NEW!

Auto Tread PLUS+

Tire Gage

Reads In Continuous 1/32" Increments!

GREAT for Garage and Shop Environments!

- NOW Reads in 1/32" industry standard increments
- NOW IP54 protected against fluid and dust
- NEW Super-large LCD display, 14mm height
- NEW Easy access HOLD button
- Spring-loaded and hold measurement button for ease-of-use
- Range: 1"/25mm
- Resolution: 0.0005"/0.01mm (Fractions in 1/32" increments)
- 2.1" base
- 0.095" diameter rod
- Supplied in vinyl holster

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-225-505-0</td>
<td>Auto Tread Plus Tire Gage</td>
</tr>
</tbody>
</table>

GREAT for Garage and Shop Environments!

AutoMic PLUS+

Electronic Micrometer

GREAT for Garage and Shop Environments!

- Range: 0 - 1"/0 - 25mm
- Accuracy: 0.00015"/0.003mm
- Resolution: 0.00005"/0.001mm
- Super large LCD display, 14mm height
- IP54 protected against fluid and dust
- Anti-corrosive resistant ratchet thimble (anodized aluminum)
- Spindle lock
- Carbide tipped anvil and spindle
- SPC output
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-880-001-0</td>
<td>0 - 1&quot;/0 - 25mm Auto Mic Plus Electronic Micrometer</td>
</tr>
</tbody>
</table>
NEW!

Digi Level PLUS+

GREAT for Garage and Shop Environments!

- Super large 18mm backlit display
- Includes a 6" straight edge with beveled edge and 1/64th graduations
- V’s on top and bottom for measuring on cylindrical surfaces
- Embedded magnets on bottom base for vertical and horizontal hold
- IP65 protection
- Rechargeable battery
- USB charging cable supplied
- Auto inverting display

Included with Purchase!

6" Straight Edge PLUS
Useful for layout and alignment applications!

Order Number Description
---
74-422-550-0 Digi Level Plus

---

Straight Edges PLUS+

GREAT for Garage and Shop Environments!

- Beveled edge with 1/64th graduations
- Hardened steel for wear resistance
- Satin chrome finish on scale for easy and precise readings
- 0.21" thick, 1.59" wide for added rigidity
- Bore is positioned for easy storage
- Storage sleeve included

Order Number Description Straightness
---
72-480-065-0 6" 0.0015"
72-480-070-0 8" 0.0015"
72-480-075-0 12" 0.0015"
72-480-080-0 24" 0.0025"

Prices and specifications are subject to change without notice
Rotocal® Reach
Electronic Rotor Gage

- Range: 0 - 3.25"/0 - 82.5mm
- Resolution: 0.0005"/0.01mm (fractions in 1/64" increments)
- Water resistant to IP54 standards
- Floating zero
- Twin conical anvils with the ability to measure low points on both sides of the rotor
- Includes molded case

Measures most rotors while the wheels are still mounted on the vehicle!

(fits most applications)

INCH • METRIC • FRACTION

Order Number | Description
-------------|-------------
74-150-005-0  | Rotocal Reach

Prices and specifications are subject to change without notice
Electronic Rotor Gages

Order Number | Description |
-------------|-------------|
74-150-006-0 | Rotocal Electronic Rotor Gage |
74-150-004-0 | Rotocal Electronic Rotor Gage with Twin Conical Anvils |
74-150-002-0 | Rotocal Electronic Rotor Gage with 6" Extended Jaw Depth |
74-100-350-0 | Replacement battery |

- Range: 5.5"/140mm
- Reads in inch, metric, and fractions
- Direct inch/metric/fraction conversion
- Resolution: 0.0005"/0.01mm (fractions in 1/64" increments)
- Water resistant to IP54 standards
- Conical anvil for groove measurement
- 3.5" jaw depth for larger rotors
- Includes molded case

**with TWIN CONICAL ANVILS**
- Conical anvils measure scored surfaces.

**with 6" EXTENDED JAW DEPTH**
- 6" jaw depth.
- Includes wooden case

Dust, Water & Oil Resistant
**EZ-Drum**

**Electronic Brake Drum Gage**

- 4" to 20"/100 to 500mm Capacity
- Inch/Metric/Fraction Conversion
- 4" drum preset
- Zero set
- Hold function
- Preset depth at 1" and 1.5"
- Resolution 0.0005"/0.01mm (fractions in 1/64" increments)
- Protected to IP54 specifications
- Beam has vernier scale to double check reading
- Thumb lock
- Direct RS-232 output
- Can be used to check some disc measurements
- Includes wooden case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-150-050-0</td>
<td>EZ-Drum Reach Electronic Brake Drum Gage</td>
</tr>
</tbody>
</table>

**EZ-Drum Reach**

**Electronic Brake Drum Gage**

- 4"-18.7"/100-475mm capacity (internal measurements)
- Inch/metric/fraction conversion
- The included 4" setting master and 4" drum preset (101.60mm) ensure accurate internal measurements.
- Floating zero sets zero anywhere
- Hold function
- Resolution: 0.0005"/0.01mm/fractions in 1/64" increments
- Accuracy: 0.005"/0.13mm
- Dust, water and oil resistant to IP54 standards
- RS232 output for direct computer connection
- Beam has vernier scale to double check reading
- Conversion chart on back of main carriage
- Steel conical contact points
- Carriage lock screw
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-150-050-0</td>
<td>EZ-Drum Reach Electronic Brake Drum Gage</td>
</tr>
</tbody>
</table>
12" & 16" DRUM AND ROTOR MEASURING KITS

12" Kit

Drum and Rotor Kit features:
- Measures disc brakes and up to 12"/300mm or 16"/400mm on brake drums
- Includes set of clamps; 4 sets of set screws; 1 Allen wrench; 1 set of 3 3/4" contact points; 1 set of 3/4" cone contact points & 1 set of 3/4" flat contact points in plastic tube

16" Kit

Drum and Rotor Kit features:
- 16"/400mm Set includes 1 pair of 2" extensions
- When measuring brake drums only, add 8" to measurement—allows for long cone & jaw widths
- For use with 6" & 8" calipers

XTRA-VALUE CAL

Caliper features:
- Range: 6"/150mm
- Stainless steel frame
- Large easy-to-read display
- Resolution: 0.0005"/0.01mm
- Direct inch/metric conversion.
- 4-way measurement, inside, outside, depth and step
- Includes molded case

Dust, Water and Oil Resistant Caliper features:
- Dust, water and oil resistant to IP54 specifications
- Range: 6"/150mm
- Stainless steel frame
- Direct Inch/Metric conversion
- Accuracy: 0.001"/0.02mm
- Resolution: 0.0005"/0.01mm
- Large easy to read LCD display
- 4-way measurement, inside, outside, depth and step
- Includes molded case

Order Number Description
72-010-777-0 12"/300mm Drum and Rotor Kit
72-010-888-0 16"/400mm Drum and Rotor Kit
74-101-777-0 12"/300mm Drum and Rotor Kit with 6" Xtra-Value Cal
74-101-888-0 16"/400mm Drum and Rotor Kit with 6" Xtra-Value Cal
74-100-775-0 12"/300mm Drum and Rotor Kit with Dust, Water and Oil Resistant Caliper

Prices and specifications are subject to change without notice.
Extended Range Vernier Disc Brake Micrometer
- Sharp black graduations on satin chrome finish.
- Range: 0.3" - 1.7"
- Graduation: 0.0001"
- Jaw depth: 3.5"
- Ratchet thimble
- Carbide tipped measuring faces
- Includes case and measuring standard

Extended Range Digit Disc Brake Micrometers
**Inch/Metric**
- Fast, easy-to-read digit counter
- Range: 0.3" - 1.7"/10 - 45mm
- Digital counter reads 0.001"/0.01mm sleeve reads 0.0001"/0.01mm
- Ratchet thimble
- Carbide tipped measuring faces
- Includes case and measuring standard

Extended Range Digit Disc Brake Micrometer with Twin Conical Anvils
**Inch/Metric**
- Fast, easy-to-read digit counter
- Range: 0.3" - 1.7"/10 - 45mm
- Digital counter reads 0.001"/0.01mm sleeve reads 0.0001"/0.01mm
- Ratchet thimble
- Carbide tipped measuring faces
- Includes case and measuring standard

### Order Number Description

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-234-402-0</td>
<td>Extended Range Vernier Disc Brake Micrometer</td>
</tr>
<tr>
<td>72-234-422-0</td>
<td>Extended Range Digit Disc Brake Micrometer</td>
</tr>
<tr>
<td>72-234-423-0</td>
<td>Extended Range Digit Disc Brake Micrometer —Metric</td>
</tr>
<tr>
<td>72-234-522-0</td>
<td>Extended Range Digit Disc Brake Micrometer</td>
</tr>
<tr>
<td>72-234-523-0</td>
<td>Extended Range Digit Disc Brake Micrometer —Metric</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Vernier Disc Brake Micrometer

• Sharp black graduations on satin chrome finish
• Range: 0.3" - 1.3"
• Graduation: 0.0001"
• Jaw depth: 3.5"
• Ratchet thimble
• Carbide tipped measuring faces
• Includes case and measuring standard

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-234-202-0</td>
<td>Vernier Disc Brake Micrometer</td>
</tr>
</tbody>
</table>

Digit Counter Disc Brake Micrometers

• Fast, easy-to-read digit counter.
• Digital counter reads 0.001"/0.01mm sleeve reads .0001"/.01mm
• Jaw depth: 3.5"
• Ratchet thimble
• Carbide tipped measuring faces
• Includes case and measuring standard

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-234-222-0</td>
<td>0.3&quot; - 1.3&quot; Digit Counter Disc Brake Micrometer</td>
</tr>
<tr>
<td>72-234-223-0</td>
<td>7 - 32mm Digit Counter Disc Brake Micrometer</td>
</tr>
</tbody>
</table>

Electronic Extended Range Disc Brake Micrometer

• Range: 0.3" - 1.7"/7 - 44mm
• Resolution: 0.00005"/0.001mm
• IP54: Water, oil & resistant
• Jaw depth: 3.5"
• Friction thimble
• Carbide tipped measuring faces
• Auto-shutoff
• ABS/INC measurement
• Preset recall
• Direct Inch/Metric conversion
• Direct RS-232 output
• Includes case and measuring standard

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-860-434-0</td>
<td>Electronic Extended Range Disc Brake Micrometer</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Disc and Rotor/Ball Joint Gage

- Checks ball joint wear and disc rotor runout
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Meets state inspection requirements
- Indicator features 0 - 1" travel, and 0.001" graduation; Inch/Metric 1"/25mm, 0.001"/0.01mm grad.
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-520-717-0</td>
<td>Disc and Rotor/Ball Joint Gage</td>
<td>Premium Model</td>
</tr>
<tr>
<td>72-520-757-0</td>
<td>Disc and Rotor/Ball Joint Gage</td>
<td>Economy Model</td>
</tr>
<tr>
<td>72-520-730-0</td>
<td>Disc and Rotor/Ball Joint Gage</td>
<td>Inch/Metric Model</td>
</tr>
<tr>
<td>72-520-110-0</td>
<td>Indicator Only</td>
<td>Inch ONLY (0 - 1&quot;)</td>
</tr>
</tbody>
</table>

Disc and Rotor/Ball Joint Gage with X-Proof IP54 Shockproof Indicator

- Checks ball joint wear and disc rotor runout.
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Meets state inspection requirements
- Dust, water and Oil resistant Indicator features 0 - 1" travel, and 0.001" graduations
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-520-767-0</td>
<td>Disc and Rotor/Ball Joint Gage with X-Proof Indicator</td>
</tr>
</tbody>
</table>
Everything packed in a convenient, shop-hardened case!

**DISC AND ROTOR COMBO KITS**

**Combo Kit includes both...**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-520-451-0</td>
<td>Disc and Rotor Flex Chrome Kit</td>
</tr>
</tbody>
</table>

- Checks ball joint wear and disc rotor runout
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Corrosion resistant
- Chrome plated 12" flex arm
- Meets all state inspection requirements
- Indicator features 0 - 1" travel and 0.001" graduation

**Order Number**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inch Disc and Rotor Combo Kit</td>
</tr>
<tr>
<td>Metric Disc and Rotor Combo Kit</td>
</tr>
</tbody>
</table>
Anyform and Rotor Combo Kit

This kit provides a combination of holding applications. Use the vise grip and flex arm to check ball joint wear, brake and rotor runout. Attach the flex arm to the Anyform base for magnetically mounting on virtually any metallic surface.

Combo Kit includes both...

**Disc & Rotor/Ball Joint Gage**
- Checks ball joint wear and disc rotor runout
- Checks tire and wheel runout, gear backlash, valve guide wear, etc.
- Mounted to the vise grip the 12" flex arm can be set to almost any measuring position desired

**Anyform Magnetic Base**
- Indicator features 0-1" travel, and 0.001" graduations
- Fit mag base to any shape or form
- Magnetic segments conform to any odd shape
- Rigid one piece construction.
- 40 lb. pull

Everything packed in a convenient, shop-hardened case!

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-520-700-0</td>
<td>Anyform and Rotor Combo Kit</td>
</tr>
</tbody>
</table>

Disc Rotor Thickness Gage

Dial Gage is designed to check wearing of disc rotors. Also used to determine deviation in thickness of rotors as well depth of disc-scoring caused by worn brakes.

In compliance with state inspection requirements. Supplied with 1" setting standard.

- Range 0.300 - 1.300"
- Graduation 0.0005"
- Reading 0 - 50; 50 - 0
- Includes conical contact point

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-520-727-0</td>
<td>Disc Rotor Thickness Gage</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
**AutoCal Electronic Calipers**

**Great for Garage and Shop Environments!**

- Inch/Metric/Fraction reading: 0.0005"/0.01mm/1/128"
- Dust, water and oil resistant to IP54 standards making it great for garage and shop environments
- Heavy Duty frame for extra rigidity and wear
- Floating zero
- Super large, easy to read 14 x 52mm display
- 4-way measuring
- Combined thumbrest and thumbroll for fine adjustment
- Includes spare battery and fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-102-006-0</td>
<td>6&quot;/150mm AutoCal Electronic Caliper</td>
</tr>
<tr>
<td>74-102-012-0</td>
<td>12&quot;/300mm AutoCal Electronic Caliper</td>
</tr>
</tbody>
</table>

**FLIP PLUS Electronic Calipers**

**NEW!**

The Flip Display allows RIGHT or LEFT handed operation!

- Display flips 180° with display rotation function for true left handed operation
- Can also be positioned for top viewing
- Available in 6", 8" and 12" models
- 4-way measuring - OD, ID, depth and step
- Stainless steel frame
- Thumbroll for smooth measuring
- Heavy duty frame is 0.140"/3.5mm thick
- Resolution 0.0005"/0.01mm
- Floating zero
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-200-506-0</td>
<td>0 - 6&quot;/0 - 150mm</td>
<td>0.0012&quot;/0.03mm</td>
</tr>
<tr>
<td>74-200-508-0</td>
<td>0 - 8&quot;/0 - 200mm</td>
<td>0.0012&quot;/0.03mm</td>
</tr>
<tr>
<td>74-200-512-0</td>
<td>0 - 12&quot;/0 - 300mm</td>
<td>0.0016&quot;/0.04mm</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
Pro-Max Electronic Caliper

- Accuracy: ± 0.001"/0.02mm
- Range: 6"/150mm
- Resolution: 0.0005"/.01mm (fractions in 1/64th increments)
- Absolute incremental measurement
- Unique full-size decimal characters
- Dust, water and oil resistant to IP54 standards
- Stainless steel frame
- 4-way measuring
- Direct RS-232 output
- Includes molded plastic case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Max. Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-200-777-1</td>
<td>0-6&quot;/150mm</td>
<td>0.001&quot;/0.02mm</td>
</tr>
</tbody>
</table>

Caliper Jaw Attachments

- Clamps on to caliper jaws, allows attachment of standard micrometer anvils
- Used alone or in pairs
- Contacts can be mixed or offset for unique applications
- Max. caliper jaw thickness 0.135"
- Made of stainless steel

Contacts sold separately!

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-249-010-0</td>
<td>Caliper Jaw Attachment</td>
</tr>
<tr>
<td>72-249-001-0</td>
<td>Spline: 0.100&quot; dia.</td>
</tr>
<tr>
<td>72-249-002-0</td>
<td>Knife: 0.188&quot; x 0.031&quot; tip, 30° taper</td>
</tr>
<tr>
<td>72-249-003-0</td>
<td>Super Spline: 0.050&quot; dia.</td>
</tr>
<tr>
<td>72-249-004-0</td>
<td>Blade: 0.188&quot; x 0.031&quot;</td>
</tr>
<tr>
<td>72-249-005-0</td>
<td>Point: 0.020&quot; tip, 30° taper</td>
</tr>
<tr>
<td>72-249-006-0</td>
<td>Disc: 0.500&quot; dia.</td>
</tr>
<tr>
<td>72-249-007-0</td>
<td>Complete 7 piece Contact Set, includes 1 Ball Contact</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Dust, Water and Oil Resistant Electronic Calipers

• Dust, water and oil resistant to IP54 specifications.
• Stainless steel frame.
• Resolution: 0.0005"/0.01mm
• Large easy to read LCD display
• Absolute referencing
• 4-way measurement, inside, outside, depth and step
• Includes molded case
• Direct RS-232C output

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-100-777-2</td>
<td>0 - 6&quot;/0 - 150mm</td>
<td>0.001&quot;/0.02mm</td>
</tr>
<tr>
<td>74-100-712-2</td>
<td>0 - 12&quot;/0 - 300mm</td>
<td>0.0015&quot;/0.04mm</td>
</tr>
</tbody>
</table>

Ultra-Cal V Electronic Caliper

• IP67 rated against fluids and debris
• 4-way measurement, inside, outside, depth and step (6" & 8" models)
• Hardened stainless steel construction
• Direct RS-232 output
• Features Absolute/Relative Measuring Modes
• Thumbroll (6" model only)

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-100-067-1</td>
<td>6&quot;/150mm</td>
<td>0.0008&quot;/20µm</td>
<td>0.00005&quot;/0.01mm</td>
</tr>
</tbody>
</table>

 Connectivity Cables

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-115-526-0</td>
<td>Proximity cable with USB connection</td>
<td></td>
</tr>
<tr>
<td>74-115-527-0</td>
<td>Proximity cable with serial connection</td>
<td></td>
</tr>
</tbody>
</table>

Value Cal Electronic Calipers

• Stainless steel frame
• Resolution: 0.0005"/0.01mm
• Large easy to read LCD display
• Absolute referencing
• 4-way measurement, inside, outside, depth and step
• Includes molded case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-100-000-2</td>
<td>0 - 6&quot;/0 - 150mm</td>
<td>0.001&quot;/0.02mm</td>
</tr>
<tr>
<td>74-100-112-2</td>
<td>0 - 12&quot;/0 - 300mm</td>
<td>0.0015&quot;/0.04mm</td>
</tr>
</tbody>
</table>

Poly-Cal® Electronic Caliper

• Range: 6"/150mm
• Polycarbonate frame
• Large easy-to-read display
• Resolution 0.0005"/0.01mm
• Absolute/Incremental Measurement
• 4-way measuring
• Accuracy: ± 0.008"
• Supplied with vinyl pouch

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-101-175-0</td>
<td>Poly-Cal Electronic Caliper</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Electronic Calipers

- Hold feature
- Preset mode now includes offset for inside jaws
- All sizes feature fine adjustment screw
- Resolution: 0.0005"/0.01mm
- Absolute/Incremental Measurement
- 4-way measuring

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Display Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-101-150-2</td>
<td>6&quot;/150mm</td>
<td>Regular Display includes FREE NIST Cert.</td>
</tr>
<tr>
<td>74-101-600-1</td>
<td>6&quot;/150mm</td>
<td>Super Large Display with hold feature</td>
</tr>
<tr>
<td>74-101-200-1</td>
<td>8&quot;/200mm</td>
<td>Regular Display</td>
</tr>
<tr>
<td>74-101-800-1</td>
<td>8&quot;/200mm</td>
<td>Super Large Display with hold feature</td>
</tr>
<tr>
<td>74-101-300-1</td>
<td>12&quot;/300mm</td>
<td>Regular Display includes FREE NIST Cert.</td>
</tr>
<tr>
<td>74-101-900-1</td>
<td>12&quot;/300mm</td>
<td>Super Large Display with hold feature</td>
</tr>
</tbody>
</table>

Inch/Metric Vernier Calipers

- Range: 6"/150mm
- Graduations: 0.001"/0.02mm
- Jaw depth: 1.6" Hardened stainless steel construction
- Depth rod
- 4-way measurement, inside, outside, depth and step
- Includes fitted case

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>72-058-016-0</td>
<td>Inch/Metric Vernier Caliper w/fine adjustment</td>
</tr>
<tr>
<td>72-059-016-0</td>
<td>Inch/Metric Vernier Caliper w/thumb lock</td>
</tr>
</tbody>
</table>
Inch & Metric Dial Calipers

Inch Model:
- Range: 0 - 6"
- Range per revolution: 0.100"
- Graduation: 0.001"

Metric Model:
- Range: 0-150mm
- Range per revolution: 0.2mm
- Graduation: 0.02mm

Both Models:
- Thumbroll for rapid setting
- 4-way measurement, inside, outside, depth and step
- Hardened stainless steel throughout.
- Knurled lock assures precise settings
- Adjustable dial
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-008-007-0</td>
<td>Inch Caliper</td>
</tr>
<tr>
<td>72-015-020-0</td>
<td>Metric Caliper</td>
</tr>
</tbody>
</table>

Inch/Metric Reading Dial Calipers

- Range: 6"/150mm; 12"/300mm
- Graduations: 0.001"/0.02mm
- Dial face reads in both inch (black) and metric (red)
- Hardened stainless steel throughout
- 4-way measurement, inside, outside, depth and step
- Covered, stainless steel rack
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-030-006-0</td>
<td>6&quot; Inch &amp; Metric Reading Dial Caliper</td>
</tr>
<tr>
<td>72-030-012-0</td>
<td>12&quot; Inch &amp; Metric Reading Dial Caliper</td>
</tr>
</tbody>
</table>

Dial Cal Plus Dial Calipers

- IP54 rated against fluid and debris
- 4-way measurement
- 0.100" per revolution
- Thumbroll for fine adjustment
- Carriage lock screw
- Heavy duty stainless steel frame - 4mm thick
- Adjustable bezel with lock

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Accuracy</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-008-050-0</td>
<td>0 - 6&quot; - White-face</td>
<td>± 0.001&quot;</td>
<td>0.001&quot;</td>
</tr>
<tr>
<td>72-008-051-0</td>
<td>0 - 6&quot; - Black-face</td>
<td>± 0.001&quot;</td>
<td>0.001&quot;</td>
</tr>
<tr>
<td>72-008-052-0</td>
<td>0 - 150mm - White-face</td>
<td>± 0.03mm</td>
<td>0.02mm</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Shockproof Dial Calipers with Thumbroll!

• 4-way measurement
• Solid stainless steel construction.
• Silky smooth movement throughout
• 0.100" range per revolution

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Dial Face Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-008-704-0</td>
<td>0 - 4&quot;</td>
<td>White</td>
</tr>
<tr>
<td>72-008-714-0</td>
<td>0 - 4&quot;</td>
<td>Black</td>
</tr>
<tr>
<td>72-008-706-0</td>
<td>0 - 6&quot;</td>
<td>White</td>
</tr>
<tr>
<td>72-008-707-0</td>
<td>0 - 6&quot;</td>
<td>Black</td>
</tr>
<tr>
<td>72-008-712-0</td>
<td>0 - 12&quot;</td>
<td>White</td>
</tr>
</tbody>
</table>

Order Number Description
72-565-700-0 T-Bar Depth Base Attachment

T-Bar Depth Base Attachment

• Easily attaches to calipers for use in depth measurement
• Width: 3"
• Fits most 6" and 8" calipers

Caliper shown not included

Prices and specifications are subject to change without notice
Outside Micrometers

- 0.0001" graduations
- Measuring faces are carbide tipped
- Friction/ratchet style thimbles
- Insulated frames
- Positive lever-locking clamp
- Sizes over 1" include standard
- Includes wrench and fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Accuracy</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-229-201-0</td>
<td>Outside Micrometer</td>
<td>±0.00016&quot;</td>
<td>0 - 1&quot;</td>
</tr>
<tr>
<td>72-229-202-0</td>
<td>Outside Micrometer</td>
<td>±0.00016&quot;</td>
<td>1 - 2&quot; w/standard</td>
</tr>
<tr>
<td>72-229-203-0</td>
<td>Outside Micrometer</td>
<td>±0.0002&quot;</td>
<td>2 - 3&quot; w/standard</td>
</tr>
<tr>
<td>72-229-204-0</td>
<td>Outside Micrometer</td>
<td>±0.0002&quot;</td>
<td>3 - 4&quot; w/standard</td>
</tr>
<tr>
<td>72-229-205-0</td>
<td>Outside Micrometer</td>
<td>±0.00024&quot;</td>
<td>4 - 5&quot; w/standard</td>
</tr>
<tr>
<td>72-229-206-0</td>
<td>Outside Micrometer</td>
<td>±0.00024&quot;</td>
<td>5 - 6&quot; w/standard</td>
</tr>
</tbody>
</table>

Sets:
- 72-229-213-0 Outside Micrometer Set (See individual units) 0 - 3" w/standards
- 72-229-214-0 Outside Micrometer Set (See individual units) 0 - 4" w/standards

Metric Outside Micrometers

- 0.01mm graduations
- Measuring faces are carbide tipped
- Friction/ratchet style thimbles
- Insulated frames
- Positive lever-locking clamp
- Sizes over 25mm include standard
- Includes wrench and fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Accuracy</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-229-209-0</td>
<td>Metric Outside Micrometer</td>
<td>±0.004mm</td>
<td>0 - 25mm</td>
</tr>
<tr>
<td>72-229-210-0</td>
<td>Metric Outside Micrometer</td>
<td>±0.004mm</td>
<td>25 - 50mm</td>
</tr>
<tr>
<td>72-229-211-0</td>
<td>Metric Outside Micrometer</td>
<td>±0.005mm</td>
<td>50 - 75mm</td>
</tr>
<tr>
<td>72-229-212-0</td>
<td>Metric Outside Micrometer</td>
<td>±0.005mm</td>
<td>75 - 100mm</td>
</tr>
</tbody>
</table>

Sets:
- 72-229-220-0 Metric Outside Micrometer Set (See individual units) 0 - 100mm w/standards
- 72-229-215-0 Metric Outside Micrometer Set (See individual units) 0 - 75mm w/standards

Prices and specifications are subject to change without notice
### Outside Inch Micrometer

- Satin chrome finished forged steel frame
- Microfine black graduations
- Anvil and spindle hardened and precision ground, with microlapped ends
- Positive locking clamp
- Friction/Ratchet style thimble
- Carbide faces on anvil and spindle
- Diameter of measuring faces: 0.256"
- Graduation: 0.0001"
- Includes fitted case and wrench

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-235-001-1</td>
<td>Outside Inch Micrometer</td>
<td>0-1&quot;</td>
</tr>
</tbody>
</table>

### Digit Counter Outside Micrometers

- Digital counter reads 0.001"/0.1mm sleeve reads 0.0001"/0.01mm
- Carbide tipped measuring faces
- Insulated frames
- Spindle thread is hardened, ground and lapped
- Ratchet stop thimble on all models
- Positive locking nut on spindle
- Sizes over 1" include standard
- Includes wrench and fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-224-001-0</td>
<td>Outside Inch Micrometer</td>
<td>0 - 1&quot;</td>
<td>±0.00016&quot;</td>
</tr>
<tr>
<td>72-224-002-0</td>
<td>1 - 2&quot; w/standard</td>
<td>±0.00016&quot;</td>
<td></td>
</tr>
<tr>
<td>72-224-003-0</td>
<td>2 - 3&quot; w/standard</td>
<td>±0.0002&quot;</td>
<td></td>
</tr>
<tr>
<td>72-224-004-0</td>
<td>3 - 4&quot; w/standard</td>
<td>±0.0002&quot;</td>
<td></td>
</tr>
<tr>
<td>72-224-009-0</td>
<td>0 - 25mm</td>
<td>±0.0004mm</td>
<td></td>
</tr>
<tr>
<td>Sets</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72-224-103-0</td>
<td>0 - 3&quot; w/standard</td>
<td>(See individual units)</td>
<td></td>
</tr>
<tr>
<td>72-224-104-0</td>
<td>0 - 4&quot; w/standard</td>
<td>(See individual units)</td>
<td></td>
</tr>
<tr>
<td>72-224-220-0</td>
<td>0 - 75mm w/standard</td>
<td>(See individual units)</td>
<td></td>
</tr>
</tbody>
</table>

### Individual Micrometer Standards

- Measuring faces 0.315" diameter
- Standards come with heat insulating covers
- Measuring faces hardened and precision ground with microlapped finish
- Meets or exceeds Federal accuracy specs.

<table>
<thead>
<tr>
<th>Inch</th>
<th>Order Number</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-227-001-1</td>
<td>1&quot;</td>
<td></td>
</tr>
<tr>
<td>72-227-002-1</td>
<td>2&quot;</td>
<td></td>
</tr>
<tr>
<td>72-227-003-1</td>
<td>3&quot;</td>
<td></td>
</tr>
<tr>
<td>72-227-004-1</td>
<td>4&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Metric</th>
<th>Order Number</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-227-221-0</td>
<td>25mm</td>
<td></td>
</tr>
<tr>
<td>72-227-222-0</td>
<td>50mm</td>
<td></td>
</tr>
<tr>
<td>72-227-223-0</td>
<td>75mm</td>
<td></td>
</tr>
<tr>
<td>72-227-224-0</td>
<td>100mm</td>
<td></td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
**Xtra-Value II Electronic Micrometer**

- Jet black, grey enamel finish
- Large LCD display
- Resolution: 0.00005"/0.001mm
- Direct RS-232 output.
- Carbide measuring faces
- Absolute and incremental modes
- Ratchet thimble
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-870-001-0</td>
<td>0 - 1”/0 - 25mm</td>
<td>± 0.00016”/0.004mm</td>
</tr>
</tbody>
</table>

**Water Resistant Electronic Micrometer**

- Protected to IP54 specification
- Large LCD Display
- Automatic switch off
- Resolution: 0.00005"/0.001mm
- Direct RS-232 output
- Friction thimble
- Carbide measuring faces
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-860-001-1</td>
<td>0 - 1”/0 - 25mm</td>
<td>± 0.00016”/0.004mm</td>
</tr>
</tbody>
</table>

**Electronic Outside Micrometer**

- Protected to IP54 specifications
- Rugged steel design
- Large LCD display
- Absolute & incremental modes
- Automatic switch off
- Resolution: 0.00005"/0.001mm
- Direct RS-232 output
- Ratchet thimble
- Carbide measuring faces
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-815-001-2</td>
<td>0 - 1”/0 - 25mm</td>
<td>± 0.00016”/0.004mm</td>
</tr>
</tbody>
</table>
Economy Depth Micrometers

- Satin chrome finish
- Base surface hardened, ground & lapped
- Ratchet thimble
- Locking clamp
- 0.001" Graduation
- Rod diameter: 0.176"
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range</th>
<th>Graduation</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-225-110-0</td>
<td>0 - 4&quot;</td>
<td>0.001&quot;</td>
<td>2.5&quot;</td>
</tr>
<tr>
<td>72-225-112-0</td>
<td>0 - 6&quot;</td>
<td>0.001&quot;</td>
<td>2.5&quot;</td>
</tr>
<tr>
<td>72-225-114-0</td>
<td>0 - 4&quot;</td>
<td>0.001&quot;</td>
<td>4&quot;</td>
</tr>
<tr>
<td>72-225-116-0</td>
<td>0 - 6&quot;</td>
<td>0.001&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

0 - 6" Digit Counter Depth Micrometers

- Range: 0 - 6"
- Easy to read Digit Counter
- 0.001" Graduations
- 6 Rods
- Satin chrome finish
- Ratchet thimble
- Locking clamp
- Rod diameter: 0.176"
- Includes wrench and fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Graduations</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-225-176-0</td>
<td>0.001&quot;</td>
<td>2.5&quot;</td>
</tr>
<tr>
<td>72-225-226-0</td>
<td>0.001&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

0 - 22" Depth Gage

X-DEPTH 22®
Twice the range of competitive products!
- 0 - 1" travel indicator
- 0.001" graduations
- Rods connect together for full 22" capacity
- Satin chrome finish
- Base size: 4"
- Includes 2 extra points for small hole applications; one 0.078" dia. x 1" long and one needle point x 1" long
- Includes shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Graduation</th>
<th>Base</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-125-006-1</td>
<td>0.001&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
**Economy Depth Micrometers**

Tire Gage

- Spring-loaded and hold measurement button for ease-of-use
- Super-large display
- Travel: 0 - 1"/25mm
- Range: 0 - 16"/400mm
- Resolution: 0.0005"/0.01mm
  (Fractions in 1/64" increments)
- Supplied in vinyl holster
- 2.1" base
- 0.095" diameter rod

**X-Tread® Tire Gage**

For tire tread thickness measurement!
**Reads in inch, metric and fractions!**

- Spring-loaded and hold measurement button for ease-of-use
- Super-large display
- Range: 1"/25mm
- Resolution: 0.0005"/0.01mm
  (Fractions in 1/64" increments)
- Supplied in vinyl holster
- 2.1" base
- 0.095" diameter rod

**X-Tread® Tire Tread Gage and Pressure Gage Set**

**X-Tread Electronic Tread Depth Gage**
- Reads in Inch, Metric and Fractions!
- Spring-loaded and hold measurement button for ease-of-use
- Super-large display
- Range: 1"/25mm
- Resolution: 0.0005"/0.01mm
  (Fractions in 1/64" increments)
- Supplied in vinyl holster

**Electronic Tire Pressure Gage**
- Portable with key ring attachment
- Hold feature
- Quickly and accurately take pressure readings

---

**Order Number** | **Description**
---|---
74-225-555-0 | X-Tread® Tire Gage
74-225-500-0 | X-Tread® Tire Tread Gage and Pressure Gage Set
74-225-525-0 | Tire Tread Gage & Pressure Gage Set

*Prices and specifications are subject to change without notice*
**Toolmaker Universal Measuring Set**

- 6" Dial Caliper - 0.001" graduations (Part No. 72-008-007-0 see page 17)
- 0-1" Micrometer - 0.0001" graduations (Part No. 72-229-201-0 see page 19)
- 6" Flexible rule with 32nds, 64ths, 10ths & 100ths graduations (Part No. 72-300-009-0 page 52)
- All contained in a fitted, shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-095-007-0</td>
<td>Toolmaker Universal Measuring Set</td>
</tr>
</tbody>
</table>

**Mechanics Measuring Set**

- 0 - 6" One-Rev Shockproof Dial Caliper with 0.001" graduations on a black dial face with orange needle (Part No. 72-008-707-0 see page 18)
- 0 - 1" Outside Micrometer with 0.0001" graduations and insulated frame (Part No. 72-229-201-0 see page 19)
- 6" EZ-Read Steel Rule (Part No. 72-297-006-0 page 52)
- All contained in a fitted, shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-229-711-0</td>
<td>Mechanics Measuring Set</td>
</tr>
</tbody>
</table>

**Electronic Caliper & Micrometer Measuring Set**

- 6"/150mm Electronic Caliper (Part No. 74-100-000-2 see page 15)
- 0-1"/25mm Electronic Micrometer (Part No. 74-870-001-0 see page 21)
- All contained in a fitted, shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-004-850-0</td>
<td>Electronic Caliper &amp; Micrometer Measuring Set</td>
</tr>
</tbody>
</table>

**Water Resistant Electronic Measuring Set**

- Caliper and Micrometer are protected to IP54 standards
- 0-6"/150mm IP54 Electronic Caliper (Part No. 74-100-777-2 see page 15)
- 0-1"/25mm IP54 Electronic Micrometer (Part No. 74-860-001-0 see page 21)
- All contained in a fitted, shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-004-877-0</td>
<td>X-Proof Water Resistant Electronic Measuring Set</td>
</tr>
</tbody>
</table>
## X-PROOF IP54 Electronic Measuring Set
- Caliper and Micrometer are protected to IP54 standards
- All contained in a fitted, shop-hardened case

### 6”/150mm Euro-Cal IV
- (Part No. 74-100-330-1 see page 14)
- Reads in Inch, Metric and Fractions
- Resolution: 0.0005”/0.01mm
  (fractions in 1/64th increments)

### Electronic Micrometer
- (Part No. 74-815-001-2 see page 21)
- Range: 0 - 1”/0 - 25mm
- Resolution: 0.00005”/0.001mm

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-004-875-0</td>
<td>IP54 Electronic Measuring Set</td>
</tr>
</tbody>
</table>

## Black Face Measuring Set
- Black face Indicator  (Part No. 72-562-778-0 see page 36)
- 6” Shockproof Dial Caliper with thumbroll
  (Part No. 72-008-707-0 see page 18)
- 0 - 1” Outside Micrometer
  (Part No. 72-229-201-0 see page 19)
- All contained in a fitted, shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-229-770-0</td>
<td>Black Face Measuring Set with Indicator</td>
</tr>
<tr>
<td>72-229-710-0</td>
<td>Black Face Measuring Set without Indicator</td>
</tr>
</tbody>
</table>

## XTRA-VALUE Depth Gage and Poly-Cal® Set
**Poly-Cal**
- (Part No. 74-101-175-0 see page 15)
  - Range 6”/150mm
  - Polycarbonate frame
  - Resolution: 0.0005”/0.01mm, fractions by 1/64 increments

**Xtra-Value Depth Gage**
- (Part No. 74-225-555-0 see page 23)
  - Spring-loaded with a hold measurement button for ease-of-use
  - Super-large display
  - Travel: 0 - 1”/25mm
  - Application range: 0 - 22”/550mm
  - Resolution: 0.0005”/0.01mm
  (Fractions in 1/64” increments)
  - Supplied in shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-004-255-0</td>
<td>Poly-Cal</td>
</tr>
<tr>
<td>74-004-255-0</td>
<td>Xtra Value Depth Gage and Poly-Cal Set</td>
</tr>
</tbody>
</table>

## XTRA-VALUE Depth Gage and Euro-Cal IV Set
**Euro-Cal IV**
- (Part No. 74-100-330-1 see page 14)
  - Range: 6”/150mm
  - Water resistant to IP54 standards.
  - Resolution: 0.0005”/0.01mm, fractions by 1/64 increments

**Xtra-Value Depth Gage**
- (Part No. 74-225-555-0 see page 23)
  - Spring-loaded with a hold measurement button for ease-of-use
  - Super-large display
  - Travel: 0 - 1”/25mm
  - Application range: 0 - 22”/550mm
  - Resolution: 0.0005”/0.01mm
  (Fractions in 1/64” increments)
  - Supplied in shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-004-330-0</td>
<td>Xtra Value Depth Gage and Euro-Cal IV Set</td>
</tr>
</tbody>
</table>
Shockproof Dial Caliper & Depth Attachment Combo with Wooden Case

Shockproof Dial Caliper:
• Tough shockproof design
• 4-way measuring
• Solid stainless steel construction
• Silky-smooth movement throughout
• 0.100” range per revolution
• 0.001” reading dial face

Available with White or Black Face

Depth Attachment:
• Attaches quickly
• Positive locking screw
• Precision-ground contact surface

Packed in a custom-fit wooden case!

Order Number | Description
-------------|------------------
72-008-700-0  | Combo with 6” Whiteface Shockproof Dial Caliper
72-008-710-0  | Combo with 6” Blackface Shockproof Dial Caliper
72-100-002-0  | Wooden Case Only

XTRA-VALUE CAL & Depth Attachment Combo with Wooden Case

Xtra-Value Caliper:
• Accuracy: ± 0.001”/0.02mm
• Range: 6”/150mm
• Large easy-to-read display
• Resolution: 0.0005”/0.01mm
• Direct inch/metric conversion
• Absolute/incremental measurement
• 4 way measuring

Depth Attachment:
• Attaches quickly
• Positive locking screw
• Precision-ground contact surface

Packed in a custom-fit wooden case!

Order Number | Description
-------------|------------------
74-008-715-0  | Xtra-Value Caliper & Depth Attachment Combo
72-100-002-0  | Wooden Case Only

Prices and specifications are subject to change without notice
The Digi-Pro electronic protractor includes embedded magnets for unique measurement areas. On/Off, Zero, Hold and Reverse feature to invert the display for easier reading in certain situations.

- Embedded 25 lb. pull magnets
- Full, 360° measuring range
- Accuracy: ± 0.2°
- Repeatability: ± 0.05°
- Resolution: 0.05°
- Invertible display feature
- Uses standard 3V lithium battery
- US Patent 7,726,034

**USE THE DIGI-PRO TO MAKE FAST AND ACCURATE ANGULAR MEASUREMENTS**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Range/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-440-740-1</td>
<td>4&quot; Digi-Pro Electronic Protractor</td>
</tr>
<tr>
<td>74-440-775-1</td>
<td>12&quot; Digi-Pro Electronic Protractor</td>
</tr>
</tbody>
</table>

**Xtra-Value Digi-Level**

The Xtra Value Digi-Level provides instant 360° digital inclination display of any angle, aluminum housing, with large LCD, reading hold, absolute 0° at sea level.

- Measuring Range: 360° (4 x 90°)
- Resolution: 0.05°
- Accuracy: ± 0.2° maximum error
- Repeatability: ± 0.05°
- Dimension: 4" L x 1" W x 3" H
- Voltage: Standard 9V Battery
- Battery Life: up to 250 hrs.
- Operating Temp: -5°C to 50°C (23°F to 122°F)
- Storage Temp: -20°C to 65°C (-4°F to 176°F)
- Weight: 1.1 lbs.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-422-444-0</td>
<td>Xtra-Value Digi-Level</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
**Xtra-Value 9" Electronic Level**

Fowler’s 9" Laser Level provides instant 4 x 90° digital inclination display. With embedded magnets on its measuring surface, a beam splitter projects a 90° laser cross hair for leveling at-a-distance. It also includes a 1/4-20 mount for tripod use.

- Measuring range: 4 x 90°
- Resolution: 0.05°
- Accuracy: ± 0.1°
- Repeatability: ± 0.05
- Standard 9 volt battery (250 hours life)
- Dimensions: 9"L x 1"W x 2-1/4"H
- Includes two-way level and plumb vials
- Reversible reading for inverted use

**Order Number** | **Description**
--- | ---
74-440-600-0 | Xtra-Value 9" Electronic Level

---

**Mini-Mag Protractor**

The mini-Mag Protractor provides instant 360° digital inclination display of any angle with the additional unique feature of embedded magnets on both sides and the bottom which make it ideal for a variety of measurements.

- Embedded magnets with 3.5lb. pull
- Uses standard 9V battery (250 hrs.)
- Measuring range: 360° (4 x 90°)
- Display inverts
- Resolution: 0.05°
- Accuracy: ± 0.2°
- Repeatability: 0.05°
- Hold feature

**Dimensions:**
L: 2.375” x W: 1.375” x H: 2.375”

**Order Number** | **Description**
--- | ---
74-422-450-1 | Mini-Mag Protractor

---

**Mini-Mag Plus**

The Mini-Mag PLUS Protractor features a USB rechargeable battery, a backlit display, Tilt% function and IP54 protection against water, oil, and fluids.

- IP54 protected against debris and fluids
- USB rechargeable battery with status light (cable included)
- 6 month battery life
- Backlit display
- Tilt% function
- Auto off after 5 minutes
- Embedded magnets
- Measuring range: 360° (4 x 90°)
- Display automatically inverts
- Resolution: 0.05°
- Accuracy: ± 0.2°
- Repeatability: 0.05°
- Hold feature
- Zero function
- Smaller size: 2.12” x 2.12” x 0.9”
- Light weight: 2.7 oz.

**Order Number** | **Description**
--- | ---
74-422-500-0 | Mini-Mag Plus

---

**NEW!**

**Dust, Water & Oil Resistant**

---

Prices and specifications are subject to change without notice.
Magnetic Bases & Indicators

NEW!

CHROME FLEX MAG SET
with Anyform Base and X-PROOF® Indicator

Flex Arm Anyform Mag Base features:
- Corrosion resistant chrome plated flex arm
- Holds rigidly in almost any position.
- 40 lb. pull magnet
- Versatile—70 steel segments work like a contour gage to fit the mag base securely to practically any shape or form

X-Proof IP54 Indicator features:
Specifications:
- Robust, shockproof design
- Travel: 1"
- Reading: 0.001"
- Continuous reading: 0 - 100
- Tolerance markers
- AGD Group 2, 2-1/4" dia.
- Lugback and carbide point

Protection Includes:
- Rubber bellows on stem
- O-ring seal on safety cap
- O-ring protection for bezel and rotating dial
- Sealed back plate

All in a shop-hardened case!

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Dial Face Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-585-245-0</td>
<td>Chrome Flex Mag w/Anyform Base and X-Proof Indicator Set</td>
<td>White</td>
</tr>
<tr>
<td>72-585-255-0</td>
<td>Chrome Flex Mag w/Anyform Base and X-Proof Indicator Set</td>
<td>Black</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
Magnetic Base & White Face Indicator without Fine Adjust

**Magnetic Base (72-585-005-0):**
- Accepts all AGD dial indicators
- Base dimensions: 2" x 2-11/32" x 1-13/16"
- V-base for placing on round surfaces
- Mounts test indicators with 1/4" posts
- Magnet features 85 lb. pull
- On-Off lever release magnet

**Indicator (72-520-110-0):**
- Range: 0-1"
- Graduation: 0.001"
- Meets AGD specifications
- Continuous reading 0 - 100
- Revolution counter
- Tolerance indicators

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-585-115-0</td>
<td>Indicator &amp; Base</td>
</tr>
<tr>
<td>72-520-110-0</td>
<td>Indicator Only</td>
</tr>
<tr>
<td>72-585-005-0</td>
<td>Magnetic Base without fine adjust Only</td>
</tr>
</tbody>
</table>

Magnetic Base & Black Face Indicator with Fine Adjust

**Magnetic Base (72-585-010-0):**
- Fine adjustment
- Base dimensions: 2" x 2-11/32" x 1-13/16"
- Also mounts test indicators with 1/4" post.
- 85 lb. pull
- On-Off lever release magnet
- V-base for placing on round surfaces

**Indicator (72-520-109-0):**
- Range: 0 - 1"
- Graduation: 0.001"
- Meets AGD specifications
- Continuous reading 0 - 100
- Revolution counter
- Tolerance indicators

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-520-199-0</td>
<td>Indicator &amp; Base</td>
</tr>
<tr>
<td>72-520-109-0</td>
<td>Indicator Only</td>
</tr>
<tr>
<td>72-585-010-0</td>
<td>Magnetic Base w/ fine adjust Only</td>
</tr>
</tbody>
</table>

**AUTO TOOL CRIB BEST SELLER!**

Prices and specifications are subject to change without notice.
Fine Adjust Mag Base Set with Mag Back
With indi-Xblue Electronic Indicator or AGD White face Indicator

Included Magnetic Indicator Back for mounting to most metal surfaces!

AGD Indicator features:
- AGD Group 2
- Dial diameter: 2-1/4"
- Travel: 1"
- Reading: 0.001"
- Continuous reading: 0 - 100
- Carbide tipped point

Magnetic Indicator Back features:
- Use for positioning the indicator on most metal surfaces
- Protective coating

Indi-X Blue Indicator features:
- Direct Inch/Metric Conversion
- 1"/25mm travel
- 2-1/4" dial face
- Lugback and 3/8" stem diameter
- Resolution 0.0005"/0.01mm
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

Magnetic Base features:
- 85 lb. pull
- Fine adjustment
- V-bottom base

See the Indi-X Blue on page 37!

All in a shop-hardened case.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-58S-075-0</td>
<td>Fine Adjust Mag Base Set with Indi-X Blue Electronic Indicator Set</td>
</tr>
<tr>
<td>72-58S-125-0</td>
<td>Fine Adjust Mag Base with AGD White Face Indicator Set</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
Articulating Mag Base and Indicator Combos

Tired of adjusting your flex arm?

More flexibility than flex-arm type base!

Can be set up in almost unlimited positions!

AGD Indicator
- 1" travel
- Continuous reading: 0 - 100.
- AGD group 2, 2-1/4" dial diameter
- Revolution counter
- Tolerance markers
- Lug back mount
- Carbide point

Articulating Mag Base:
- Adjust in almost unlimited ways
- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Indi-X blue FRACTION
Electronic Indicator:
- Direct Inch/Metric/Fraction Conversion
- Auto Off feature
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Resolution 0.0005"/0.01mm/64ths
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

Articulating Mag Base:
- Adjust in almost unlimited ways
- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Sets includes shop-hardened case!

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AGD Indicator
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- Revolution counter
- Tolerance markers
- Lug back mount
- Carbide point

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- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Indi-X blue FRACTION
Electronic Indicator:
- Direct Inch/Metric/Fraction Conversion
- Auto Off feature
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
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- Tolerance indicators
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- Tolerance markers
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- Carbide point

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Electronic Indicator:
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- Auto Off feature
- 2-1/4" dial face
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- Resolution 0.0005"/0.01mm/64ths
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

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- 1" travel
- Continuous reading: 0 - 100.
- AGD group 2, 2-1/4" dial diameter
- Revolution counter
- Tolerance markers
- Lug back mount
- Carbide point

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- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Indi-X blue FRACTION
Electronic Indicator:
- Direct Inch/Metric/Fraction Conversion
- Auto Off feature
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Resolution 0.0005"/0.01mm/64ths
- Tolerance indicators
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- Continuous reading: 0 - 100.
- AGD group 2, 2-1/4" dial diameter
- Revolution counter
- Tolerance markers
- Lug back mount
- Carbide point

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- Adjust in almost unlimited ways
- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Indi-X blue FRACTION
Electronic Indicator:
- Direct Inch/Metric/Fraction Conversion
- Auto Off feature
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Resolution 0.0005"/0.01mm/64ths
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- Absolute/incremental reading
- Floating zero
- Carbide tipped point

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- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Sets includes shop-hardened case!

Tired of adjusting your flex arm?

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Can be set up in almost unlimited positions!

AGD Indicator
- 1" travel
- Continuous reading: 0 - 100.
- AGD group 2, 2-1/4" dial diameter
- Revolution counter
- Tolerance markers
- Lug back mount
- Carbide point

Articulating Mag Base:
- Adjust in almost unlimited ways
- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Indi-X blue FRACTION
Electronic Indicator:
- Direct Inch/Metric/Fraction Conversion
- Auto Off feature
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Resolution 0.0005"/0.01mm/64ths
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

Articulating Mag Base:
- Adjust in almost unlimited ways
- Fine adjust
- 85 lb. pull
- V-slot on base for mounting on rounded surfaces

Sets includes shop-hardened case!

Tired of adjusting your flex arm?

More flexibility than flex-arm type base!

Can be set up in almost unlimited positions!
**Flex Arm Base & White Face Dial Indicator Combo**

**Flex-Arm Mag Base (72-585-015-0):**
- 85 lb. pull
- Holds rigidly in any position desired
- V-base for placing on round surfaces
- On-Off lever release magnet

**Indicator (72-520-110-0):**
- 1" travel
- AGD group 2
- 2-1/4" dial diameter
- Reading: 0.001"
- Continuous reading: 0-100
- Revolution counter
- Tolerance indicators

---

**Order Number** | **Description**
--- | ---
72-641-300-0 | Indicator & Base
72-520-110-0 | Indicator Only
72-585-015-0 | Flex-arm Magnetic Base Only

---

**CHROME FLEX MAG SET**

**With Indi-X Blue Electronic Indicator or AGD Black face Indicator**

**Indi-X Blue Indicator features:**
- Direct Inch/Metric Conversion
- 1"/25mm travel
- 2-1/4" dial face
- Lugback and 3/8" stem diameter
- Resolution 0.0005"/0.01mm
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

**Flex Arm Mag Base features:**
- Corrosion resistant chrome plated flex arm
- 85 lb. pull magnet
- Holds rigidly in almost any position.
- V-base for mounting on rounded surfaces

**Magnetic Indicator Back features:**
- Use for positioning the indicator on most metal surfaces
- Protective coating

**AGD Indicator features:**
- AGD Group 2
- Dial diameter: 2-1/4"
- Travel: 1"
- Reading: 0.001"
- Continuous reading: 0 - 100
- Carbide tipped point

---

**Order Number** | **Description**
--- | ---
74-585-100-0 | Chrome Flex Mag and Indi-X Blue Electronic Indicator Set
72-585-500-0 | Chrome Flex Mag and AGD Black Face Indicator Set

---

Prices and specifications are subject to change without notice.
**X-PROOF® Water Resistant Indicator Set**

**CHROME FLEX MAG SET®**

*With X-PROOF™ Indicator*

**Flex Arm Mag Base features:**
- Corrosion resistant chrome plated flex arm
- 85 lb. pull magnet
- Holds rigidly in almost any position
- V-base for mounting on rounded surfaces

**Magnetic Indicator Back features:**
- Use for positioning the indicator on most metal surfaces
- Protective coating

**X-Proof IP54 Indicator features:**
- Robust, shockproof design
- Travel: 1"
- Reading: 0.001"
- Continuous reading: 0 - 100
- Tolerance markers
- AGD Group 2, 2-1/4" dia.
- Lugback and carbide point
- Robust, shockproof design
- Rubber bellows on stem
- O-ring seal on safety cap
- O-ring protection for bezel and rotating dial
- Sealed back plate

**Protection Includes:**
- Rubber bellows on stem
- O-ring seal on safety cap
- O-ring protection for bezel and rotating dial
- Sealed back plate

**All in a shop-hardened case!**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Dial Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-585-155-0</td>
<td>X-Proof Water Resistant Indicator Set</td>
<td>N/A</td>
</tr>
<tr>
<td>72-585-450-0</td>
<td>Chrome Flex Mag and X-Proof Indicator Set</td>
<td>White</td>
</tr>
<tr>
<td>72-585-455-0</td>
<td>Chrome Flex Mag and X-Proof Indicator Set</td>
<td>Black</td>
</tr>
</tbody>
</table>

**NEW!**
**Indicator & Mini Mag Set**

- AGD group 1 indicator
- 0.250" range
- 0.001" graduations, 0-100 reading
- Tolerance markers
- Carbide contact point
- Mag base with fine adjust (also accepts test indicators with dovetails), base measures 1.8" x 1.2"
- On/off switch for secure holding and easy removal
- 37 lbs. of magnetic pull
- 22 piece contact point set — flat, radius, cone and spline type contacts
- Fitted aluminum case

NEW!

**Order Number** | **Description**
--- | ---
72-585-310-0 | Indicator & Mini Mag Set

**HOLDXTEC Holding Systems**

- All accept 3/8" indicators
- Mag base and HOLD-TEC with fine adjust also accepts 8mm indicators
- All have dovetail clamps for test indicators
- Mag base features 2 fine adjusts making it a 6-Axis Mag Base
- HOLD-TEC can be mounted in drill chucks, collets, dial gage stands with 8mm mount diameter to make a quick transfer stand
- Mag base has 180 lb. pull
- Adjust to any position
- Powerful On/Off mag base
- Central locking system

**Features**

**Double Fine Adjust**

**Order Number** | **Description**
--- | ---
72-565-036-0 | (Indicator not included)
72-565-038-0 | (Indicator not included)
72-585-085-0 | (Indicator not included)

**MACHINIST GRADE!**

For MAXIMUM Precision

Prices and specifications are subject to change without notice
Anyform Magnetic Base

- Versatile—70 steel segments work like a contour gage to fit mag base securely to any shape or form
- Unlock the cam mechanism and magnetic segments will conform to any odd shape
- Rigid one-piece construction with permanent powerful magnet holds securely
- There's no longer any need to make extra fixtures to set indicators
- Unlimited versatility—used with coolant systems, lamps, etc.
- Side arm clamp holds all AGD dial indicators and all test indicators with a 1/4" dia. stem

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Base Width</th>
<th>Base Height</th>
<th>Base Depth</th>
<th>Lbs. Pull</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-585-200-0</td>
<td>2-1/4&quot;</td>
<td>2-1/8&quot;</td>
<td>1-3/4&quot;</td>
<td>40</td>
</tr>
</tbody>
</table>

Xtra Mag

A Versatile Universal & Mag Base Combo!

Mag Base: (72-585-000-0)
- 2 universal ball sockets
- Microfine adjustment screw
- 3-9/16" extension arm
- Dovetail mounting

Test Indicator: (72-562-778-0)
- Range: 0.030"
- Reading: 0 - 15 - 0
- Jewelled movement
- Graduation: 0.0005"
- Auto-reversing
- 0.080" diameter point

All complete in a shop-hardened case!

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-585-105-0</td>
<td>Xtra Mag only</td>
</tr>
<tr>
<td>72-585-100-0</td>
<td>Xtra Mag with Test Indicator</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
**INDI-Xblue** Electronic Indicators

**Now available in 0.5"/12.5mm & 1"/25mm ranges!**

- Direct Inch/Metric Conversion
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Resolution 0.0005"/0.01mm
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

**Carbide-tipped point!**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-520-250-0</td>
<td>1&quot;/25mm Indi-X Blue Electronic Indicator</td>
</tr>
<tr>
<td>74-520-255-0</td>
<td>0.5&quot;/12.5mm Indi-X Blue Electronic Indicator</td>
</tr>
</tbody>
</table>

**INDI-Xblue** Electronic Indicators

**With Fractions**

**INCH • METRIC • FRACTION**

- Direct Inch/Metric/Fraction Conversion
- Auto Off feature
- 2-1/4" dial face
- Lugback and 3/8" stem mountings
- Resolution 0.0005"/0.01mm/64ths
- Tolerance indicators
- Absolute/incremental reading
- Floating zero
- Carbide tipped point

**Carbide-tipped point!**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-520-260-0</td>
<td>1&quot;/25mm/Fraction Indi-X Blue Electronic Indicator</td>
</tr>
</tbody>
</table>
AGD Indicators
- 1" travel
- Continuous reading: 0 - 100
- AGD 2 series 2-1/4" dial diameter
- Revolution counter
- Tolerance markers
- Lug back mount
- Carbide points

Inch/Metric Reading Dial Indicator
- AGD 2 series 2-1/4" dial diameter
- Dial face reads in inch (black) or metric (red)
- Range: 1"/25mm
- Graduation: 0.001"/0.01mm
- Reading: 0-100/0-100-0
- Separated dial for Inch & Metric
- Rotating bezel with clamp
- Lugback included

Order Number   Description
72-530-110-0  Inch Metric Reading Dial Indicator

Magnetic Back
- Use for positioning on any metal surface
- Protective coating
- Can be used with any indicator on this page

Order Number   Description
72-585-495-0  Magnetic Back only
72-520-485-0  Magnetic Back w/72-520-110 ind.

Indicators
Protection Includes:
- Rubber bellows on stem
- O-ring seal on safety cap
- O-ring protection for bezel and rotating dial
- Sealed back plate

Specifications:
- Robust, shockproof design
- Travel: 1"
- Reading: 0.001"
- Continuous reading: 0-100
- Tolerance markers
- AGD Group 2, 2-1/4" dia.
- Lugback and carbide point

Order Number   Dial Color
72-520-450-0  White
72-520-455-0  Black

Timing Gage
Mounts directly in spark plug hole. Small in size, it allows the operator to work in a confined space. Used on 2 cycle engines with straight holes. Cannot be used on spark plug holes that are angled.

- Lug back indicator with 1" travel for mounting on a mag base
- 2 Adaptors: 14mm and 18mm. Adaptor can be screwed down into plug hole

Order Number   Description
72-520-747-0  Timing Gage

Prices and specifications are subject to change without notice
Depth Base Attachment

- Turn your dial or electronic indicator into a depth gage (may reduce range)
- 4” length
- Fits indicators with 3/8” or 8mm mounting stem, adaptor bushing included
- Ground and lapped base

Order No.  Description
72-125-004-0  Depth Base Attachment

Long Range Indicator Test Set

- For direct measurements
- Rotates for setting at any point
- Includes mag base with post and dual diameter rod
- Includes indicator which features 1” range; 0.001” graduations; reading: 0 - 100; 2-1/4” dial diameter and includes rod connector and holding clamp
- Carbide contact point
- Includes shop-hardened case

Order Number  Description
72-520-707-0  Long Range Indicator Test Set

Magnetic Base & Dial Indicator Combo

- Includes 1” indicator and mag base, plus rods, swivel clamp and case
- The 2-1/4” diameter 0.001” indicator features: satin chrome finish, tolerance hands, lug back and revolution counter
- The 6” high mag base features a 1.5” x 1.5” x 1.75” 50 lb. pull base and a 4.5” long sidearm All exposed metal is finished in anodized black for corrosion resistance
- Includes shop-hardened case

Order Number  Description
72-522-101-0  Magnetic Base & Dial Indicator Combo

Prices and specifications are subject to change without notice
Cylinder & Bore Measurement
Extender 1.4" to 6" or 35 to 160mm Dial Bore Gage Set with Carbide Anvils

Industry’s two most popular bore gage ranges combined in one set!

Carbide Anvils
- Easy-to-read
- Economical
- Graduation: 0.0005", 0.0001" or 0.01mm
- Insulated grip
- 1.4" to 6" range or 35 to 160mm
- Chrome plated handle
- Includes extension holder and fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-646-500-0</td>
<td>Inch X-Tender Bore Gage Set</td>
<td>0.0001&quot;</td>
</tr>
<tr>
<td>72-646-400-0</td>
<td>Inch X-Tender Bore Gage Set</td>
<td>0.0005&quot;</td>
</tr>
<tr>
<td>72-646-220-0</td>
<td>Metric X-Tender Bore Gage Set</td>
<td>0.01mm</td>
</tr>
</tbody>
</table>

Extender-E Electronic 1.4" to 6" Dial Bore Gage Set

Industry’s two most popular bore gage ranges combined in one easy-to-use ELECTRONIC set!

All the same benefits included in the X-Tender Dial Bore Gage are now available with an electronic indicator providing inch/metric reading capability, preset size of master for absolute reading and minimum hold feature to lock on the bore size as the gage is rocked in the part to be measured.

Bore Gage Features:
- Range: 1.4" - 6"/35 - 150mm
- Carbide anvils
- Easily adjustable
- Self-centering
- Includes extension holder
- Shop hardened case

Indicator Features:
- Dual reading inch/metric electronic indicator
- Bar graph and numeric digital display
- Resolution: 0.00005"/0.001mm
- Preset with recall
- ABS/INC measurement
- Min/Max/TIR

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-646-401-0</td>
<td>XTender-E Electronic Dial Bore Gage Set</td>
</tr>
</tbody>
</table>
Dial Cylinder Bore Gage Sets with Carbide Anvils

Carbide anvils
- Easy-to-read
- Economical
- Graduation: 0.0005"
- Chrome plated handle
- Insulated grip
- Includes extension holder and fitted case.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-646-100-0</td>
<td>Dial Bore Gage Set</td>
<td>0.7 - 1.5&quot;</td>
</tr>
<tr>
<td>72-646-300-0</td>
<td>Dial Bore Gage Set</td>
<td>2 - 6&quot;</td>
</tr>
</tbody>
</table>

Bore Gage Setting Master Sets
Fowler's Bore Gage Setting Master Set is used for accurately setting any bore gage up to 6" in diameter to an accuracy of 0.0001"/0.003mm

Each Set includes:
Setting Device (73-646-000-1 - Inch Model)
- Base anvil: 3.950" x 1.050"
- Adjustable anvil 2.375" x .375" (two each)
- Internal capacity: 6"/150mm
- Depth capacity: 1"/25mm
- Centralizer capacity width: 2.750"
- Quick-release holder for fast adjustment
- Can also be used for external setting, depending on application (external mics, snap gages, caliper gages)

Inch model:
- 36 piece
- Tolerances to .00005"
- Certificate of Calibration to N.I.S.T.

Metric model:
- 33 piece
- AS-2 grade
- Certificate of Calibration to N.I.S.T.

Includes:
Bore gage setting master and gage block set. All in a custom-fitted case!

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>73-646-000-1</td>
<td>Bore Gage Setting Master Kit</td>
</tr>
<tr>
<td>73-646-010-0</td>
<td>Metric Bore Gage Setting Master Kit</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
**X-TRA RANGE**

4" to 12" Bore Gage
with Carbide Anvils

Carbide Anvils
- 4" to 12" range
- 10" measuring depth
- Easy-to-read
- Economical
- Graduation: 0.0005"
- Insulated grip
- Chrome plated handle
- Includes extension holder and wooden case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-646-600-0</td>
<td>X-tra Range 4&quot; to 12&quot; Bore Gage</td>
</tr>
</tbody>
</table>

2" to 6" Right Angle Dial Bore Gage
with Carbide Anvils

For measuring main bores, cam bores & other hard-to-reach areas directly!

Carbide Anvils
- Easy-to-read
- Economical
- Range: 2" to 6"
- Graduation: 0.0005"
- No passing through other bores to measure inboard journals
- 0.050" travel in 0.0005" increments
- Chrome plated handle
- 3 spacers, 11 probes
- Insulated grip
- Includes extension holder and fitted wooden case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-646-250-0</td>
<td>2&quot; to 6&quot; Right Angle Dial Bore Gage</td>
</tr>
</tbody>
</table>

Dial Cylinder Bore Gage

- Measure cylinder taper and out-of-roundness without removal of the piston
- Measure bore diameter to 8" depth
- Graduations: 0.001"
- Range: 2.6" to 7"
- Includes gage, contact extensions and indicator

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-646-200-0</td>
<td>Dial Cylinder Bore Gage</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Inside Micrometers

- Each set consists of an inside micrometer head and a series of fully hardened and lapped extension rods of different lengths
- Anvil and spindle are hardened and precision ground with microlap finish on ends
- Spindle thread hardened, ground & lapped
- .001” Microfine graduations on satin chrome
- Positive locking nut on spindle
- Meets or exceeds Federal accuracy specs.
- Reference standard included with set
- Includes a wrench and a fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-243-026-1</td>
<td>2” - 6” Inside Micrometer</td>
</tr>
<tr>
<td>72-243-212-1</td>
<td>2” - 12” Inside Micrometer</td>
</tr>
<tr>
<td>72-243-220-1</td>
<td>2” - 20” Inside Micrometer</td>
</tr>
</tbody>
</table>

12” Telescoping Gage Set

Another great tool for easy and accurate measurements. Under spring tension, the plungers of the gage expand from the center to the size of the hole being measured and are then locked in place using the knurled knob. Final hole size is obtained by measuring over the contacts with a micrometer or vernier caliper.

- Contact points are constructed of hardened tool steel, precision ground
- Double action rigid handle with self-centering feature for quick checking of inside measurements
- Constant spring tension for uniform feel
- **Covers a measuring range of 5/16” to 6” with measurable depths of 12”**
- Includes fitted vinyl case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-470-007-0</td>
<td>12” Telescoping Gage Set</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Telescoping Gages

Another great tool for easy and accurate measurements. Under spring tension, the plungers of the gage expand from the center to the size of the hole being measured and are then locked in place using the knurled knob. Final hole size is obtained by measuring over the contacts with a micrometer or vernier caliper.

- Double action rigid handle with self-centering feature for quick checking of inside measurements
- Constant spring tension for uniform feel
- Contact point ends are hardened tool steel and precision ground on a radius of the smallest hole the gage will enter
- Covers a measuring range of 5/16" to 6" with measurable depths of 4" to 5"
- Includes fitted vinyl case

Order Number | Description | Depth
--- | --- | ---
72-470-004-0 | 4 piece 5/16" to 2-1/8" | 4 to 5"
72-470-006-0 | 6 piece 5/16" to 6" | 4 to 5"

Telescoping Gage Set with Titanium Coated contact points!

- Contact points are constructed of hardened tool steel, precision ground and titanium coated for accuracy and durability
- Double action rigid handle with self-centering feature for quick checking of inside measurements
- Constant spring tension for uniform feel
- Covers a measuring range of 5/16" to 6" with measurable depths of 4" to 5"
- Includes fitted vinyl case

Order Number | Description
--- | ---
72-470-000-0 | Telescoping Gage Set with Titanium coated contact points

Prices and specifications are subject to change without notice
Small Hole Gage Set

- Knurled knob at the end of handle is used for size adjustment
- Hole size is obtained by measuring over the contact points with a micrometer
- The gaging surface is a full-round with a flat bottom
- This permits use in the smallest of shallow holes, slots and grooves, etc.
- Gaging surface is fully hardened to ensure long tool life
- Extra long for gaging deep and shallow slots and similar work
- The complete set of four gages covers a range of 0.125" - 0.500"
- Includes fitted vinyl case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-472-104-0</td>
<td>Small Hole Gage Set - Set of 4 gages</td>
<td>0.125&quot; - 0.500&quot;</td>
</tr>
</tbody>
</table>

Internal & External Electronic Caliper Gages

- Robust housing
- Large LCD display
- Reading: 0.01"/0.3mm/1/64ths
- Accuracy: 0.01"/0.3mm/1/64ths
- Battery: CR2032
- Spring loaded with locking nut

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>74-554-630-0</td>
<td>Outside Caliper Gage</td>
<td>0-6&quot;/150mm</td>
</tr>
<tr>
<td>74-554-730-0</td>
<td>Inside Caliper Gage</td>
<td>.5-6&quot;/150mm</td>
</tr>
</tbody>
</table>
Spring Calipers & Dividers

• Ends fully rounded on Outside/Inside Spring Calipers and Spring Hermaphro-
dite Calipers
• Outside Spring Calipers meet Federal Specification Type II, Class I. Inside
Spring Calipers meet Federal Specification Type I, Class I
• Quick, positive adjustment
• Spring Dividers meet Federal Specification Type A, Class 2 and supplied with a
plastic point protector. Points fully hardened/tempered. High carbon steel legs
heat treated
• Adjustment screw centrally located; legs are well balanced with uniform tension
• Natural polished steel finish

Order Number | Description
--- | ---
72-105-006-0 | 6" Outside Spring Caliper
72-106-006-0 | 6" Outside Spring Caliper with quick nut
72-107-006-0 | 6" Inside Spring Caliper
72-108-006-0 | 6" Inside Spring Caliper with quick nut
72-115-006-0 | 6" Spring Divider
72-116-006-0 | 6" Spring Divider with quick nut

Drill Gages

Order Number | Description
--- | ---
72-480-005-0 | 1/16" - 1/2" Jobber Drill-29 holes
72-480-006-0 | 1mm - 5.9mm Jobber Drill; 57 holes
72-480-008-0 | 1.5mm - 12.5mm Drill Gage; 30 holes
72-480-010-0 | #1—#60 Number Drill; 60 holes
72-480-015-0 | #61—#80 Number Drill; 20 holes
72-480-020-0 | A—Z Letter Drill; 26 holes

Prices and specifications are subject to change without notice
Transfer Punch Sets

- Punches are made of hardened and tempered tool steel, black oxide finished
- All sizes are marked on index base and diameters are slightly undersized for easy handling
- Supplied with index stand

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-482-028-0</td>
<td>28 Piece Transfer Punch Set</td>
<td>3/32&quot; - 1/2&quot;</td>
</tr>
<tr>
<td>72-482-030-0</td>
<td>33 Piece Transfer Punch Set</td>
<td>1/2&quot; - 1&quot;</td>
</tr>
</tbody>
</table>

NEW Set! Punches up to 1"

XTRA-PUNCH Heavy Duty Transfer Punch Set

- 1/2" - 1" range in 1/64"
- 36 piece set, 3 master punches and 33 individually sized sleeves
- Each sleeve and punch is clearly laser etched with its size
- Simply select the sleeve for the size required, place it on one of the master punches for that range and it is ready to use
- Punches and sleeve ranges are color coded for easy pairing
- Heavy duty for larger applications
- Punch tips are hardened 48-55 HRC
- Master punches are 4-7/8" in length and sleeves are 1" in length
- 1/4 the weight of a conventional transfer punch set with this range (approximately 4.5 lbs.)
- Supplied in a fitted, shop hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-482-040-0</td>
<td>36 Piece Transfer Punch Set</td>
</tr>
</tbody>
</table>

Sizes ideal for heavy duty applications. Simply select the sleeve for the size required, place it on one of the master punches for that range and it is ready to use.
**Bell Punch**

- Easily locates and allows center punching of ends on round stock
- Hardened to 48-52 HRC
- Accurate to 0.0016”/0.04mm

<table>
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<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-500-150-0</td>
<td>Bell Punch</td>
</tr>
<tr>
<td>72-500-155-0</td>
<td>Replacement Punch</td>
</tr>
</tbody>
</table>

**Center Punch Set**

- Housing finished in black nitrate
- Chrome alloy steel; hardened both ends
- Knurled finger grip for easy handling
- All sizes marked for fast and easy use
- Point sizes 3/64", 5/64", 7/64", 9/64" and 11/64"
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-500-015-0</td>
<td>Center Punch Set</td>
</tr>
</tbody>
</table>

**Heavy Duty Automatic Center Punch**

- Knurled steel handle
- Moveable components made of hardened steel
- Point easily removed for sharpening
- Features adjustable compression for marking a variety of materials

<table>
<thead>
<tr>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-500-290-0</td>
<td>Heavy Duty Automatic Center Punch</td>
</tr>
</tbody>
</table>

**Universal Transfer Punch**

- Covers a large range with just 1 punch
- Spring loaded assures perfect hole center alignment
- Self centering
- Made of hardened tool steel

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-482-001-0</td>
<td>1/4&quot; - 3/4&quot; Universal Transfer Punch</td>
</tr>
<tr>
<td>72-482-002-0</td>
<td>1/4&quot; - 11/16&quot; Universal Transfer Punch</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Spark Free Brass Drive Punch Set

- Made of brass
- Punch section centerless ground
- Length is 4"
- Hexagonal body style
- Used in spark-free environments
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-500-068-0</td>
<td>8 Drive Pin Punch Set</td>
</tr>
</tbody>
</table>

Extra Long Drive Pin Punch Set

- Black nitrate finished housing. Made of chrome alloy steel. Hardened on both ends.
- Knurled finger grip
- Length is 8"
- Point sizes: 1/8", 3/16", 1/4", 5/16" and 3/8"
- Includes fitted case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-500-300-0</td>
<td>Extra Long Drive Pin Punch Set</td>
</tr>
</tbody>
</table>

Straight Edges

- Made of selected steels
- Hardened for superior wear resistance
- Matched to precision masters to insure precision
- Width and thickness have been carefully determined to provide optimum rigidity-to-weight ratios

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Length</th>
<th>Width</th>
<th>Straightness</th>
<th>Thick</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-480-050-0</td>
<td>18&quot;</td>
<td>1.320&quot;</td>
<td>0.0003&quot;</td>
<td>0.150&quot;</td>
</tr>
<tr>
<td>72-480-055-0</td>
<td>24&quot;</td>
<td>1.675&quot;</td>
<td>0.0003&quot;</td>
<td>0.170&quot;</td>
</tr>
<tr>
<td>72-480-060-0</td>
<td>36&quot;</td>
<td>2.730&quot;</td>
<td>0.0004&quot;</td>
<td>0.225&quot;</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Combination Square & Components

- Blades are chrome plated, fully hardened and tempered, graduated in 8ths, 16ths, 32nds and 64ths
- Finished in baked blue enamel
- Square head has level and scriber point
- Double indexed protractor is graduated 180° in both directions

Square Sets

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-386-006-0</td>
<td>Square and Center head with 6&quot; blade</td>
</tr>
<tr>
<td>72-373-012-0</td>
<td>Square head with 12&quot; blade</td>
</tr>
<tr>
<td>72-370-012-0</td>
<td>Square, Protractor and Center Head with 12&quot; blade</td>
</tr>
</tbody>
</table>

Components

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Blade Size</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-400-012-0</td>
<td>12&quot;</td>
<td>1/64&quot;, 1/32&quot;, 1/16&quot;, 1/8&quot;</td>
</tr>
<tr>
<td>72-400-015-0</td>
<td>300mm</td>
<td>1mm, 0.5mm/32nds &amp; 64ths</td>
</tr>
</tbody>
</table>

Heads:

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Size</th>
<th>Type</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-410-010-0</td>
<td>Square Head</td>
<td>12&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>72-415-010-0</td>
<td>Center Head</td>
<td>12&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>72-421-000-0</td>
<td>Reversible Protractor Head</td>
<td>12&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ez-Read Black Rules

- Hardened stainless steel.
- White easy-to-read microfine graduations against black non-glare finish.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Size</th>
<th>Type</th>
<th>Graduation</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-307-006-0</td>
<td>Black EZ Read Rule</td>
<td>6&quot;</td>
<td>Flexible</td>
<td>5R</td>
</tr>
<tr>
<td>72-379-006-0</td>
<td>Black EZ Read Rule</td>
<td>6&quot;/150mm</td>
<td>Flexible</td>
<td>E/M</td>
</tr>
</tbody>
</table>

Now available the TWO MOST POPULAR Automotive Graduations!

Prices and specifications are subject to change without notice
Flexible Steel Rules

- Hardened stainless steel
- Etched, non-glare, black finish
- 5R graduations: 32nds and 64ths, 10ths and 100ths
- 4R graduations: 8ths, 16ths, 32nds & 64ths
- Flexible rules: 0.020” thick
- Gold rules are titanium coated

**FLEXIBLE STEEL RULES**

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Finish</th>
<th>Size</th>
<th>Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-295-006-0</td>
<td>Satin Chrome</td>
<td>6”</td>
<td>4R</td>
</tr>
<tr>
<td>72-297-006-0</td>
<td>Black</td>
<td>6”</td>
<td>4R</td>
</tr>
<tr>
<td>72-299-006-0</td>
<td>Golden</td>
<td>6”</td>
<td>4R</td>
</tr>
<tr>
<td>72-295-012-0</td>
<td>Satin Chrome</td>
<td>12”</td>
<td>4R</td>
</tr>
<tr>
<td>72-297-012-0</td>
<td>Black</td>
<td>12”</td>
<td>4R</td>
</tr>
<tr>
<td>72-299-012-0</td>
<td>Golden</td>
<td>12”</td>
<td>4R</td>
</tr>
<tr>
<td>72-300-006-0</td>
<td>Satin Chrome</td>
<td>6”</td>
<td>5R</td>
</tr>
<tr>
<td>72-307-006-0</td>
<td>Black</td>
<td>6”</td>
<td>5R</td>
</tr>
<tr>
<td>72-309-006-0</td>
<td>Golden</td>
<td>6”</td>
<td>5R</td>
</tr>
<tr>
<td>72-300-012-0</td>
<td>Satin Chrome</td>
<td>12”</td>
<td>5R</td>
</tr>
<tr>
<td>72-307-012-0</td>
<td>Black</td>
<td>12”</td>
<td>5R</td>
</tr>
<tr>
<td>72-309-012-0</td>
<td>Golden</td>
<td>12”</td>
<td>5R</td>
</tr>
</tbody>
</table>

**6”/150mm Pocket Steel Rule**

- Rounded edge prevents damage to shirt pocket
- Inch graduations are in 64ths
- Metric scale is in 1mm increments
- Rule width: 0.470”
- Rule thickness: 0.021”

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-380-100-0</td>
<td>6”/150mm Pocket Steel Rule</td>
</tr>
</tbody>
</table>

**Metal Etching Pen**

A "must" for any tool room and machine shop for general marking purposes, Fowler's metal etching pen is used on copper, copper alloy, stainless steel, hardened steel tools and castings, etc. Use it to initial personal tools. Its low-cost, disposable design offers limitless applications.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-730-005-0</td>
<td>Disposable Felt Tip Metal Etching Pen. Overall length is 6-1/4”</td>
</tr>
</tbody>
</table>
2 in 1 Scriber & Center Punch

- Contains a carbide tipped scribe and a steel center punch all in 1 tool
- Carbide tip is reversible for double the life
- Knurled finger grip
- 1/8” center punch tip
- Supplied with convenient pocket clip

NEW!

Order Number | Description | Overall Length
--- | --- | ---
72-500-060-0 | 2 in 1 Scriber & Center Punch | 

Carbide Tipped Scriber VALUES!

- Lightweight • Retractable carbide tip • Knurled grip • Machined aluminum body • Pocket clip

Order Number | Description | Overall Length
--- | --- | ---
72-500-050-0 | Carbide Super Scriber | 6.5”
72-500-055-0 | Carbide Refills | 

Order Number | Description | Overall Length
--- | --- | ---
72-500-000-0 | Pocket Carbide Scriber | 6.0”
72-515-046-0 | Carbide Refills | 

Order Number | Description | Overall Length
--- | --- | ---
72-500-080-0 | Replaceable Tip Carbide with magnetic end cap | 5.75”
72-500-085-0 | Carbide Refills | 

Order Number | Description | Overall Length
--- | --- | ---
72-500-090-0 | Fixed Tip Scriber | 6.0”

Prices and specifications are subject to change without notice
Swiss Pattern File Set

Swiss Pattern Files are economically priced and each set includes a fitted case and 12 of the finest quality files in the most popular shapes.

Swiss Pattern Files are fine precision cutting tools used by tool and die makers, model makers, delicate instrument and part finishers for a variety of filing jobs. Made to closer tolerances than American pattern files, they are primarily finishing tools for removing burrs, trueing narrow grooves, notches, keyways, cleaning corners, smoothing small parts and similar jobs.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Length</th>
<th>Cut No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-130-060-0</td>
<td>12 pc. Swiss Pattern File Set</td>
<td>6&quot;</td>
<td>#0</td>
</tr>
<tr>
<td>75-130-062-0</td>
<td>12 pc. Swiss Pattern File Set</td>
<td>6&quot;</td>
<td>#2</td>
</tr>
</tbody>
</table>

Diamond File & Deburring Set

DIAMOND IMPREGNATED for use on even the HARDEST ALLOYS!

Set includes:
• 1 handle, providing maximum grip comfort
• 5 piece set of diamond impregnated files consisting of a round, flat, square, triangle and half-round file, 5-1/2" long with 2-1/2" length of cut
• 2 triangular scraper/deburring tools (single and double ended)
• Fitted storage case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-483-666-0</td>
<td>Diamond File &amp; Deburring Set</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice
Disposable Deburring Tool with Pocket Clip

Disposable deburring tool includes S-10 blade for steel, aluminum and plastic mounted in an aluminum handle.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-483-125-0</td>
<td>Disposable Deburring Tool with Pocket Clip</td>
</tr>
</tbody>
</table>

Deburring Cutters

- "Quick-change" thumb operated button for instant removal, insertion and locking of new blades.
- Supplied with three blades: 1) for steel and aluminum, 2) for brass and cast iron, 3) for straight edges on all types of metals.
- Hollow handle with a removable end cap for storage of blades.
- Unique rounded head blades for safe deburring of drilled and machined holes, end milled areas, tubing, backside of holes and an almost unlimited amount of uses.
- Curved blades swivel freely to automatically follow shapes, contours and holes.
- Molded to comfortably fit the user's hand without slippage or fatigue.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-483-003-0</td>
<td>Adjustable Scraper &amp; Deburring Cutter with three blades</td>
</tr>
</tbody>
</table>

Rapid Burr

- "Quick-change" thumb operated button for instant removal, insertion and locking of new blades.
- Supplied with a blade for steel and aluminum.
- Unique rounded head blade for safe deburring of drilled and machined holes, end milled areas, tubing, backside of holes and an almost unlimited amount of uses.
- Curved blades swivel freely to automatically follow shapes, contours and holes.
- Adapts to all S-blades.
- Molded to comfortably fit the user's hand without slippage or fatigue.

for steel & aluminum

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-483-025-0</td>
<td>Rapid Burr</td>
</tr>
</tbody>
</table>

Prices and specifications are subject to change without notice.
4 Piece Deburring Cutter Set

4pc Deburring Cutter Set features four separate color coded cutters. Each color indicates the material that the cutter is intended for.

- Colored sleeves rotate to lock and unlock blades for easy changing
- Unique rounded head blades for safe deburring of drilled and machined holes, end milled areas, tubing, backside of holes and an almost unlimited amount of uses
- Curved blades swivel freely to automatically follow shapes, contours and holes

Order Number | Description
--- | ---
72-483-777-0 | 4 pc. Deburring Cutter Set
For replacement blades see Fowler's Main Catalog

Universal Deburring, Cleaning & Countersink Set

A complete kit for the Auto Repair Professional!

Set includes:
- 1 Universal Handle
- 2 Adapters
- 2 Deburring Blades
- 1 Countersink for 20mm/0.47" diameter
- 1 Countersink for 30mm/1.18" diameter
- 4 Cleaner Blades, for sheet metal, small ridges, relieving corners and for narrow slots
- Combined in a compact molded case

Order Number | Description
--- | ---
72-483-888-0 | Universal Deburring, Cleaning & Countersink Set

Prices and specifications are subject to change without notice
3 Piece Deburring Cutter Set

- Most economical
- 3 deburring tools
- Blades are replaceable
- 3 different blades from heavy duty to extra fine

Order Number Description
72-483-555-0 3 pc. Deburring Cutter Set
For replacement blades see Fowler’s Main Catalog

Universal Magnetic Mini Flex Base with LED Flashlight

This product is ideal for focused applications in Industrial and Automotive!

- Zoomable 150 lumens Ultra-bright flashlight with 3 modes: bright, dim and flashing
- Powerful, low-profile magnetic base
- Slim, articulating flex bar allows easy and accurate positioning
- Quick release mounting bracket clamp
- Batteries included

Order Number Description
72-630-451-1 Universal Magnetic Mini Flex Base with light

Deep Hole Light

- Deep Hole Light permits viewing in deep holes, around corners, under grooves, etc.
- Includes battery case for 2 penlight batteries and a battery case for one battery for use where space is limited; batteries not included
- Features a positive switch. Curved and straight light conveying devices place intense illumination at their ends directly on the bottom of the hole being viewed. A small mirror permits viewing in a manner similar to a dentist examining teeth.
- Includes plastic case

Order Number Description
72-270-000-0 Deep Hole Light
**Screwdriver Set**

- This precision Screwdriver and Tool Set is ideal for miniature work
- Features knurled and chromed swiveling handles
- Screwdriver and Tool Set contains 9 screwdrivers, 1 tapered point scratch awl and 1 magnetic pick-up tool
- Screwdriver size range: #00, #0, #1, 1/32", 3/64" 1/16", 5/64", 3/32" and 1/8"

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-490-003-0</td>
<td>Screwdriver Set</td>
</tr>
</tbody>
</table>

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**X-Blox® V-Block Set**

- **2 each @:**
  - Dimensions: 1-1/2" L x 1-1/4" W x 1-1/4" H.
  - Work capacity: Approximately 1"
- **2 each @:**
  - Dimensions: 2" L x 1-1/2" W x 1-1/2" H.
  - Work capacity: 1-1/2"

**All feature:**
- Surfaces are square and parallel within 0.0005"
- V-grooves are square and parallel with all surfaces within 0.0005"
- Corresponding dimensions for each pair are alike within 0.0005"
- All enclosed in shop-hardened case

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-475-500-0</td>
<td>X-Blox V-Block Set</td>
</tr>
</tbody>
</table>

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**Rectangular Head Protractor**

- Measures angles from 0-180 degrees.
- Used to transfer angles and to set bevels.
- 6" arm with knurled thumb lock nut.
- Made of chrome steel with satin finish.
- Measures 3-5/16" x 2". Rectangular head provides four working edges.
  Blade secured firmly at any angle by a lock joint and knurled nut.

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-450-010-0</td>
<td>Rectangular Head Protractor</td>
</tr>
</tbody>
</table>

---

*Prices and specifications are subject to change without notice*
Valve Seat Runout Gages

Small, compact dial gages designed to measure valve seat runout on most gasoline engines including automobiles, motorcycles, outboard and inboard engines, trucks, snowmobiles, etc. Valve seat runout tolerances for engines are within ±.001".

Gage should be positioned on pilot, adjustable probe should be set on the valve seat and the gage is then turned 360°. A complete range of adaptors are available for different pilots. Gage contains jewelled bearings.

- Range 0.200"
- Graduation 0.001"
- Reading 0 - 50 - 0

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
<th>Adaptor Size</th>
<th>For Pilots*</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-644-000-0</td>
<td>Valve Seat Runout Gage</td>
<td>3/8&quot;</td>
<td>Black &amp; Decker, K.O.Lee, Neway, Olcott</td>
</tr>
<tr>
<td>72-644-200-0</td>
<td>Valve Seat Runout Gage</td>
<td>3/8&quot; + .010&quot;</td>
<td>Sioux</td>
</tr>
</tbody>
</table>

Cam-Locking Tap Wrench

3-times the Range of Most Tap Wrenches!

1/8" to 1/2" (3 to 12mm)

QUICK RELEASE CAM!

FAST & TIGHT!

CHANGE TAPS FAST!

- Fits wide range of tap sizes: 1/8" to 1/2" (M3 to M12)
- Patented Revolutionary Cam-Lock System
- Quick-action clamping for easy replacement
- Taps will never release during use
- Heavy-duty design for reliability and long life
- Handles extreme torque
- Can be used as a hand drill for sizes: 1/16" to 5/16"

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>72-492-350-0</td>
<td>Tap-X Cam-Locking Tap Wrench</td>
</tr>
</tbody>
</table>