press TOL button to display a "O" and "TOL" icon at the top right of the LCD. When the TOL icon is not flashing, it is in tolerance viewing mode. To input a custom tolerance, press and hold the TOL button until the icon begins to flash. To cycle to the next icon, press and hold the TOL button. By pressing TOL once on a flashing value, it allows the user to cycle from 0-9. Once TOL value is entered, cycle through until the "TOL"

icon begins flashing and short press to exit and store value. To set a second TOL value, press and hold TOL again until the icon begins to flash. Once second value is set, return to tolerance viewing mode. The system will automatically regard the greater value as the upper limit of tolerance, and the smaller one as the lower limit of tolerance.

Tolerance Viewing Mode: In this working mode, it will display "O" when the measured value is within tolerance range. When the measured value is out of upper limit, it will display "▲". When the measured value is out of the lower limit it will display "▼". To exit tolerance monitoring mode short press "TOL" and the icon on the top right will disappear.

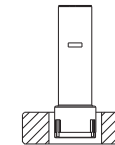
- Note:** The system will convert the tolerance value accordingly when user switches measuring mode between Inch and Metric mode. The tolerance set will be saved after power off or battery change.
9. SPC output port: Port is used to transmit data to external devices via Bluetooth or wire, **not included**.
 10. CR2450 3V lithium battery life > 1 year
 11. Handle: Squeeze handle to measure workpiece
 12. SPC output port: Port is used to transmit data to external devices via Bluetooth or cables, not included.
 13. DATA Button: There are two DATA buttons on the front of the tool. In Bluetooth mode, press any of the two buttons to transmit measured data to receiving devices (Mobile phone/PC), if Bluetooth equipped.
 14. Connecting sleeve
 15. Extension rod: Used to connect the gauge head and connecting sleeve when extended range is required.
 16. Gauge head

USE STEPS

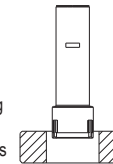
Before use, verify product battery, and buttons functions are in good operating condition.

Calibration of three-point internal micrometer:

1. Use Preset button to preset value according to etchings on calibration ring.
2. Place the ring gauge on a flat surface. Press the handle and place the bore gauge head in the center of the calibration ring gauge, and release until the carbide tipped points make contact. Adjust the point of contact until a consistent reading of the ring gauge is achieved. Once ready, press the preset button to display the dimensions etched on the ring gauge. Calibration is complete and ready for use.



Ring gauge calibration: Place the gauge head in the center of the ring gauge and press the handle. Once the carbide tips make contact, press the CAL button to calibrate the bore gauge to the preset value etched onto the ring gauge.



Blind hole measurement: Once calibrated, lower the gauge head into the workpiece. Press the handle until the carbide tips make contact with the walls. Note: The more contact the carbide tips have, the more accurate the measurement will be.

BLUETOOTH OPERATION

Only Bluetooth capable products can use this function.

Note: When setting up software of receiving equipment it is recommended to set the language to English mode. To avoid disruption of data transmission it is not recommended to use multiple software types at one time on the receiving device.

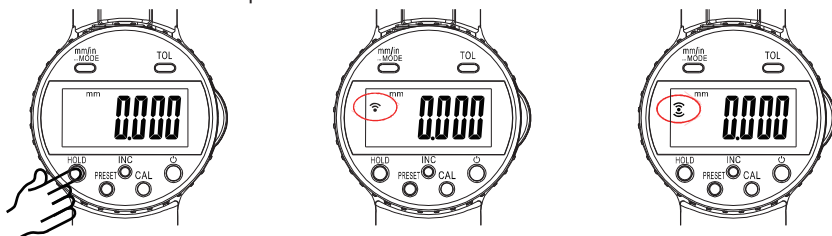
1. Bluetooth Pairing: Verify receiving device is available for pairing. Press and hold one of the data buttons until the "📶" icon appears flashing on the screen. When flashing, this will indicate the bore gauge is in pairing mode. Complete pairing using the receiving device. The icon will stop flashing and remain on the

DIGITAL BORE GAUGE



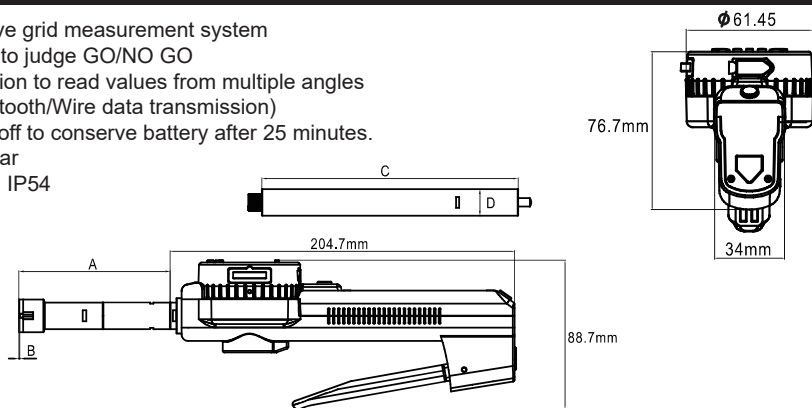
screen once pairing is complete. If connection is not established within 5 minutes, bore gauge will automatically exit pairing mode.

- Send Data: Once connected via Bluetooth or wire, data can be sent to receiving device. When the data has sent, the "☺" icon will flash to indicate the data has been sent. When transmitting data, it is recommended to keep a close distance between the measuring tool and receiving device to avoid possible loss, or interruption of data. If data is not sent within 15 minutes, Bluetooth will automatically turn off.
- Caution: If the bore gauge connects with multiple receiving devices, the device with the most recent connection will take priority. When attempting to connect to a Windows device it may be necessary to remove previous connection and re-pair the device to establish the connection.



PRODUCT CHARACTERISTICS

- Absolute capacitive grid measurement system
- Tolerance setting to judge GO/NO GO
- 330° display rotation to read values from multiple angles
- SPC output (Bluetooth/Wire data transmission)
- Automatic power off to conserve battery after 25 minutes.
- Battery life > 1 year
- Protection Grade: IP54
- Extension rod
- Ring gauge



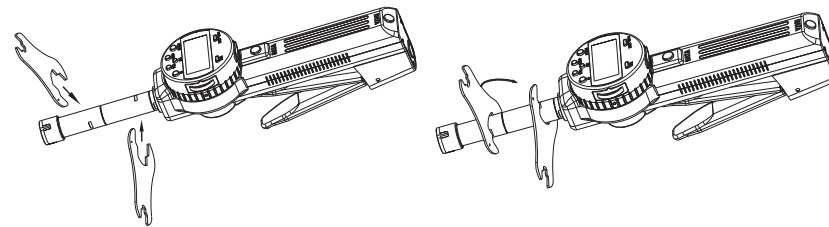
SPEC	Accuracy	Ring gauge	Extension rod C	A(mm)	B(mm)	D(mm)
6-8mm/0.236-0.315"	0.004mm/0.002"	Ø8mm	101.6mm/4"	55	1	Ø5.8
8-10mm/0.315-0.425"	0.004mm/0.002"	Ø8mm	101.6mm/4"	55	1.5	Ø5.8
10-12mm/0.425-0.5"	0.004mm/0.002"	Ø12mm	101.6mm/4"	55	1.5	Ø5.8
12-16mm/0.5-0.65"	0.004mm/0.002"	Ø16mm	152.4mm/6"	80	0.5	Ø11.8
16-20mm/0.65-0.8"	0.004mm/0.002"	Ø16mm	152.4mm/6"	80	0.5	Ø11.8
20-25mm/0.8-1.0"	0.004mm/0.002"	Ø25mm	152.4mm/6"	90	0.5	Ø15.8
25-30mm/1.0-1.2"	0.004mm/0.002"	Ø25mm	152.4mm/6"	90	0.5	Ø15.8
30-40mm/1.2-1.6"	0.004mm/0.002"	Ø40mm	152.4mm/6"	105	0.5	Ø23.5
40-50mm/1.6-2.0"	0.005mm/0.002"	Ø40mm	152.4mm/6"	105	0.5	Ø23.5
50-63mm/2.0-2.5"	0.005mm/0.002"	Ø62mm	152.4mm/6"	127	0.5	Ø23.5
62-75mm/2.5-3.0"	0.005mm/0.002"	Ø62mm	152.4mm/6"	127	0.5	Ø23.5
75-88mm/3.0-3.5"	0.005mm/0.002"	Ø87mm	152.4mm/6"	127	0.5	Ø23.5
87-100mm/3.5-4.0"	0.005mm/0.002"	Ø87mm	152.4mm/6"	127	0.5	Ø23.5

DIGITAL BORE GAUGE

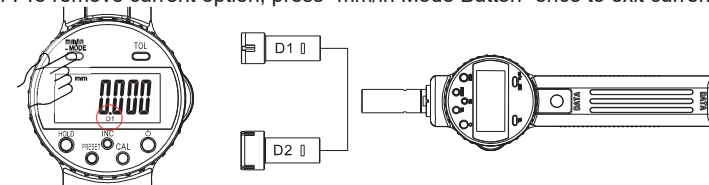


LOADING AND UNLOADING OF GAUGE HEAD

User can extend the overall length of the gauge head assembly. To install the extension rod, take two wrenches from the case that fit the slots on the connecting sleeve, as well as the gauge head. Remove only the gauge head and leave the connecting sleeve on the bore gauge. Thread the extension rod to the connecting sleeve and gauge head. The side with internal threads will thread on to the connecting sleeve. The side with external threads will thread on to the gauge head. Using the supplied wrenches, verify all connecting pieces are tight prior to calibrating.



Note: When several gauge heads are provided, they can be user assigned as (D1/D2/D3/D4/D5). By pressing and holding the "mm/in MODE Button", an icon that displays "D1" will appear. The user can toggle between the remaining options (D1/D2/D3/D4/D5), by pressing and holding "mm/in MODE Button". To remove current option, press "mm/in Mode Button" once to exit current mode.



CAUTION

- Avoid contact with liquid, prolonged exposure to sunlight or heat, and high impacts, such as dropping or items falling on the bore gauge.
- Do not charge and reuse the battery. Properly dispose of old battery and replace with a new one when power is low.
- Keep the bore gauge clean to ensure accuracy and long life. Clean with a clean soft, dry cloth after each use.
- Remove the battery if the product will not be used for a long period of time.
- If the display is dim, or flashing irregularly, or the low battery icon appears, it is recommended to replace the battery.



WARNING

The safety information given must be understood by any person using or maintaining these products.