Serious gun owners, target shooters and hunters alike, know that a lot of things go into making an accurate shot. While nothing is more important than the skill of the shooter, the type, make and condition of the firearm as well as the ammunition are also critical. To ensure the best possible accuracy, many gun owners reload their own ammunition. Very precise measurement is a vital part of ammunition reloading, and tools used in precision machining are also among those used to ensure accuracy.

For years, many ammunition reloaders have relied on the U.S. manufacturer with over 125 years of providing the world’s most trusted precision tools – The L.S. Starrett Company. This booklet presents a sampling of Starrett precision tools geared to the needs of ammunition reloaders and gunsmiths.

### Slide Calipers

For checking outside, inside and depth dimensions of ammunition and firearms

#### 797 Electronic Caliper

with Output & IP65 Protection

Cat. No. 797B-6/150, EDP: 68659

- 0 – 6” / 0 – 150mm range
- Inch/millimeter conversion
- Large, easy-to-read LCD display
- IP65 level of protection against coolant, water, dirt and dust
- Zero at any position
- Manual on/off with auto off after four hours
- Long life battery (>3500 hours)

- Induction type linear encoder system
- RS232 output
- Fine adjustment for precision measurements and lock to hold the slide in position
- Long life hardened stainless steel measuring surface
- Includes fitted plastic case
- Resolution: .0005”/0.01mm

#### 799 Electronic Caliper

Cat. No. 799A-6/150, EDP: 67410

- 0 – 6” / 0 – 150mm range
- Inch/millimeter conversion
- Easy access to single long-life battery
- Last measuring position retained when shut off
- Hardened stainless measuring surfaces for long life

- Fine adjustment thumb wheel
- Zero at any position
- Lock screw to hold the slide in position
- Protective fitted case included
- Easy-to-read LCD, .32” high characters
- Auto shut-off after 5 minutes of nonuse
- Integrated depth rod
- Resolution: .0005”/0.01mm

See complete information & specifications at www.starrett.com
120 Series Dial Calipers

Cat. No. 120A-6, EDP: 64514

The Only American Made Dial Caliper

- Sharp, black graduations on the satin finished bar, every .100"
- Sharp, clear dial graduations of .001” –.100” per revolution
- Rack teeth point down to make it easy to shed foreign matter
- Lock screws for dial bezel and for holding the sliding jaw in position
- Hardened stainless steel bar, measuring surfaces, rack, gears and depth rod
- Positive, split-gear anti-backlash control
- Fine adjustment roll
- Knife-edge contacts
- Covered rack depth rod
- No. 915 sturdy leather holster (EDP: 64166) (Right) provides excellent protection for 120 & 1202 dial calipers

Red dial: Cat. No. R120A-6, EDP: 64516 (Above, left)
Black dial: Cat. No. B120A-6, EDP: 64515 (Left)

1202 Series Dial Calipers

Cat. No. 1202-6, EDP: 66964

- 0 – 6” Range
- Sharp, black graduations on the satin finished bar
- Positive, spring-loaded double pinion anti-backlash control
- Thumb-operated fine adjustment roll
- Lock screws for sliding jaw and dial bezel
- Covered rack depth rod
- Adjustable bezel

1202 Fractional Dial Caliper
Cat. No. 1202F-6, EDP: 68931

- 1/64” graduations on the yellow outer scale, and .01” on the white inner scale
- 0 – 6” range

Several products in this flyer, including 799 and 1202 calipers are manufactured in offshore Starrett facilities and are available in the U.S.A. as the “Global Series,” and are clearly designated by our “Global Series” symbol.

While the Starrett brand is synonymous with “American Made”, we have manufactured products worldwide for over 50 years. Regardless of country of origin, the Starrett brand remains your assurance of unmatched precision, quality and value.

Specifications subject to change.
OUTSIDE MICROMETERS

For precision measurements of outside dimensions

In addition to the listed features, all of the micrometers on pages 4 & 5 provide the following:

- No-glare black or satin finish on frame and satin chrome finish on thimble and sleeve
- Starrett workmanship with balanced, tapered frame for comfortable and accurate measuring
- Extremely hard, stable one piece spindle, and smooth operating one-piece friction thimble
- Micro-lapped carbide measuring faces (spindle only on tube micrometers)

796 Electronic Outside Micrometer
Cat. No. 796XFL-1, EDP: 67828

- Large, easy-to-read (.275”/7mm), high-contrast LCD digital readout
- IP67 level of protection against coolant, water, dust and dirt
- Two 3-volt batteries included for more than one year of normal usage
- Automatic OFF after 20 minutes of nonuse
- Instant inch/millimeter conversion
- Ability to zero tool at any position as well as retain and return to the true zero reading

734 Electronic Outside Micrometer
Cat. No. 734XFL-1, EDP: 64253

- Easy-to-read, high-contrast LCD digital readout
- Conventional inch graduations
- Ring-type knurled lock nut
- .250” (6.35mm) anvil and spindle diameter
- Includes one 3-volt battery for over one year’s normal usage
- Ability to zero tool at any position and return to the true zero reading
- Automatic OFF after 30 minutes of nonuse
- Instant inch/millimeter conversion
- Ability to install minimum and maximum limits

T216 Digital Micrometer
Cat. No. T216XRL-1, EDP: 55959

- Mechanical digital micrometer with clear, easily read numbers to reduce errors, even by the inexperienced
- .001” read directly from the counter with .0001” read from the vernier scale on the sleeve
- .250” (6.35mm) anvil and spindle diameter
- Ring-type knurled lock nut for quick and sure locking
- Ratchet stop and lock nut

See complete information & specifications at www.starrett.com
T230 & T232 Micrometers

0-1": Cat. No. T230XRL, EDP: 50944
0-1/2": Cat. No. T232RL, EDP: 50955

- Staggered lines and distinct, quick-reading figures with every thousandth numbered for precise and easy readability
- Ring-type knurled lock nut for quick and sure locking
- Spindle and anvil are .235” (6mm) on 0-1” No. T230
- Gracefully designed tapered frame for use in narrow slots and tight places
- The compact No. 232 has a 0-1/2” (13mm) range with .200” diameter spindle and anvil
- No. 914 rugged leather holster (EDP 64165) provides excellent protection for the T230 micrometer

Tube Outside Micrometers

For precision measurement of wall thickness and similar applications

769 Electronic Tube Micrometer
Cat. No. 769AXFL, EDP: 66447
For measuring from a hole to an edge such as the cylindrical wall thickness of tubing and other parts
- Rigid steel “half” frame
- Anvil diameter = 0.185”
- Resolution – .00005” and 0.001mm
- Electronic features the same as the No. 734 described on Page 4 with the addition of RS232 output

569 Tube Micrometer
Cat. No. 569AXP, EDP: 66437
The mechanical version of the 769 described above
- .001” graduations
- Includes fitted case

206 Micrometer Stand
Cat. No. 206 EDP: 55794
- Converts all micrometers on pages 4 and 5 to a sturdy bench gage
- Replaceable gripping surface pads
- Ball joint tilting head can be positioned as much as 45° off perpendicular in any direction
- Positive lock on the base
- Base dimension: 5-3/8” x 3” x 3/4”
**Micrometer Heads**

**762 Electronic Micrometer Head**
Cat. No. 762XFL, EDP: 65058

- Includes three non-rotating blades .045” thick x 1/8” wide, 0 – 3” range
- 2-1/2” base width
- .001” Grads.
- Combination ratchet and speeder with ring-type lock nut.
- Includes case

**T263 Micrometer Head**
Cat. No. T263XL, EDP: 65054

- Micro-lapped carbide face
- 1/2” (12.7mm) diameter clamping surface
- No-glare, satin chrome finish
- Ring-type knurled lock nut
- Graduation: .0001”

**Depth Measurement Tools**

**237 Rule Depth Gage**
Cat. No. 237, EDP: 51080

- Quickly obtain measurements to a 64th of an inch
- Hardened steel head and an accurate steel rule
- Lock nut
- Base is cut out on one side, for easy, accurate measurements

**449 Depth Micrometer**
Cat. No. 449-AZ3R, EDP: 52318

- Includes three non-rotating blades .045” thick x 1/8” wide, 0 – 3” range
- 2-1/2” base width
- .001” Grads.
- Combination ratchet and speeder with ring-type lock nut. Includes case

**643 Dial Depth Gage**
Cat. No. 643JZ, EDP: 52714 (Below, right)

- Direct reading, referencing from 2-1/2” (64mm) knife-edge hardened and ground base, cutout so that the conical point can be precisely positioned
- Range: 0 – .125”, .0005 grad., 0–25–0 dial reading
- Hardened and ground needle point contact, 1/2” (12.7mm) long with a 40º included angle
- With a Starrett 25-131 AGD Dial Indicator.

**Slide Caliper Depth Attachment**
PT22431 (Left)

- Attaches perpendicular to the caliper bar end to increase the accuracy of caliper depth measurements
- Works with all 797, 799, 120 & 1202 calipers shown on Page 2 and 3

See complete information & specifications at www.starrett.com
**S766A Basic Electronic Tool Set**

Cat. No. S766AZ, EDP: 12206

- 734XFL-1 Electronic Outside Micrometer, 0-1”/0-25mm.
- 799A-6/150 Electronic Slide Caliper, 0-6”/0-150 mm.
- Includes attractive, protective case.

**S909 Basic Precision Measuring Tool Set**

Cat. No. S909Z, EDP: 65122

- T436.1XRL-1, Outside Micrometer, 0-1” with carbide faces
  Slide Caliper: Cat. No. 120A-6
- 120A-6 Dial Caliper, 0-6”
- C604R-6 Precision Rule, Spring Tempered, 1/8th/16th/32nd/64th
- Includes attractive, protective case.

**Precision Rules**

**H604R Precision Rule**

Cat. No. H604R-6, EDP: 52667

- 6” Spring tempered steel rule. Steel finish
- Inch graduations. 1st edge: 64ths, 2nd edge: 16ths, 3rd edge: 32nds, 4th edge: 8ths
- Reversible Hook

**C316R Precision Rule**

Cat. No. C316R-6, EDP: 51374

- 6” steel rule. Full flexible
- Inch graduations. 1st edge: 50ths, 2nd edge: 100ths, 3rd edge: 64ths, 4th edge: 32nds

**C310R Precision Rule**

Cat. No. C310R-6, EDP: 51368

- 6” steel rule. Full flexible
- Inch graduations. 1st edge: 64ths, 2nd edge: 32nds
Dial Indicators & Accessories

Mount on stand or fixture to measure runout and other dimensions

25 Series Dial Indicator
Cat. No. 25-441J, EDP: 53295
• AGD Group 2, 2-1/4” (57mm) dial face
• Lightweight, sturdy case with lug-on-center back
• Interchangeable contact points
• Shockless hardened steel gear train and jewel bearings
• Easy-to-read dial. Reading 0-100
• Graduations: .001”, Range: 1.000”, .100” per revolution

81 Series Dial Indicator
Cat. No. 81-142J, EDP: 53402
• AGD Group 1, 1-11/16” (43mm) dial face
• Lightweight, sturdy case with stainless steel rack and lug-on-center back
• Shockless, hardened steel gear train and jewel bearings
• Easy-to-read with balanced and tapered hands. Dial reading 0-10-0
• Graduations: .001”, Range: .050”, .020” per revolution

657A Swivel Post Magnetic Indicator Base
Cat. No. 657A, EDP: 52744
• Powerful, permanent magnetic base with precision ground magnetic surfaces on three sides. Button turns magnet on or off
• Works with Starrett Test, AGD, Dial similar indicators
• Universal adjustment swivel post for horizontal and vertical adjustment
• 2” upper arm swings over 180º, 5/16” diameter with 7/32”, 1/2” step
• Fine adjustment screw to zero set indicator

660 Magnetic Indicator Base
Cat. No. 660, EDP: 68621
• Magnetic base indicator holder with triple-jointed arm
• Small, powerful magnetic base, with 70 lbs. of holding force. Rotary switch turns magnet on and off
• Three adjustable pivots controlled by a single knob for fast, easy indicator positioning

568 V Block & Clamp
Cat. No. 568A, EDP: 52590
• Rugged and versatile block is of hardened steel, precision ground parallel and square
• V-grooves are ground central and parallel to the sides and base
• Block is 2-1/2” x 3” x 2” with 2” (50mm) Round, 1-7/16” (36mm) Square Capacity
• Clamp can be used on the base, ends or sides. Stepped grooves permit high or low mounting
• Clamp screw holes at 45º and 90º to hold either square or round work
• 3/8-16 tapped holes permit block mounting
• Matched sets available for larger parts

See complete information & specifications at www.starrett.com
Fixed Gage Standards

Invaluable for quickly checking spacing, hole size and other dimensions

**Thickness Gages**
Cat. No. 66, EDP: 50314
Cat. No. 66T, EDP: 50315
- Ideal for gaging narrow slots
- Leaves made of finest tempered-steel, carefully finished to correct thickness, individually tested and marked
- Locking to securely lock one or more leaves in position
- Leaves easily removed or replaced
- Rugged, substantial steel case protects leaves

No. 66T has 26 tapered leaves, 1/2-1/4 x 3-1/32”
No. 66 & 66T each have 26 leaves ranging from .0015” to .025” (.0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025”)

**6 Screw Pitch Gage**
Cat. No. 6, EDP: 50035
- Quickly determine the pitch of various threads
- Sturdy steel case with a number of folding leaves
- Each leaf has teeth corresponding to the pitch marked on it
- V, Unified, American National 60º threads
- 30 leaves from 4 to 42 threads per inch (4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 30, 32, 34, 36, 38, 40, 42)

**S829 Small Hole Gage Set**
Cat. No. S829EZ, EDP: 53074
- Hardened-ball measuring surface with two-point contact ideal for accurately measuring small holes, slots, grooves, and recesses
- Radius is less than the minimum diameter to be measured to ensure two-point contact
- Safety stop prevents adjustment of the gage beyond its range to prevent breakage
- The final size is determined by measuring over the ball contacts with a micrometer
- Set includes case and four gages to measure from .125 – .500”:

Specifications subject to change.
**T-Handle Tap Wrenches**  
Cat. No. 93A, EDP: 50427;  
Cat. No. 93B, EDP: 50428  
- Securely holds taps, drills, reamers and other small tools to be turned by hand  
- Body is centered, so a lathe center or an upright drilling machine can start the tap straight  
- Sliding handle held by friction  
- **93A:** Tap size: 1/16-3/16”, Square shank: 1/16-5/32”, Length: 2”  
- **93B:** Tap size: 7/32-7/16”, Square shank: 5/32-1/4”, Length: 2-1/2”

**S162Z Pin Vise Set**  
Cat. No. S162Z, EDP: 50604  
- Ideal for use with small drill bits  
- Small body for fast opening and closing and rapid rotation between the thumb and finger when used on small work  
- Hardened jaws  
- Four piece set range: 0-.040”, .030-.062”, .050-.125”, .115-.187”  
- Hole extends through full length of the handle

**S565WB Drive Pin Punch Set**  
Cat. No. S565WB, EDP: 52586  
- Punches are well proportioned, hardened, properly tempered, nicely finished, and have a knurled finger grip  
- Each punch has the size stamped on the head  
- Used to drive roll pins from stock and similar tasks  
- Set includes round plastic case with eight 4” long punches  

**815 Toolmakers’ Hammer**  
Cat. No. 815, EDP: 53041  
- Ideal for precise striking or tapping  
- The hammer is light (only 4 oz.) but is made of a steel forging for strength and rigidity.  
- Both flat and ball peen heads are hardened and are offset for use close to obstructions.  
- A magnifying lens, mounted in rubber for shock resistance, is built into the head, making it easy to spot the punch and strike without removing eyes from the work  
- Attractive chromium plated finish
S551Z-7 Screwdriver Set
Cat. No. S551Z-7, EDP: 67203
• Precision-machined tips for top quality and exact fit
• Vapor-chromed non-slip tips, hardened for maximum durability
• Tapered soft-touch handles allow rapid rotation
• Spin-free finger control cap for precise turning and control
• Set of 7 with case. Straight blades with tip diameters of .060” (1.5mm), .080” (2.0mm), .100” (2.5mm), and .120” (3.0mm) and Phillips sizes #00, #0, and #1

S555Z-7 Screwdriver Set
Cat. No. S555Z-2, EDP: 52566
• Ideal for relatively small and very delicate work.
• The bodies are made from steel, nicely knurled and nickel-plated
• The blades are made from the best quality steel, properly tempered and nickel-plated
• Blades are replaceable
• When not in use, the blades can be reversed into the screwdriver body
• Set of 7 in Case. .025” (0.6mm), .040” (1.0mm), .055” (1.4mm), .070” (1.8mm), .080” (2.0mm), .100” (2.5mm), and #0 Phillips

LUBRICANTS
High quality lubricants ideal for firearms maintenance
M1 All-Purpose Lubricant
• Simultaneously dries as it protects, avoiding dirt and grime
• Penetrates quickly to free frozen nuts, bolts and metal parts
• Prevents rust and corrosion by providing a molecular shield that locks to the metal
• Dries to leave a film that protects and lubricates without silicone
• Nonconductive, preventing short circuits
• Non-soluble in water so it displaces moisture to lift it away from the surface to be protected

1620 Tool & Instrument Oil
Cat. No. 1620, EDP: 53216
• Extra-fine all-purpose lubricant ideal for precision mechanisms such as firearms
• Provides thorough lubrication of close-fitting parts and that holds up even in extremes of high and low temperatures
• Provides a strong lasting film over all areas requiring protection against rust.
Precision Measuring Tools for Ammunition Reloading and Gunsmiths

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