

Starrett®

Precision, **Quality**, Innovation

PRECISION TOOLS

Vernier Calipers

Electronic **Calipers**

Electronic **Depth Gauges**

Electronic Micrometers

Inside Micrometer **Sets**

Depth **Micrometers**

Dial Bore Gauges

Indicators

Indicator **Stands**



PRECISION, QUALITY, INNOVATION

Welcome to our new edition, Catalogue 33.1. We remain as dedicated today to the making of great tools for our customers as we were when L.S. Starrett founded the company in 1880. He created a business and a brand that has become synonymous with precision, quality and innovation, backed by unmatched service and support.

We accomplish this by offering application-designed precision tools, saws, and custom solutions that optimise job and process performance. Our confidence hinges on over 130 years of experience focusing on your needs and your success. We take great pride in manufacturing long-lasting, easy-to-use tools that provide consistent and reliable performance.

Today, Starrett offers five product categories: Precision Measurement Tools, Metrology Equipment, Granite-based Engineered Solutions, Saw Blades, and Jobsite and Shop Tools.

Whether you need to modify a standard tool, require assistance in selecting the best saw blade for your cutting application, or desire a custom solution for your business, we have the breadth of knowledge to assist you.

We are committed to providing you with complete solutions created for your exact needs. Problem solving is part of what we do every day. If the right tool for your application does not exist, contact us – we would appreciate the opportunity to build it.

D.A. Starrett

President and CEO



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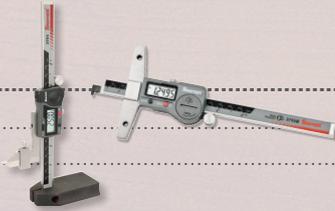
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VERNIER CALIPERS

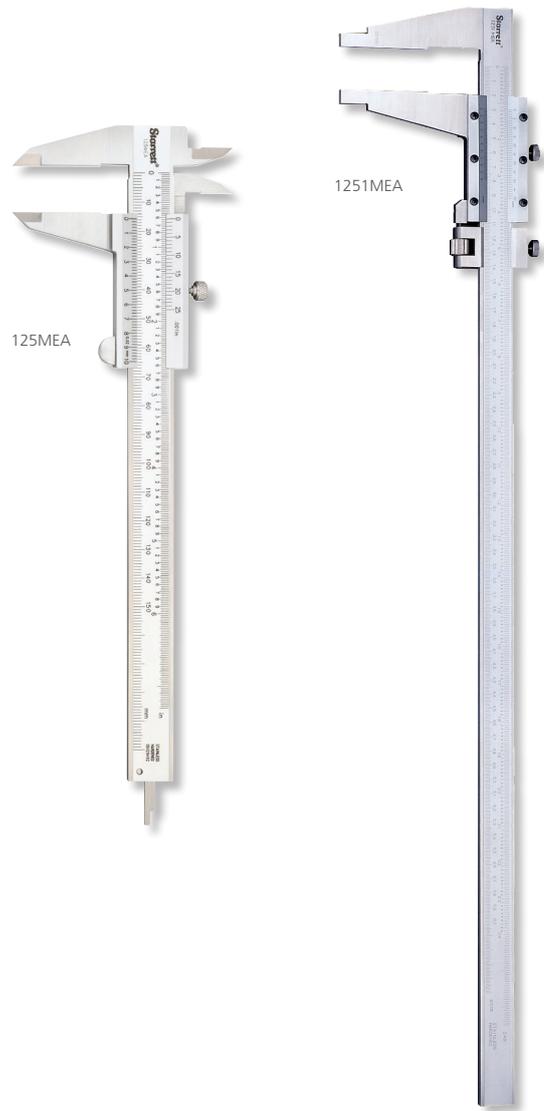
125

VERNIER CALIPERS

High quality, basic vernier caliper that offers inch and metric measurement

- Standard: DIN 862
- Measure outside diameter, inside diameter, depth and step
- Stainless steel hardened, ground and lapped measuring surfaces
- Lock screw for sliding jaw

| Cat No | Range | Graduation |
|-----------|-------------|-----------------|
| 125MB-150 | 150mm / 6" | 0.05mm / 1/128" |
| 125MB-200 | 200mm / 8" | 0.05mm / 1/128" |
| 125MB-300 | 300mm / 12" | 0.05mm / 1/128" |
| 125MA-150 | 150mm / 6" | 0.02mm / 0.001" |
| 125MA-200 | 200mm / 8" | 0.02mm / 0.001" |
| 125MA-300 | 300mm / 12" | 0.02mm / 0.001" |



DIAL CALIPERS

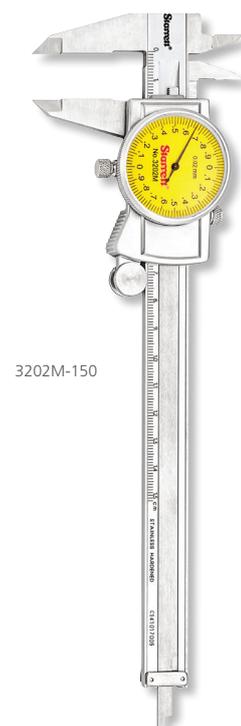
3202

DIAL CALIPERS

With the ability to provide quick, accurate measurement of outside diameter, inside diameter, thickness and depth, the dial caliper is the most versatile precision measuring tool used in industry today.

- Standard: DIN 862
- Smooth sliding, anti shock new design dial movement
- Hardened stainless steel bar, measuring surfaces, rack, gears and depth bar
- Lock screws for dial bezel and for holding the sliding jaw in position
- Thumb-operated fine adjustment roll
- Positive split gear anti-backlash control

| Cat No | Range | Resolution |
|-----------|-------|------------|
| 3202M-150 | 150mm | 0.02mm |
| 3202M-200 | 200mm | 0.02mm |
| 3202M-300 | 300mm | 0.02mm |



ELECTRONIC CALIPERS

EC799 & 799 ELECTRONIC CALIPERS



The 799 Electronic Caliper is light, comfortable and easy-to-use, with a slim, streamlined profile and a large, LCD display.

- Standard: DIN 862
- High quality guide surfaces for smooth slider movement
- Hardened stainless steel measuring surfaces
- Fine adjustment thumb wheel
- Lock screw for sliding jaw
- Metric / inch conversion
- Zero set at any position
- Manual / auto off after 30 minutes of non use

| Cat No | Range | Resolution |
|---------------|------------------------|------------------|
| EC799A-6/150 | 150mm / 6" | 0.01mm / 0.0005" |
| EC799A-8/200 | 200mm / 8" | 0.01mm / 0.0005" |
| EC799A-12/300 | 300mm / 12" | 0.01mm / 0.0005" |
| 799AZ-24/600 | 600mm / 24" | 0.01mm / 0.0005" |
| 799AZ-40/1000 | 1000mm / 40" | 0.01mm / 0.0005" |
| PT99492 | 3 Volt Battery, CR2032 | |
| PT22431 | Depth Attachment | |

798 IP67 ELECTRONIC CALIPERS

The 798 Electronic Caliper features a large, easy-to-read, high contrast LCD readout. Its induction type linear encoder system includes IP67 protection against coolants, water, chips, dust and dirt often found in machine shop environments.

- Standard: DIN 862
- High quality guide surfaces for smooth slider movement
- Hardened stainless steel measuring surfaces
- Fine adjustment thumb wheel
- Lock screw for sliding jaw
- Metric / inch conversion
- Zero set at any position
- Memory retention of last display setting
- Data output on 798B series
- Manual / auto off after 30 minutes of non use



| Cat No. | Range | Resolution |
|-------------|--------------------------------------|------------------|
| 798A-6/150 | 150mm / 6" | 0.01mm / 0.0005" |
| 798A-8/200 | 200mm / 8" | 0.01mm / 0.0005" |
| 798A-12/300 | 300mm / 12" | 0.01mm / 0.0005" |
| Data Output | | |
| 798B-6/150 | 150mm / 6" | 0.01mm / 0.0005" |
| 798B-8/200 | 200mm / 8" | 0.01mm / 0.0005" |
| 798B-12/300 | 300mm / 12" | 0.01mm / 0.0005" |
| PT99492 | 3 Volt Battery, CR2032, (2 Required) | |
| PT22431 | Depth Attachment | |



IP PROTECTION

An IP number is composed of two numbers, the first referring to protection against solid objects and the second against liquids.

First number 6: Totally protected against dust

Second number 7: Protection against submersion in water under standardised conditions of pressure for 30 minutes.

ELECTRONIC DEPTH GAUGES

3753A

ELECTRONIC DEPTH GAUGES

The 3753A Electronic depth gauge is a versatile, easy to use tool for measuring depth, slot widths and positions and lengths.

- Standard: Starrett factory specification
- Hardened stainless steel measuring surfaces
- Fine adjustment thumb wheel
- Lock screw for sliding base
- Hardened base measures 100mm (3-15/16"), with optional base extensions of 180mm (7-1/8"), 260mm (10-1/4") and 320mm (12-5/8")
- A hook attachment is supplied with the gauge, making it possible to take readings from the edge of slots, grooves and shoulders. The hook is removable if required
- Metric / inch conversion
- Zero set at any position
- Manual / auto off after 15 minutes of non use



3753A-6/150

3648-180 base extension

| Cat No | Range | Resolution | Accuracy |
|--------------|--|------------------|----------|
| 3753A-6/150 | 150mm / 6" | 0.01mm / 0.0005" | ±0.03mm |
| 3753A-8/200 | 200mm / 8" | 0.01mm / 0.0005" | ±0.03mm |
| 3753A-12/300 | 300mm / 12" | 0.01mm / 0.0005" | ±0.03mm |
| 3648-180 | 180mm base extension for 3753A and 3753B | | |
| 3648-260 | 260mm base extension for 3753A and 3753B | | |
| 3648-320 | 320mm base extension for 3753A and 3753B | | |
| PT99492 | 3 Volts battery CR2032 | | |

3753B

IP67 ELECTRONIC DEPTH GAUGES

The 3753B Electronic Depth Gauge features a large, easy-to-read, high contrast LCD readout. Its induction type linear encoder system includes IP67 protection against coolants, water, chips, dust and dirt often found in machine shop environments.

- Standard: Starrett factory specification
- Hardened stainless steel measuring surfaces
- Fine adjustment thumb wheel
- Lock screw for sliding base
- Hardened base measures 100mm (3-15/16"), with optional base extensions of 180mm (7-1/8"), 260mm (10-1/4") and 320mm (12-5/8"). Base extensions are as listed under 3753A above
- A hook attachment is supplied with the gauge, making it possible to take readings from the edge of slots, grooves and shoulders. The hook is removable if required
- Metric / inch conversion
- Zero set at any position
- Data output on 3753B series
- Manual / auto off after 30 minutes of non use



3753B-6/150

| Cat No | Range | Resolution | Accuracy |
|--------------|-----------------------|------------------|----------|
| 3753B-6/150 | 150mm / 6" | 0.01mm / 0.0005" | ±0.03mm |
| 3753B-8/200 | 200mm / 8" | 0.01mm / 0.0005" | ±0.03mm |
| 3753B-12/300 | 300mm / 12" | 0.01mm / 0.0005" | ±0.03mm |
| PT99492 | 3 Volt battery CR2032 | | |

ELECTRONIC HEIGHT GAUGES

3751 ELECTRONIC HEIGHT GAUGE

This height gauge is light, portable and easy to use for vertical measurements within its range.

- Standard: Starrett factory specification
- Hardened stainless steel measuring surfaces
- Fine adjustment thumb roll for precision measurement
- Lock screw for setting fixed height position
- Hardened, ground, and lapped base with finger grooves provides ease of movement
- Scriber can reference zero from the bottom of the base to get full 150mm usable range
- Depth attachment (PT08680A) available for measuring of depth of holes, slots and recesses
- Metric / inch conversion
- Zero set at any position
- Manual / auto off after 5 mins of non use

| Cat No | Range | Resolution | Accuracy |
|--------------|---|----------------|----------|
| 3751AZ-6/150 | 150mm/6" | 0.01mm/0.0005" | ±0.02mm |
| PT08680A | Depth attachment for 150mm height gauge | | |
| PT99492 | 3 Volt battery CR2032 | | |



3752-12/300

3752 ELECTRONIC HEIGHT GAUGES

The 3752 Electronic Height Gauge is a full featured, versatile and economic solution for most height measurement applications.

- Standard: Starrett factory specification
- Large positive action key pad
- Hardened stainless steel measuring surfaces
- Carrier and scriber designed to read from zero
- Metric / Inch conversion
- Zero set at any position
- Ability to retain and return to the true zero position
- Preset button to install any reading at any position
- "Hold" control feature retains a reading
- Plus or minus button to toggle polarity direction
- Minimum and maximum tolerance limits presetable
- Data output for 3752 series
- Manual / auto off after 30 mins of non use

| Cat No | Range | Resolution | Accuracy |
|-------------|------------------------------------|------------------|-----------------------|
| 3752-12/300 | 0-300mm / 0-12" | 0.01mm / 0.0005" | ±0.04mm – 0-450mm |
| 3752-24/600 | 0-600mm / 0-24" | 0.01mm / 0.0005" | ±0.05mm – 450mm-600mm |
| PT61120 | 3 Volt Battery CR2450 (2 required) | | |

ELECTRONIC OUTSIDE MICROMETERS

3732

ELECTRONIC OUTSIDE MICROMETERS

The 3732 Electronic Outside Micrometers are built with customary Starrett quality and workmanship, including a large, easy to read, high contrast LCD digital display.

- Standard: DIN 863
- Tungsten carbide measuring faces
- Starrett satin chrome finish for reduced glare and increased resistance to rust
- Ratchet controller giving uniform pressure and consistent measurements
- mm graduation on shell and thimble with 6.35mm spindle diameter
- Ring type locking nut for quick and sure locking
- Hardened one-piece spindle
- Measurement HOLD button
- PRESET button to install any reading at any position
- Metric / Inch conversion
- Zero set at any position
- Data output for 733 series
- Manual / Auto off after 30 minutes of non-use
- Complete with setting standard



3732MEXFL-150



3732MEXFL-25

| Cat No | Range | Resolution |
|---------------|------------------------|--------------------|
| 3732MEXFL-25 | 0-25mm / 0-1" | 0.001mm / 0.00005" |
| 3732MEXFL-50 | 25-50mm / 1-2" | 0.001mm / 0.00005" |
| 3732MEXFL-75 | 50-75mm / 2-3" | 0.001mm / 0.00005" |
| 3732MEXFL-100 | 75-100mm / 3-4" | 0.001mm / 0.00005" |
| PT99492 | 3 Volt battery, CR2032 | |



3732MEXFL-25

ELECTRONIC OUTSIDE MICROMETERS

795 & 796

IP67 ELECTRONIC OUTSIDE MICROMETERS

Starrett 796 and 795 IP67 Electronic Outside Micrometers feature a large, easy to read, high contrast LCD digital display. IP67 protection makes them suitable for use in workshop conditions exposed to coolant, water, dust, or oil.

- Standard: DIN 863
- Tungsten carbide measuring faces
- Starrett satin chrome finish for reduced glare and increased resistance to rust
- Ratchet controller giving uniform pressure and consistent measurements
- mm graduation on shell and thimble, 6.35mm spindle diameter
- Ring type locking nut for quick and sure locking
- Hardened one-piece spindle
- Measurement HOLD button
- PRESET button to install any reading at any position
- Metric / Inch conversion
- Zero set at any position
- Data output for 795 series
- Manual / Auto off after 30 minutes of non-use
- Complete with setting standard



795MEXFL-100



795MEXFL-50

| Cat No | Range | Resolution |
|--------------|------------------------|--------------------|
| 795MEXFL-25 | 0-25mm / 0-1" | 0.001mm / 0.00005" |
| 795MEXFL-50 | 25-50mm / 1-2" | 0.001mm / 0.00005" |
| 795MEXFL-75 | 50-75mm / 2-3" | 0.001mm / 0.00005" |
| 795MEXFL-100 | 75-100mm / 3-4" | 0.001mm / 0.00005" |
| 796MEXFL-25 | 0-25mm / 0-1" | 0.001mm / 0.00005" |
| PT99492 | 3 Volt battery, CR2032 | |



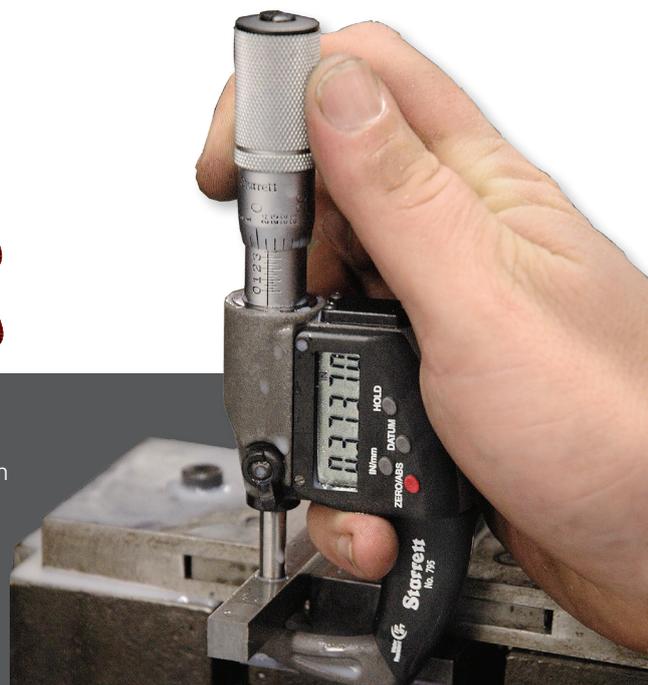
IP PROTECTION

An IP number is composed of two numbers, the first referring to protection against solid objects and the second against liquids.

First number 6: Totally protected against dust

Second number 7: Protection against submersion in water under standardised conditions of pressure for 30 minutes.

All 795 and 796 Micrometers include IP67 protection



ANVIL MICROMETERS

224

INTERCHANGEABLE ANVIL MICROMETERS

Each micrometer is equipped with a series of easily interchangeable anvils, thus providing the full range in steps of 25mm. This makes 244 series micrometers very popular in machine or automotive repair shops.

- Standard: DIN 863
- Starrett satin chrome finish for reduced glare and increased resistance to rust
- Advanced sleeve design with staggered lines and distinct figures for easy readability
- Balanced frame and thimble design ensure easy handling
- Ratchet controller giving uniform pressure and consistent measurements
- Ring type lock nut for quick and sure locking
- Hardened one-piece spindle
- Rigid and stable special cast iron frame with appropriate perforations for lightness and ribbed for strength and stability
- Spindle diameter of 7.62mm
- Complete with setting standard



| Cat No | Range | Resolution | Standards |
|-----------|-----------|------------|---------------------------|
| 224MAARLZ | 0-100mm | 0.01mm | 25,50,75mm |
| 224MARLZ | 50-150mm | 0.01mm | 50,75,100,125mm |
| 224MGRLZ | 150-300mm | 0.01mm | 150,175,200,225,250,275mm |
| 224MDRLZ | 300-400mm | 0.01mm | 300,325, 350,375mm |
| 224MERLZ | 400-500mm | 0.01mm | 400,425,450,475mm |
| 224MJRLZ | 500-600mm | 0.01mm | 500,525,550,575mm |



224MJRLZ



224MGRLZ

OUTSIDE MICROMETERS

436

OUTSIDE MICROMETERS

Precision micrometers used by skilled workmen worldwide. They are accurate, rugged and easy to use

- Standard: DIN 863
- Tungsten carbide measuring faces
- Starrett satin chrome finish for reduced glare and increased resistance to rust
- Advanced sleeve design with staggered lines and distinct figures for easy readability
- Balanced frame and thimble design ensure easy handling
- Ratchet controller giving uniform pressure and consistent measurements.
- Ring type lock nut for quick and sure locking
- Hardened one-piece spindle
- Spindle diameter of 6.35mm / .250"
- Complete with standard for 0-150mm / 0-6" individual micrometers



| Cat No | Range | Resolution |
|----------------|-----------|------------|
| 436.2MXRL-25 | 0-25mm | 0.01mm |
| 436.1MXRL-50 | 25-50mm | 0.01mm |
| 436.1MXRL-75 | 50-75mm | 0.01mm |
| 436.1MXRL-100 | 75-100mm | 0.01mm |
| 436.1MXRL-125 | 100-125mm | 0.01mm |
| 436.1MXRL-150 | 125-150mm | 0.01mm |
| V436.2MXRL-25 | 0-25mm | 0.001mm |
| V436.1MXRL-50 | 25-50mm | 0.001mm |
| V436.1MXRL-75 | 50-75mm | 0.001mm |
| V436.1MXRL-100 | 75-100mm | 0.001mm |



| Cat No | Range | Resolution |
|-------------|-------|------------|
| 436.1XRL-1 | 0-1" | 0.001" |
| 436.1XRL-2 | 1-2" | 0.001" |
| 436.1XRL-3 | 2-3" | 0.001" |
| 436.1XRL-4 | 3-4" | 0.001" |
| 436.1XRL-5 | 4-5" | 0.001" |
| 436.1XRL-6 | 5-6" | 0.001" |
| T436.1XRL-1 | 0-1" | 0.0001" |
| T436.1XRL-2 | 1-2" | 0.0001" |
| T436.1XRL-3 | 2-3" | 0.0001" |
| T436.1XRL-4 | 3-4" | 0.0001" |

436

OUTSIDE MICROMETER SETS WITH STANDARDS

Recommended for mechanics, automotive service and machine shops, toolrooms, inspection departments and wherever gauging involves a wide range of measurements. All sets come with attractive, protective cases which keep micrometers and setting standards together, and readily accessible

| Cat No | Range | Resolution |
|--------------|---------|------------|
| S436.2MCXRLZ | 0-150mm | 0.01mm |

| Cat No | Range | Resolution |
|---------------|-------|------------|
| S436.1CXRLZ-1 | 0-6" | 0.001" |



INSIDE MICROMETER SETS

124

SOLID-ROD INSIDE MICROMETER SETS

124 series are the most popular solid rod inside micrometer sets because of their lightness, ease of use, and range. They are useful for measuring inside diameters of cylinders and rings, measuring parallel surface, etc.

- Standard: DIN 863
- The desired range is obtained by assembling rods and spacing collars to the micrometer head
- Rod diameters are approx. 6mm on the A and B sizes, and approx. 8.5mm on the C size
- Measuring rods are solid and assembled on one side of the micrometer head
- Insulated rods marked with length
- Convenient handle is available to provide reach for use in deep holes. Handle screws into the micrometer head in place of the dummy screw, which is opposite a rod lock screw. Distance from the end of the handle to the centre line is 158mm



124MAZ

| Cat No | Range | Resolution | Screw Movement | Measuring Rod | Spacing Collars |
|--------|-----------|------------|----------------|---------------|---------------------|
| 124MAZ | 50-200mm | 0.01mm | 13mm | 6 | 1 x 12mm |
| 124MBZ | 50-300mm | 0.01mm | 13mm | 10 | 1 x 12mm |
| 124MCZ | 200-800mm | 0.01mm | 25mm | 4 | 1 x 25mm and 2x50mm |



823

TUBULAR INSIDE MICROMETER SETS

The 823 micrometer is a highly useful tool for internal linear measurements such as measuring cylinders, rings, setting calipers, comparing gauges and measuring parallel surfaces.

- Standard: DIN 863
- Rod diameter is approx. 9.5mm
- Each rod is marked with length
- Interchangeable anvils on both 13mm and 25mm heads
- Lock nut furnished on 25mm heads
- 140mm length, convenient handle furnished on A and B micrometers may be clamped where it will provide correct balance and reach



823w-2rods

Rods attachable as shown to either one or both ends of the head, ensuring the best balance, feel, and ease of reading.

| Cat No | Range | Resolution | Screw Movement | Measuring Rod | Handle |
|--------|------------|------------|----------------|---------------|--------|
| 823MAZ | 40-200mm | 0.01mm | 13mm | 6 | Yes |
| 823MBZ | 40-300mm | 0.01mm | 13mm | 8 | Yes |
| 823MEZ | 100-1000mm | 0.01mm | 25mm | 10 | - |



DEPTH MICROMETERS

445M

DEPTH MICROMETERS

- The depths of holes, slots, shoulders and projections can be measured to 0.01mm with these tools
- Combination ratchet and speeder for uniform pressure and quicker adjustment
- Ring-type lock nut for quick and sure locking

| Range | Base | Rods | Rod Dia. | Cat. No. |
|---------|-------|------|----------|--------------|
| 0-75mm | | 3 | | 445MBZ-75RL |
| 0-150mm | 100mm | 6 | 4mm | 445MBZ-150RL |
| 0-225mm | | 9 | | 445MBZ-225RL |

| Millimetre Reading Rods Only | |
|------------------------------|------------------------------|
| Size | Fits 445M Models Part No. |
| 0-25mm | PT99371 |
| 25-50mm | PT99372 |
| 50-75mm | PT99373 |
| 75-100mm | PT99374 |
| 100-125mm | PT99375 |
| 125-150mm | PT99376 |
| 150-175mm | PT99377 |
| 175-200mm | PT99378 |
| 200-225mm | PT99379 |

Longer rods available by special order.



445MBZ



445MBZ-75RL



445MBZ-225RL

DEPTH MICROMETERS

449M

MICROMETER DEPTH GAUGES WITH NON-ROTATING BLADES

By holding the base in one hand, the 1.2 x 3.2mm blade can be turned with the fingers and positioned at any angle relative to the base. In operation, blade does not turn, but moves perpendicularly only, permitting depth measurement of narrow shoulders without the blade rolling off. This is also ideal for slots and recesses as narrow as 1.2mm. Furnished with a 100mm base.

Available with three rods for measuring 0-75mm, or six rods for measuring 0-150mm in 0.01mm.

This tool comes with the combination ratchet and speeder for uniform pressure and quicker adjustment.



449MBZ-75R

| Range | Base | Rods | Rod Dia. | Cat. No. |
|---------|-------|------|----------|-------------|
| 0-75mm | | 3 | 1.2 x | 449MBZ-75R |
| 0-150mm | 100mm | 6 | 3.2mm | 449MBZ-150R |

| Millimetre Reading Rods Only | |
|------------------------------|------------------------------|
| Size | Fits 449M Models Part No. |
| 0-25mm | PT99306 |
| 25-50mm | PT99307 |
| 50-75mm | PT99308 |
| 75-100mm | PT99309 |
| 100-125mm | PT99310 |
| 125-150mm | PT99311 |

Longer rods available by special order.

DIAL BORE GAUGES

3089

DIAL BORE GAUGES

- Standard: Starrett factory specification
- Ergonomic design, non slip grip and dial gauge protection shroud
- Tungsten carbide measuring faces
- Two point contact able to measure diameter, ovality and taper
- All anvils laser marked for easy selection



3089M-181-50J



| Cat No | Range | Resolution | Repeatability | Contacts | Spacers | Extension |
|----------------|-----------|------------|---------------|----------|---------|---------------------|
| 3089M-181-10J | 6-10mm | 0.01mm | ±0.01mm | 9 | - | - |
| 3089M-181-18J | 10-18mm | 0.01mm | ±0.01mm | 9 | 1 | - |
| 3089M-181-35J | 18-35mm | 0.01mm | ±0.01mm | 9 | 2 | - |
| 3089M-181-50J | 35-50mm | 0.01mm | ±0.01mm | 4 | 4 | - |
| 3089M-181-160J | 50-160mm | 0.01mm | ±0.01mm | 12 | 4 | 1 x 55mm |
| 3089M-181-250J | 160-250mm | 0.01mm | ±0.01mm | 5 | 5 | 1 x 50mm |
| 3089M-181-450J | 250-450mm | 0.01mm | ±0.01mm | 5 | 5 | 1 x 50mm, 1 x 100mm |

Extensions are available for bore gauges with range greater than 35mm.

Extension sizes: 250mm, 500mm, 1000mm, 1500mm and 2000mm.



INDICATORS

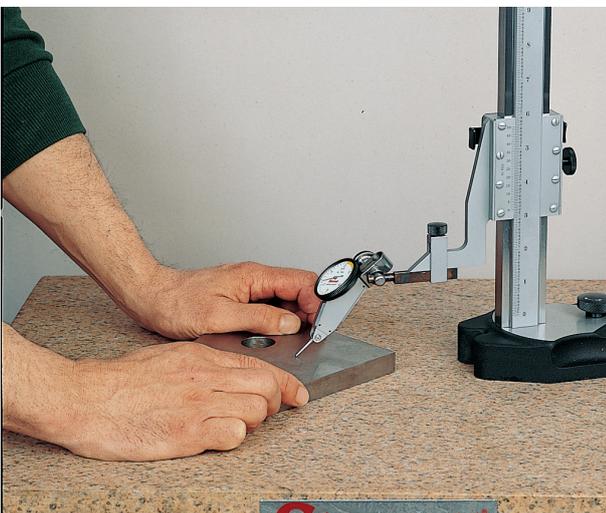
3808, 3809 & 3909 MECHANICAL TEST INDICATORS

- Standard: DIN 2270
- Precision gear driven design with smooth, jewelled movement
- Frictionally adjustable contact point reverses automatically, always maintaining clockwise hand specification
- All items with cat no. ending 'A' are supplied with 9.5mm and 4mm dovetail clamps – two attachments
- All items with cat no ending 'AC' are supplied with 9.5mm and 4mm dovetail clamps, 4mm swivel post holder, tool post holder, universal snug and post assembly – six attachments



3808MA

| Cat No | Range | Resolution | Dial Reading | Dial Face |
|---------|-------|------------|--------------|-----------|
| 3809MA | 0.8mm | 0.01mm | 0-40-0 | 40mm |
| 3809MAC | 0.8mm | 0.01mm | 0-40-0 | 40mm |
| 3909MA | 0.8mm | 0.01mm | 0-40-0 | 32mm |
| 3909MAC | 0.8mm | 0.01mm | 0-40-0 | 32mm |
| 3808MA | 0.2mm | 0.002mm | 0-100-0 | 40mm |
| 3808MAC | 0.2mm | 0.002mm | 0-100-0 | 40mm |



INDICATORS

3081 & 3025 MECHANICAL DIAL INDICATORS

- Standard: DIN 878
- Precision gears and pinions
- Upper protective cap on measuring spindle
- Adjustable tolerance markers and bezel lock

| Cat No | Range | Resolution | Stem Dia | Dial Reading | Dial Face |
|------------|-------|------------|----------|--------------|-----------|
| 3081-481/5 | 5mm | 0.01mm | 8mm | 0-100 | 43mm |
| 3025-481/5 | 5mm | 0.01mm | 8mm | 0-100 | 57mm |
| 3025-481 | 10mm | 0.01mm | 8mm | 0-100 | 57mm |
| 3025-681 | 20mm | 0.01mm | 8mm | 0-100 | 57mm |
| 3025-257J | 1mm | 0.001mm | 8mm | 0-200 | 57mm |



ELECTRONIC INDICATORS

2900 IP67 ELECTRONIC INDICATORS

- Standard: Starrett factory specification
- Plus or minus travel direction
- Metric / Inch conversion
- Zero at any spindle position
- Selectable resolution models available.
- Data output for 2900 series
- IP67 protection
- Manual / auto off after 10 minutes of non use

| Cat No | Range | Accuracy |
|-------------|-------------------------------------|----------|
| Data Output | | |
| 2900-1ME | 12mm / 0.5" | ±0.003mm |
| 2900-4ME | 12mm / 0.5" | ±0.003mm |
| 2900-6ME | 12mm / 0.5" | ±0.003mm |
| PT99492 | 3 Volt Battery, CR2032 (2 required) | |

| Functions | 2900-1ME | 2900-4ME | 2900-6ME |
|---|----------|----------|----------|
| Resolution | | | |
| 0.001mm / 0.00005" | X | | |
| 0.01mm / 0.001mm / 0.0005" / 0.0001" / 0.00005" | | X | X |
| 0.02mm / 0.01mm / 0.002mm / 0.001mm / 0.001" / 0.0005" / 0.0001" / 0.00005" | | | |
| 0.02mm / 0.01mm / 0.002mm / 0.001" / 0.0005" / 0.0001" | | | |
| Origin set, Zero Set | X | X | X |
| Counting Direction Switching (±) | X | X | X |
| SPC Output | X | X | X |
| Limit Set | | X | X |
| Value Preset | | X | X |
| Reading Hold | | X | X |
| Feature lock | | X | X |
| Max/Min/Runout Value Holding | | X | X |
| TIR Runout Value Holding | | | X |
| IP67 Protection | X | X | X |
| True Absolution Sensor Tech | X | X | X |
| Programmable Ratio | | | |
| Lug on Centre | X | X | |

IP PROTECTION

An IP number is composed of two numbers, the first referring to protection against solid objects and the second against liquids.

First number 6: Totally protected against dust

Second number 7: Protection against submersion in water under standardized conditions of pressure for 30 minutes



ELECTRONIC INDICATORS

3600 ELECTRONIC INDICATORS

The 3600 Electronic Indicators have simple, powerful, easy-to-use functions, all at an attractive price. Versions are available for inch/metric and metric only.

- Large, easy-to-read LCD
- Range: .500" or 12.7mm
- Resolution: .0005" or .01mm
- Power On/Off button
- Reverse travel (\pm control indicates direction)
- Zero setting at any position
- Long battery life
- 3/8" diameter stem for inch/mm model (8mm on metric-only model)
- 4-48 spindle thread on inch/mm model (M2.5 X .45 thread on metric-only model)
- Lug-on-centre back with additional flat back
- Dust cap
- Plastic storage case with clear cover



| Inch/mm | | | | |
|--------------|------|------------|------|----------|
| Range | | Resolution | | Cat. No. |
| Inch | mm | Inch | mm | |
| .500 | 12.7 | .0005 | 0.01 | 3600-5 |
| Metric-Only | | | | |
| | 12.7 | | 0.01 | 3600M-5 |
| Accessory | | | | |
| Description | | | | Cat. No. |
| SR44 Battery | | | | PT61918 |

SPECIAL FUNCTION INDICATORS

3015 PORTABLE DIAL THICKNESS GAUGES

- Standard: Starrett factory specification
- Lever to lift upper measuring spindle
- With flat measuring surface

| Cat No | Range | Resolution | Accuracy | Dial Reading | Throat depth |
|--------|-------|------------|---------------|--------------|--------------|
| 3015MA | 10mm | 0.01mm | ± 0.03 mm | 0-100 | 63mm |



3015MA

BACK PLUNGER INDICATORS

196

UNIVERSAL BACK PLUNGER DIAL INDICATORS

- Standard: Starrett factory specification
- Smooth and accurate operation
- Shank diameter is 6.3mm / 1/4"

| Cat No | Range | Resolution | Accuracy | Dial Reading | Contents |
|-------------------------|-------|------------|--|--------------|-------------------------|
| 196MA1Z | 5mm | 0.02mm | $\pm 0.02\text{mm} / \pm 0.001"$ (one graduation) anywhere on dial | 0-100 | 1,2,3,4,A,B,C,G in case |
| Hysteresis-1 graduation | | | | | |



196MB1

| Cat No | Description | Ref No |
|---------|------------------------------|--------|
| 196MR | Adapter (mm thread) | 1 |
| 196R | Adapter (4-48 thread) | 2 |
| PT05471 | Hardness steel contact point | 3 |
| PT05472 | Hardness steel contact point | 4 |



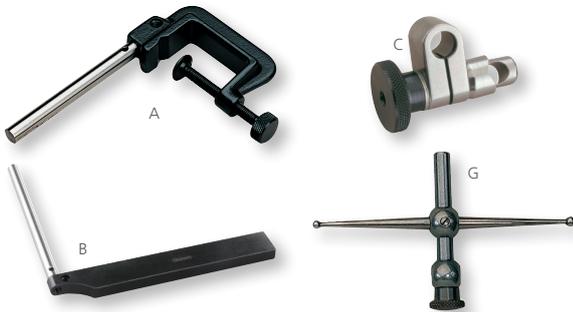
196R, 196MR



PT05471



PT05472



ATTACHMENTS

- A. Clamp PT99437 With a 33mm / 1-5/16" flat or round capacity – 8mm / 5/16" post (PT03709-1/2) used with PT18718 Snug
- B. Tool Post Holder PT99438 9.5 x 19 x 150mm / 3/8" x 3/4" x 6" with upright spindle (PT03820-0) 8 dia. x 114mm length / 5/16" x 4-1/2". Use with PT18718 Snug
- C. Snug Complete PT18718. Post hole has an 8mm / 5/16" diameter and 2.4 - 6.3 mm / 3/32-1/4" holding capacity. Can be used on our 252 Height Transfer Gauge, 57 and 257A and B Surface Gauges, on 657A Magnetic Base and Swivel Post Assembly
- G. Hole Attachment 196F. allows indicator be used over obstructions and inside holes to a depth of approximately 40mm / 1-5/8"

INDICATOR HOLDERS / STANDS

- The compact and versatile **660** magnetic base indicator holder has 3 adjustable pivots controlled by a single knob for fast, easy indicator positioning
- The **661** mini magnetic tool holder is a simple, versatile, effective and economical tool for a verity of indicator holder task
- The rigid design **3657AA** magnetic base indicator holder has a support arm with one joint and with fine adjustment
- The **3657MTW** flex-o-post indicator holder with magnetic base is an assembly of short tubular steel sections and precision ball joints, linked by an internal steel cable. It can be adjusted to any position and locked by turning a level near the magnetic base
- The **3206** outside micrometer stand converts an outside micrometer to a study bench gauge for batch inspection of small parts. The ball joint construction allows the head to be positioned as much as 30° off perpendicular in any direction.



660M



661M



3657AA



3657MTW



3206

| Cat No | Description | Dimension |
|---------|---|---|
| 660M | Magnetic stand with articulating arm, 8mm stem hole. 320N holding force | 36 x 30 x 35mm Base with overall height of 200mm |
| 661M | Mini magnetic stand with 6mm and 8mm stem hole. 170N holding force | 30mm dia. Base with overall height of 103mm |
| 3657AA | Magnetic stand with find adjustment, 3/8" and 8mm stem hole. 800N holding force | 63 x 55 x 50mm Base with overall height of 230mm |
| 3657MTW | Flex O post magnetic stand with fine adjustment. 800N holding force | 67 x 50 x 55mm base with overall height of 352mm |
| 3206 | Outside micrometer stand | 162 x 89 x 19mm base with tilting head capacity of 19mm thickness x 25mm throat depth |

STARRETT PRODUCT LINES...

POWER TOOL ACCESSORIES & HAND TOOLS

JOBSITE & WORKSHOP TOOLS

BAND SAW BLADES & MACHINES

PRECISION MEASURING TOOLS

WEBBER GAUGE BLOCKS

METROLOGY EQUIPMENT

LASER MEASUREMENT

PRECISION GRANITE

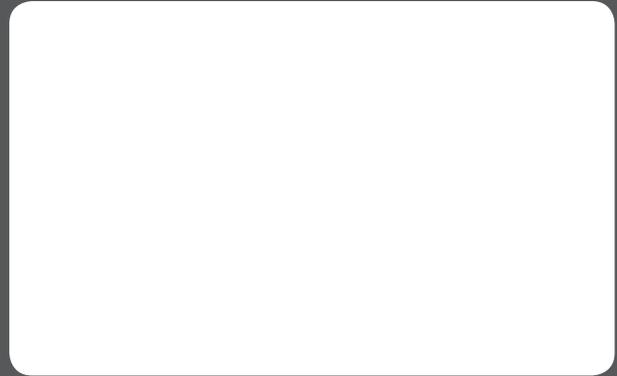
PRECISION GROUND SOLUTIONS

ROUNDNESS MEASUREMENT

FORCE MEASUREMENT

SERVICE & TECHNICAL SUPPORT

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