

Starrett®

PRECISION HAND TOOLS

S I N C E 1 8 8 0



CATALOGUE 33E
REVISED 2024

PRECISION, QUALITY, INNOVATION

Welcome to our new Catalogue 33.2.

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

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

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

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



President and CEO



PRECISION HAND TOOLS

MICROMETERS

- Electronic Micrometers
- Inside Micrometers
- Outside Micrometers
- Depth Micrometers
- Micrometer Parts

5

CALIPERS & DIVIDERS

- Spring-type Calipers
- Carpenters' Dividers
- Firm and Lock-Joint Calipers
- Vernier Calipers
- Dial Calipers
- Electronic Calipers

14

DIAL INDICATORS & GAUGES

- Dial Test Indicators
- Dial Indicators
- Indicator Parts
- Rule Depth Gauge
- Thickness Gauges / Feeler Stock
- Screw Pitch Gauges
- Fillet / Radius Gauges
- Telescoping Gauges
- Taper Gauges
- Edge Finders
- Centre Finders

22



CONTENTS

RULES, SQUARES & PARALLELS

- Combination Squares
- Squares
- Precision Steel Rules
- Adjustable Parallels

32



PUNCHES

- Automatic Centre Punches
- Centre Punches
- Prick Punches
- Drive Pin Punches
- Brass Drive Pin Punches

43



LEVELS

- Bench Levels
- Pocket Levels
- Cross Test Levels

49



SHOP TOOLS

- Tap Wrenches
- Parallel Clamps
- Steel Clamps
- Jack Screws
- Pin Vises
- Magnetic Base Indicator
- Dial Bore Gauges

52



CONTENTS



MICROMETERS

3732 ELECTRONIC MICROMETERS WITHOUT DATA OUTPUT

0-1" / 0-75MM

The 3732 Electronic Micrometer is a full-featured precision measuring tool built with customary Starrett quality and workmanship. The 3732 includes a large, easy-to-read, high contrast LCD digital readout for clear readings. With its automatic OFF functionality, smooth friction thimble for uniform pressure, and balanced frame design, the 3732 provides comfortable and accurate measuring.

FEATURES AND SPECIFICATIONS

- Automatic OFF after 30 minutes of non-use
- .250" (6.35mm) spindle diameter
- No-glare black wrinkle finish on frame
- No-glare satin chrome finish on thimble and sleeve
- Ring-type knurled lock nut for quick and sure locking
- English/Metric models feature inch graduations on shell and thimble
- Metric/English (ME) models have mm graduations on shell and thimble
- Instant inch/millimetre conversion
- Measurement HOLD button
- Ability to zero tool at any position
- Ability to retain and return to the true zero reading of the micrometer
- PRESET button to install any reading at any position
- Includes one 3-volt battery for over one year of normal usage

3732 Metric/Inch Micrometers without Output

Item Number	Global Item Number	Range	Approx.	mm	Inch	mm	Inch	Status*	Country of Origin
DR905251	3732MEXFL-25	0-25mm	0-.984"	0.001	0.00005	± 0.002	± 0.0001	MTS	CN
DR905253	3732MEXFL-75	50-75mm	1.968-2.953"	0.001	0.00005	± 0.003	± 0.0001	MTO	CN
DR9052451	3732XFL-1	0-1"	0-25.4mm	0.001	0.00005	± 0.002	± 0.0001	MTO	CN

All electronic micrometers include protective case

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



MICROMETERS

PRECISION, QUALITY, INNOVATION

124 SOLID-ROD INSIDE MICROMETER SETS

2-32" / 50-800MM

These are the most popular inside micrometers because of their lightness, ease of use, and range. They are very useful for measuring inside diameters of cylinders and rings, measuring parallel surfaces, etc.

The desired range is obtained by assembling rods and spacing collars to the micrometer head. Measuring rods are provided with a shoulder that is set accurately in the micrometer head and locked in position. When assembling rods to the A and B heads, the reading line on the micrometer head should be lined up with the marking on each rod (except for the 2-3" and the 50-75mm rods).

Rod diameters are approximately 1/4" (6mm) on the A and B sizes, and approximately 11/32" (8.5mm) on the C size. Each rod has individual length adjustment for the anvil by means of special wrenches furnished.

- Measuring rods are solid and assembled on one side of the micrometer head
- Insulated rods marked with length
- Hardened and ground anvils on rods, adjustable for length. Head anvil is hardened and ground
- Quick-reading figures - every thousandth numbered on inch reading tools
- Convenient handle is available to provide reach for use in deep holes. Handle screws into the micrometer head in place of the dummy screw, which is opposite a rod lock screw. Distance from the end of the handle to the centre line is 6-1/4" (158mm)



124MAZ



HARDENED AND GROUND ANVILS ON RODS, ADJUSTABLE FOR LENGTH. HEAD ANVIL IS HARDENED AND GROUND

124M Solid-Rod Inside Micrometer Sets (0.01mm Graduation)

Item Number	Global Item Number	Range	Screw Movement	Measuring Rods	Spacing Collars	With Case	Status*	Country of Origin
BR452	124MAZ	50-200mm	13mm	6	One 12mm	X	MTS	CN
BR462	124MBZ	50-300mm	13mm	10	One 12mm	X	MTS	CN
BR472	124MCZ	200-800mm	25mm	4	One 25mm / Two 50mm	X	MTO	CN

124 Solid-Rod Inside Micrometer Sets (.001" Graduation)

Item Number	Cat. No.	Range	Screw Movement	Measuring Rods	Spacing Collars	With Case	Status*	Country of Origin
BR412	124AZ	2-8"	1/2"	6	One 1/2"	X	MTS	CN
BR422	124BZ	2-12"	1/2"	10	One 1/2"	X	MTS	CN
BR432	124CZ	8-32"	1"	4	One 1" / Two 2"	X	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

MICROMETERS

THE WORLD'S GREATEST TOOLMAKERS

Starrett®

436.1 OUTSIDE MICROMETERS

0-8"

These are the most popular precision micrometers used by skilled workmen worldwide. They are accurate, rugged, and easy to use. The 0-8" sizes have rugged spindles and anvils at .250" (6.35mm) diameter. No one in the world has a list of micrometers that caters to individual taste like Starrett. If you don't see what you want please ask for it.

FEATURES AND SPECIFICATIONS

- Starrett satin chrome finish - no glare - resists rust
- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability
- Balanced frame and thimble design ensure easy handling
- Ring-type knurled lock nut for quick and sure locking
- Smooth friction thimble for uniform pressure, the combination ratchet and speeder for uniform pressure and quicker adjustment, or a plain micrometer that depends on your own "feel"
- Gracefully designed tapered frame for use in narrow slots and tight places
- Rigid steel frame ribbed for extra strength on sizes through 6" (150mm)
- Extremely hard and stable one-piece spindle (the heart of our accuracy)
- Quick and easy adjustment



EXCLUSIVE CASE



436.1 Outside Micrometers

Item Number	Global Item Number	Graduation	Capacity	Status*	Country of Origin
CU9412	T436.1XRL-1	.0001"	0 - 1"	MTS	CN
CU9428	T436.1XRL-2	.0001"	1 - 2"	MTS	CN
CU9442	T436.1XRL-3	.0001"	2 - 3"	MTO	CN
CU94710	T436.1XRL-6	.0001"	5 - 6"	MTO	CN
CU9477	T436.1XRL-8	.0001"	7 - 8"	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

MICROMETERS

PRECISION, QUALITY, INNOVATION

436.1 OUTSIDE MICROMETERS

0-475MM/0-9"

These are the most popular precision micrometers used by skilled workmen worldwide. They are accurate, rugged, and easy to use with rugged spindles and anvils at 6.35mm (.250") diameter.

FEATURES AND SPECIFICATIONS

- Starrett satin chrome finish - no glare - resists rust
- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability
- Balanced frame and thimble design ensure easy handling
- Ring-type knurled lock nut for quick and sure locking
- Smooth friction thimble for uniform pressure, the combination ratchet and speeder for uniform pressure and quicker adjustment, or a plain micrometer that depends on your own "feel"
- Gracefully designed tapered frame for use in narrow slots and tight places
- Rigid steel frame ribbed for extra strength on sizes through 150mm (6")
- Extremely hard and stable one-piece spindle (the heart of our accuracy)
- Quick and easy adjustment



436.1 Outside Micrometers Metric 0-475mm					
Item Number	Global Item Number	Range	Graduation	Status*	Country of Origin
CU9504	436.1MXRL-25	0-25mm	0.01mm	MTS	CN
CU9514	436.1MXRL-50	25-50mm	0.01mm	MTS	CN
CU9522	436.1MXRL-75	50-75mm	0.01mm	MTS	CN
CU9532	436.1MXRL-100	75-100mm	0.01mm	MTS	CN
CU9552	436.1MXRL-150	125-150mm	0.01mm	MTS	CN
CU9560	436.1MXRL-175	150-175mm	0.01mm	MTO	CN
CU9570	436.1MXRL-200	175-200mm	0.01mm	MTO	CN
CU9593	436.1MXRLZ-375	350-375mm	0.01mm	MTO	CN
CU9597	436.1MXRLZ-475	450-475mm	0.01mm	MTO	CN

436.1 Outside Micrometers Inch 0-9"					
Item Number	Global Item Number	Range	Graduation	Status*	Country of Origin
CU9408	436.1XRL-1	0-1"	.001"	MTS	CN
CU9424	436.1XRL-2	1-2"	.001"	MTS	CN
CU9438	436.1XRL-3	2-3"	.001"	MTO	CN
CU9450	436.1XRL-4	3-4"	.001"	MTO	CN
CU9478	436.1XRL-9	8-9"	.001"	MTO	CN

Sent in fitted plastic case.

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



436.1XRL-1

MICROMETERS

436.1 OUTSIDE MICROMETERS

0-50MM

These are the most popular precision micrometers used by skilled workmen worldwide. They are accurate, rugged, and easy to use. The 0-50mm sizes have rugged spindles and anvils at 6.35mm (.250") diameter.

FEATURES AND SPECIFICATIONS

- Starrett satin chrome finish - no glare - resists rust
- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability
- Balanced frame and thimble design ensure easy handling
- Ring-type knurled lock nut for quick and sure locking
- Smooth friction thimble for uniform pressure, the combination ratchet and speeder for uniform pressure and quicker adjustment, or a plain micrometer that depends on your own "feel"
- Gracefully designed tapered frame for use in narrow slots and tight places
- Rigid steel frame ribbed for extra strength on sizes through 150mm (6")
- Extremely hard and stable one-piece spindle (the heart of our accuracy)
- Quick and easy adjustment



V436 Outside Micrometers

Item Number	Global Item Number	Graduation	Range	Status*	Country of Origin
CU9508	V436.1MXRL-25	0.001mm	0-25mm	MTS	CN
CU9516	V436.1MXRL-50	0.01mm	25-50mm	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

ATTACHMENTS 247M MICROMETER BALL

Outside micrometers and micrometer heads having spindle sizes listed below can be instantly converted for measuring wall thickness of tubing, split and full bearings, sleeves and other parts with rounded surfaces by means of the 247 ball attachment.

FEATURES AND SPECIFICATIONS

- Easily applied by snapping on to end of either anvil or spindle, thus permitting two attachments to be used together
- Balls are hardened, measure 5mm in diameter, and move freely in the retainer, insuring positive contact with anvil and spindle
- The diameter 5mm of each ball used must be subtracted from the micrometer reading
- All metal construction



Attachments 247M Micrometer Ball

Item Number	Global Item Number	Description	Status*	Country of Origin
CE222	247MD	For 216M and 436.1M Micrometers, 6.35mm diameter Anvil and Spindle	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

MICROMETERS

PRECISION, QUALITY, INNOVATION

3680MXLR MECHANICAL MICROMETER

0-50MM

Crafted with precision in a one-piece steel frame, its ribbed construction ensures durability and strength. The satin chrome finish on the thimble and sleeve, along with distinct figures and staggered lines, guarantees precise readings. The package includes an end measuring rod for a 50mm range, a silver wrench for convenience, and a multilingual instruction manual in seven languages.

FEATURES AND SPECIFICATIONS

- Economic design with high quality
- End measuring rod or "standard" comes with micrometers over 50mm range
- Smooth ratchet stop and friction thimble for uniform pressure
- Rigid one-piece steel tapered frame ribbed for extra strength with black wrinkle paint
- Satin chrome finish thimble and sleeve, with staggered lines and distinct figures for precise and easy readability
- 0-25mm or 0-50mm options
- Silver wrench included in packaging
- Comes with instruction Manual in 7 languages



3680MXRL-25



Item Number	Global Item Number	Graduation	Accuracy	Range	Status*	Country of Origin
3680MXRL-25	3680MXRL-25	0.01mm	0.004	0-25mm	MTS	CN
3680MXRL-50	3680MXRL-50	0.01mm	0.004	0-50mm	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

3680MXRL-50



MICROMETERS

440 DEPTH MICROMETERS

0-225MM / 0-9"

FEATURES AND SPECIFICATIONS

- The depths of holes, slots, shoulders and projections can be measured to 0.01mm or .001" with these fine tools
- 440 Gauges furnished with a 63.5mm (2-1/2") base and 3.2mm (1/8") diameter measuring rods
- Combination ratchet and speeder for uniform pressure and quicker adjustment
- Ring-type lock nut for quick and sure locking

440 Depth Micrometers							
Item Number	Global Item Number	Range	Base	Rods	Rod Dia.	Status*	Country of Origin
CV147	440MZ-75RL	0-75mm	63.5mm	3	3.2mm	MTO	CN
CV152	440MZ-150RL	0-150mm	63.5mm	6	3.2mm	MTS	CN
CV157	440MZ-225RL	0-225mm	63.5mm	9	3.2mm	MTO	CN
CV132	440Z-6RL	0-6"	2-1/2"	6	1/8"	MTS	CN
CV142	440Z-9RL	0-9"	2-1/2"	9	1/8"	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

445 Depth Micrometers							
Item Number	Global Item Number	Range	Base	Rods	Rod Dia.	Status*	Country of Origin
CV437	445MAZ-75RL	0-75mm	75mm	3	4mm	MTO	CN
CV442	445MAZ-150RL	0-150mm	75mm	6	4mm	MTO	CN
CV447	225RL	0-225mm	75mm	9	4mm	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.



440MZ-75RL

COMBINATION RATCHET AND SPEEDER FOR UNIFORM PRESSURE AND QUICKER ADJUSTMENT

MICROMETERS

NEW

762XFL SERIES ELECTRONIC MICROMETER

0-1" / 0-25MM

READABILITY FEATURES

- Large digital readout is easy to read, reducing errors
- Conventional inch or millimeter graduations standard
- Attractive black wrinkle finish on frame
- Starrett no-glare satin chrome finish on thimble and sleeve

EASE-OF-HANDLING FEATURES

- Ring-type knurled lock nut
- Smooth friction thimble for uniform pressure on regular heads and combination ratchet and speeder on non-rotating heads

ACCURACY AND LONG-LIFE FEATURES

- Extremely hard and stable one-piece spindle (the heart of our accuracy)
- Micro-lapped carbide face
- One 3-volt battery furnished for over a year of normal usage
- Auto OFF after 30 minutes of nonuse

FULL-FUNCTION ACTION FEATURES

- Inch/millimeter conversion
- "ME" millimeter models turn on in millimeter mode after battery installation
- Measurement HOLD button
- Ability to zero tool at any position
- Ability to retain and return to the true zero reading of the micrometer
- PRESET button to install any reading at any position
- RS232 data output port
- Works well with Starrett Datasure® Wireless Data Collection Systems

762XFL Series Electronic Micrometer Heads with rotating or non-rotating spindles (with output)

Item Number	Global Item Number	Range	Status*	Country of Origin
DM3905	762XFL	0-1" / 0-25mm	MTO	CN
DL966905	733.1XFLZ-16	375-400mm	MTO	CN
DL966920	733.1MEXFL-25	0-25mm	MTO	CN
DL966936	733.1MEXFLZ-425	400-425mm	MTO	CN
DL966910	733.1XFLZ-21	500-525mm	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



INDUSTRY 4.0
READY



MICROMETERS

THE WORLD'S GREATEST TOOLMAKERS

Starrett®



CALIPERS & DIVIDERS

73, 79, 83 “YANKEE” SPRING-TYPE CALIPERS AND DIVIDERS WITH FLAT LEGS AND QUICK-SPRING OR SOLID NUT

4, 6, 8, 12”/100, 150, 200, 300MM

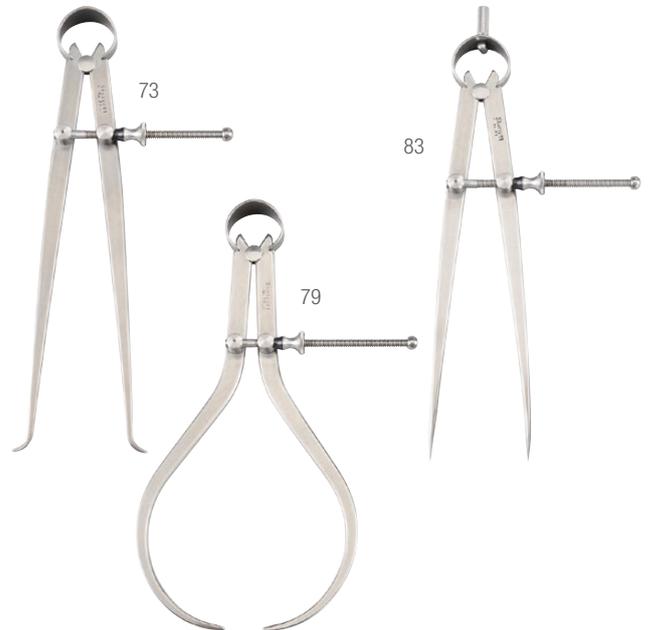
“Yankee” Calipers and Dividers are made from a high-grade steel and well-finished. The legs are made of flat stock and are very durable. The fulcrum stud is hardened and has a smooth bearing surface. The bow spring, although flexible, is exceedingly strong to assure reliability.

73 “Yankee” Spring-Type Inside Calipers					
Solid Nut Item Number	Global Item Number	Size and Approx. Capacity		Status*	Country of Origin
		Inch	mm		
BN168	73A-4	4	100	MTO	USA
BN173	73A-6	6	150	MTO	USA
BN177	73A-8	8	200	MTO	USA
BN187	73A-12	12	300	MTO	USA
BN198	73B-4	4	100	MTO	USA
BN203	73B-6	6	150	MTO	USA
BN217	73B-12	12	300	MTO	USA

79 “Yankee” Spring-Type Outside Calipers					
Solid Nut Item Number	Global Item Number	Size and Approx. Capacity		Status*	Country of Origin
		Inch	mm		
BN689	79A-4	4	100	MTO	USA
BN693	79A-6	6	150	MTO	USA
BN697	79A-8	8	200	MTO	USA
BN707	79A-12	12	300	MTO	USA
BN718	79B-4	4	100	MTO	USA
BN723	79B-6	6	150	MTO	USA

83 “Yankee” Spring-Type Dividers					
Solid Nut Item Number	Global Item Number	Size and Approx. Capacity		Status*	Country of Origin
		Inch	mm		
BO268	83A-4	4	100	MTO	USA
BO273	83A-6	6	150	MTO	USA
BO277	83A-8	8	200	MTO	USA
BO287	83A-12	12	300	MTO	USA
BO298	83B-4	4	100	MTO	USA
BO303	83B-6	6	150	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).



274, 275 & 277 TOOLMAKERS' SPRING-TYPE CALIPER AND DIVIDERS WITH ROUND LEGS AND SOLID NUT

3, 6”/75, 150MM

Toolmakers' Calipers and Dividers are the finest tools of their type. Designed for toolmakers and all good mechanics who require finer adjustment and better balance so a more sensitive “feel” can be obtained. Precision made to rigid Starrett standards throughout.

The fulcrum stud is hardened and the bearing surfaces of the legs are large enough to prevent any side deflection. The bow spring is strong and flexible, and the adjustment is centrally located in the legs to assure smooth action.

274 & 275 Toolmakers' Spring-Type Caliper					
Outside Calipers		Size and Approx. Capacity		Status*	Country of Origin
Item Number	Global Item Number	Inch	mm		
CJ257	274-3	3	75	MTO	USA
CJ267	274-6	6	150	MTO	USA
CJ387	275-6	6	150	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).



277 Toolmakers' Dividers					
Dividers Item Number	Global Item Number	Size and Approx. Capacity		Status*	Country of Origin
		Inch	mm		
CJ497	277-3	3	75	MTO	CN
CJ507	277-6	6	150	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

CALIPERS & DIVIDERS

92 CARPENTERS' DIVIDERS

6, 9" / 150, 225MM

These dividers combine rigidity, light weight and easy handling. The legs are forged steel, well-shaped, properly tempered and highly polished. The adjustable point may be quickly removed and a common pencil inserted in its place.

FEATURES

- Sturdy construction of the joint eliminates side deflection of the legs
- Quadrant adjusting nut allows fine-adjustments for close measurements
- Check nut located between the legs locks the legs in place



92-6

92 Carpenters' Dividers					
Dividers Item Number	Global Item Number	Size**		Status*	Country of Origin
		Inch	mm		
BP182	92-6	6	150	MTO	USA
BP187	92-9	9	225	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

** Actual capacity is one-third greater than the listed size.

FIRM AND LOCK-JOINT CALIPERS

26 (OUTSIDE)

12" / 300MM

- Improved joint designed for tension adjustment
- Tension will not change with leg movement
- Legs are made from a high-grade steel, are ruggedly constructed and well-finished

Firm and Lock-Joint Calipers					
Item Number	Global Item Number	Size**		Status*	Country of Origin
		Inch	mm		
BJ517	26-12	12	300	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

** Actual capacity is one-third greater than the listed size.



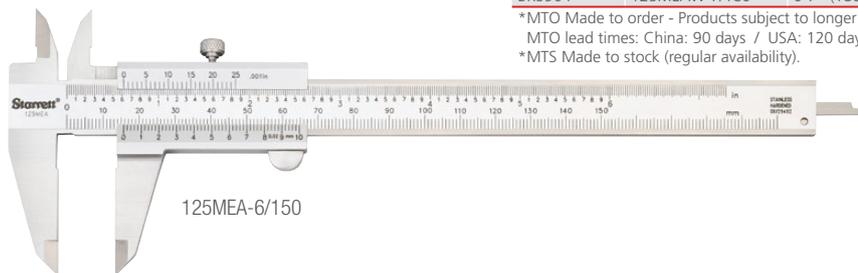
26-12

CALIPERS & DIVIDERS

125 VERNIER CALIPERS

0-300MM/0-12"

- High quality, basic vernier caliper that offers inch and metric measurement
- Lock screw for sliding jaw
- Hardened stainless steel depth rod
- Graduations: 0.02mm metric, .001" inch
- Sharp, black graduations on the satin finished bar
- Fitted plastic case



125MB Vernier Caliper				
Item Number	Global Item Number	Range	Status*	Country of Origin
BR5822	125MB-150	0-150mm	MTS	CN
BR5820	125MA-150	150mm	MTO	CN
BR5824	125MA-200	200mm	MTO	CN
BR5828	125MA-300	300mm	MTO	CN

125MEA Vernier Calipers				
Item Number	Global Item Number	Range	Status*	Country of Origin
BR550	125MEA-6/150	0-6" (0-150mm)	MTS	CN
BR578	125MEA-8/200	0-8" (0-200mm)	MTS	CN
BR564	125MEA-12/300	0-12" (0-300mm)	MTO	CN
BR587	1251MEA-20/500	0-20" (500mm)	MTO	CN
BR588	1251MEA-24/600	0-24" (600mm)	MTO	CN
BR5890	1251MEA-40/1000	0-40" (1000mm)	MTO	CN

125MEB Vernier Calipers				
Item Number	Global Item Number	Range	Status*	Country of Origin
BR555	125MEB-6/150	0-150mm (0-6")	MTS	CN
BR561	125MEB-8/200	0-200mm (0-8")	MTS	CN
BR567	125MEB-12/300	0-300mm (0-12")	MTO	CN
BR5902	125MEAW-5/130	0-5" (130mm)	MTO	CN
BR5904	125MEAW-7/180	0-7" (180mm)	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

120 DIAL CALIPER

0-150MM

The Only American Made Dial Caliper ...

This is one of the handiest measuring tools available, used by mechanics and toolmakers everywhere. It is direct reading, reliable and accurate.

READABILITY FEATURES

- Sharp, clear dial graduations of 2mm in one revolution
- Sharp, black graduations on the satin finished bar, every 1mm

120 Dial Calipers (0.02mm Graduation)						
Item Number	Global Item Number	Range	Dial Colour	Jaw Depth (mm)	Status*	Country of Origin
BQ962	120AM-150	0-150mm	Yellow	16	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

120AM-150 metric dial caliper



EASE-OF-HANDLING FEATURES

- Knife-edge contacts for both inside and outside measurements
- One hand use with the thumb-operated, fine adjustment roll
- Lock screw for dial bezel and for holding the sliding jaw in position
- Parallel lines can be scribed on a workpiece by setting the caliper jaw to the required dimensions, locking the movable jaw with the lock screw and then using the front edge of the fixed jaw as the scribing surface

ACCURACY AND LONG-LIFE FEATURES

- Hardened stainless steel bar, measuring surfaces, rack, gears and depth rod
- Positive, split-gear anti-backlash control
- Rack teeth point down to make it easy to shed foreign matter and thereby keep the area clean

CALIPERS & DIVIDERS



IP PROTECTION

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

First number 6: Totally protected against dust

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



Level Protection



INDUSTRY 4.0
READY

798 ELECTRONIC CALIPERS IP67 WITH AND WITHOUT DATA OUTPUT

0-24" / 0-600MM

The 798 Electronic Caliper features a large, easy-to-read, high contrast LCD readout. It includes IP67 protection against coolants, water, chips, dust and dirt often found in machine shop environments. Its induction type linear encoder system and Inch/millimetre conversion makes Starrett precision measuring tools the right choice for any job.

798A Electronic Calipers - Without Output				
Item Number	Global Item Number	Range	Status*	Country of Origin
DM6160	798A-6/150	150mm (0-6")	MTS	CN
DM6162	798A-8/200	200mm (0-8")	MTO	CN
DM6164	798A-12/300	300mm (0-12")	MTO	CN
798B Electronic Calipers - With Output				
Item Number	Global Item Number	Range	Status*	Country of Origin
DM6170	798B-6/150	150mm (0-6")	MTS	CN
DM6172	798B-8/200	200mm (0-8")	MTS	CN
DM6174	798B-12/300	300mm (0-12")	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

FEATURES

- IP67 level of protection
- Fine adjustment
- Hardened stainless steel measuring surfaces
- Large, easy-to-read, high-contrast LCD digital readout
- Induction type linear encoder system
- RS232 output
- Heavy-duty bar and slide
- Slide lock
- One 3-volt battery for over one year of normal usage
- In/mm conversion
- Zero at any position
- Auto-Off after 30 minutes
- Reactivation of display with no loss of position
- Works well with Starrett DataSure® Wireless Data Collection Systems

Approximate Jaw Depths for 798 Electronic Calipers			
	150mm (6")	200mm (8")	300mm (12")
Outside	38mm (1-1/2")	47.6mm (1-7/8")	63.5mm (2-1/2")
Inside	16mm (5/8")	19mm (3/4")	19mm (3/4")

CALIPERS & DIVIDERS

799 ELECTRONIC CALIPERS

The 799 Electronic Caliper is light, comfortable, easy-to-use, and constructed with features that have made Starrett slide calipers the machinist's first choice for many years. The 799 offers a slim, streamlined profile, a large, clear, easy-to-read LCD display, long battery life, and function buttons for zero and inch/mm.

FEATURES AND SPECIFICATIONS

- Lightweight, ergonomic design
- Inch/millimeter conversion reads 0.01mm or .0005"
- Easy access to the single, long-life battery
- Last measuring position retained when shut off
- Hardened stainless steel body for long life
- Fine adjustment thumb wheel
- Lock screw to hold the slide in position
- Resolution is 0.01mm, .0005"
- Zero at any position
- Large easy-to read LCD
- Preset and hold feature
- Minimum and maximum limits set
- I.D. jaw dimension is 20.32mm/0.800"
- LCD characters are 12.7mm, .50" high
- Auto shut-off after 30 minutes of non-use
- Fitted plastic case



799AZ-24/600

799 Electronic Calipers				
Item Number	Global Item Number	Range	Status*	Country of Origin
DM6302	799AZ-24/600	600mm (0-24")	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

Approximate Jaw Depths for 799 Electronic Calipers	
600mm (24")	
Outside	100mm (4")
Inside	17.46mm (11/16")

CALIPERS & DIVIDERS

EC799 ELECTRONIC CALIPERS WITH AND WITHOUT DATA OUTPUT

0-300MM/0-12"

The EC799 Electronic Caliper is light, comfortable, easy-to-use, and constructed with features that have made Starrett slide calipers the machinist's first choice for many years.

FEATURES AND SPECIFICATIONS

- Lightweight, ergonomic design
- Inch/millimetre conversion reads 0.01mm, .0005"
- Easy access to the single, long-life battery
- Last measuring position retained when shut off
- Hardened stainless steel body for long life
- Fine adjustment thumb wheel
- Lock screw to hold the slide in position
- Resolution is 0.01mm, .0005"
- Zero at any position
- Large easy-to-read LCD
- Automatic shut-off after 30 minutes of non-use
- Linear accuracy meets DIN862
- Integrated depth rod
- Fitted protective case
- Available with and without data output

BRAKE ROTOR CALIPERS ONLY

- Pointed contacts enable a user to accurately locate the deepest pits on a brake rotor, preventing "over-machining" when reconditioning
- Has the range that a micrometer cannot achieve in large auto industries
- The long jaws enable deep measurements to achieve a complete profile of a part's thickness
- Unique anvil configuration that increases reproducibility between users

EC799 Electronic Calipers

Item Number	Global Item Number	Range	Output	Status*	Country of Origin
DM63105	EC799A-6/150	0-150mm (0-6")	No	MTS	CN
DM63110	EC799A-8/200	0-200mm (0-8")	No	MTS	CN
DM63115	EC799A-12/300	0-300mm (0-12")	No	MTO	CN
EC799BF-6/150	EC799BF-6/150	0-6" (150mm)	Yes	MTS	CN
EC799BF-8/200	EC799BF-8/200	0-8" (200mm)	Yes	MTS	CN
EC799BF-12/300	EC799BF-12/300	0-12" (300mm)	Yes	MTO	CN
EC799BFUSB	EC799BFUSB	USB Output Cable for EC799BF Series	-	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

Approximate Jaw Depths for EC799 Electronic Calipers

	0-150mm (0-6")	0-200mm (0-8")	0-300mm (0-12")
Outside	38mm (1-1/2")	50.8mm (2")	63.5mm (2-1/2")
Inside	16mm (5/8")	19mm (3/4")	18.3mm (23/32")



CALIPERS & DIVIDERS

3202 DIAL CALIPERS

0-150MM

With the ability to provide quick, accurate measurement of O.D., I.D. and depth, the dial caliper is the most versatile precision hand tool on the market. These type of dial calipers have been first choice of metal working professionals for decades. Calipers are available in 150mm, 200mm and 300mm as well as 0-6, 0-8 and 0-12 inch versions.

READABILITY FEATURES

- Sharp, clear dial graduations of 0.02 with 2mm per revolution

EASE-OF-HANDLING FEATURES

- Knife-edge contacts
- Thumb-operated fine adjustment roll
- Adjustable bezel
- Lock screws for sliding jaw and dial bezel

ACCURACY AND LONG-LIFE FEATURES

- Hardened stainless steel bar, measuring surfaces, rack, gears and depth rod
- Positive, spring-loaded double pinion anti-backlash control
- Fitted case



3202 Dial Calipers				
Item Number	Global Item Number	Range	Status*	Country of Origin
DR94193	3202M-150	0-150mm	MTS	CN
DR94190	3202-6	0-6"	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

R120A-6

0-6"

This is one of the handiest measuring tools available, used by mechanics and toolmakers everywhere. It is direct reading, reliable and accurate.

READABILITY FEATURES

- Sharp, clear dial graduations of .001" or 0.02mm - .100" or 2mm in one revolution
- Sharp, black graduations on the satin finished bar, every .100" or 1mm
- Choice of black, red, or white inch dials; millimeter dials are yellow

R120A-6 Dial Calipers				
Item Number	Global Item Number	Range	Status*	Country of Origin
BQ9425	R120A-6	0-6"	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.

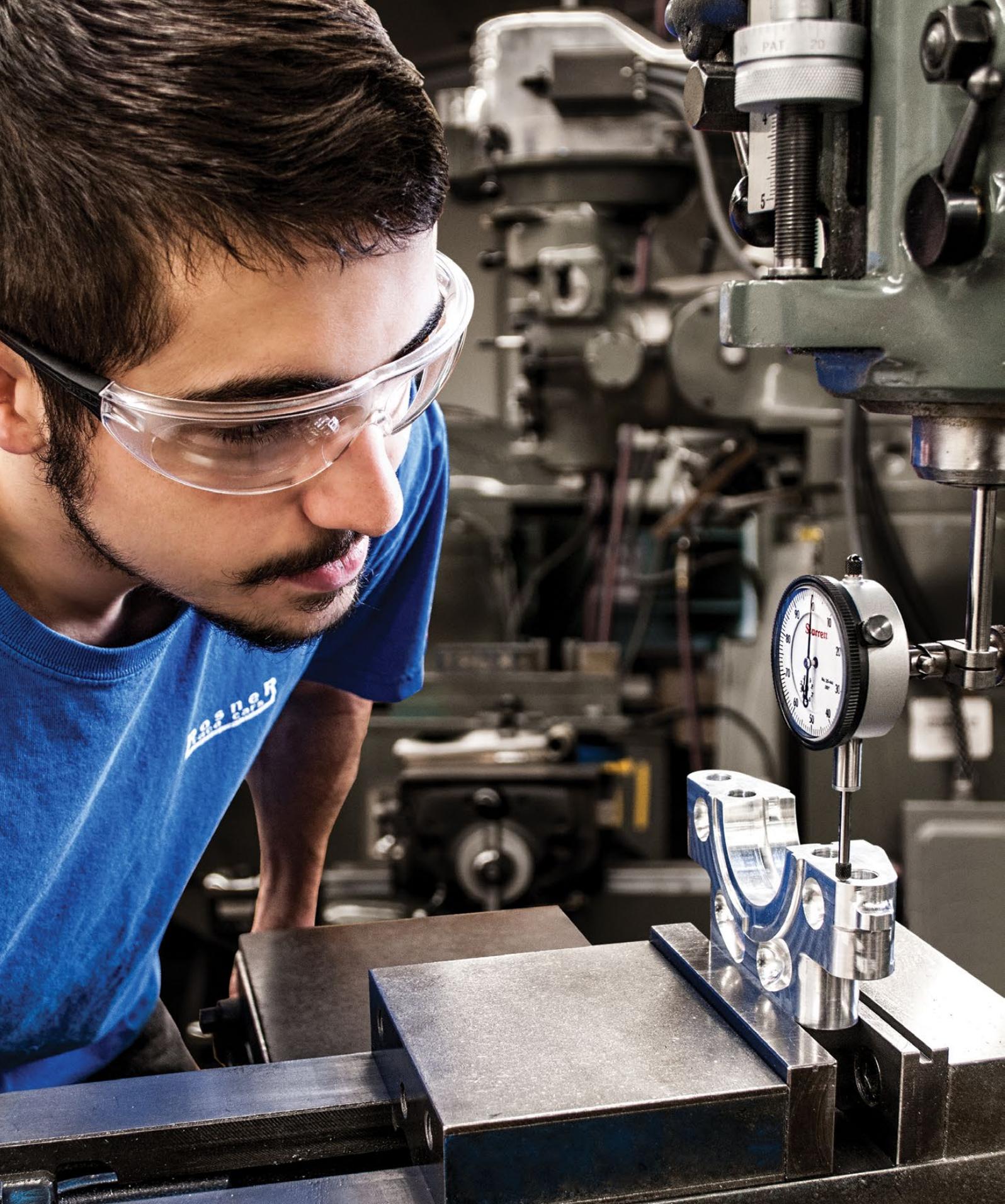
*MTS Made to stock (regular availability).



ACCURACY AND LONG-LIFE FEATURES

- Long-wearing carbide faces on outside contacts on model 120AX-6 and 120MX-150 only
- Hardened stainless steel bar, measuring surfaces, rack, gears and depth rod
- Positive, split-gear anti-backlash control
- Rack teeth point down to make it easy to shed foreign matter and thereby keep the area clean

CALIPERS & DIVIDERS



DIAL INDICATORS & GAUGES

Minneapolis
Precision Machine Works
MODEL SERIAL NO.
D675-95099

PRECISION, QUALITY, INNOVATION

3808 AND 3809 DIAL TEST INDICATORS

These dial test indicators are offered with choices of dial size, range and include accessories.

All 3808 and 3809 models have 1-1/4" (32mm) dial faces while 3908 and 3909 models offer a larger 1-9/16" (40mm) dial face.

Each inch reading and metric reading 3808 and 3809 is offered with a choice of two Graduation/Range/Reading configurations. Features include:

- Precision gear-driven design with smooth, jeweled movement
- Frictionally adjustable contact point reverses automatically, always maintaining clockwise hand rotation
- Meets or exceeds ANSI/ASME accuracy specifications
- High contrast, easy-to-read dials with yellow background for metric



3808 Metric Reading Indicator								
Item Number	Global Item Number	Grad	Range	Dial Reading	Dial Diameter	Description	Status*	Country of Origin
DR90585	3808MA	0.002mm	0.2mm	0-100-0	32mm	Indicator, 4mm contact point, 9.5mm and 4mm dovetail clamps and case	MTS	CN
DR90586	3808MAC	0.002mm	0.2mm	0-100-0	32mm	Indicator, 2mm and 4mm contact points, 9.5mm and 4mm dovetail clamps, 4mm swivel post holder, tool post holder, contact wrench and case	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

3809 Metric Reading Indicator								
Item Number	Global Item Number	Grad	Range	Dial Reading	Dial Diameter	Description	Status*	Country of Origin
DR9059	3809MA	0.01mm	0.8mm	0-40-0	32mm	Indicator, 4mm contact point, 9.5mm and 4mm dovetail clamps and case	MTS	CN
DR90596	3809MAC	0.01mm	0.8mm	0-40-0	32mm	Indicator, 2mm and 4mm contact points, 9.5mm and 4mm dovetail clamps, 4mm swivel post holder, tool post holder, contact wrench and case	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

DIAL INDICATORS & GAUGES

3025 DIAL INDICATORS

These indicators have stainless steel gear train and interchangeable per AGD design. This product is inspected and qualified according to ISO standards.

FEATURES AND SPECIFICATIONS

- Jeweled bearings
- Anti-magnetic and non-shock mechanism available
- Sharp bezel serrations for positive grip
- No-glare satin finish on case

3025 Dial Indicators

Item Number	Global Item Number	Range	Resolution	Status*	Country of Origin
BJ230	3025-257J	0.1mm	0.001mm	MTO	CN
BJ276	3025-481/5	5mm	0.01mm	MTS	CN
BJ275	3025-481	10mm	0.01mm	MTS	CN
BJ2765	3025-681	20mm	0.01mm	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



3025-481



3025-681



DIAL INDICATORS & GAUGES

ENGLISH AND METRIC THICKNESS GAUGES

0.03-5MM / .0015-.200"

These gauges are used in automotive, aviation, diesel and farm equipment manufacture and service and also in jig, fixture, gauge and experimental work. Especially useful in adjusting tappets, spark plugs, distributor points, checking bearing clearances and gear play, fitting pistons, rings and pins and gauging narrow slots. Made in a wide range of types and sizes, each having from 6 up to 26 leaves ranging in thickness', straight or tapered.

- Leaves made of finest tempered-steel, carefully finished to correct thickness, individually tested and marked with thickness
- Locking device on most gauges permits securely locking one or more leaves in position
- Leaves easily removed or replaced
- Rugged, substantial steel case protects leaves
- All include locking device

Inch Reading Thickness Gauges with Straight Leaves						
Item Number	Global Item Number	No. of Leaves	Size Leaves	(Range) Leaf Thickness	Status*	Country of Origin
BM597	66	26	1/2 x 3-1/32"	.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	MTS	CN
BM602	66B	31	1/2 x 3-1/32"	.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, .026, .028, .030, .032, .035	MTS	CN
CX572	467	13	1/2 x 4-1/2"	.0015, .002, .003, .004, .006, .008, .010, .020, .030, .040, .075, .100, .200	MTS	CN
Inch Reading Thickness Gauges with Tapered Leaves						
BM612	66T	26	1/2-1/4 x 3-1/32"	.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	MTS	CN
Millimetre Reading Thickness Gauges with Tapered Leaves						
BU762	173MAT	13	12.7-7 x 77mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50	MTS	CN
BU767	173MCT	13	12.7-7 x 152mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50	MTO	CN
Millimetre Reading Thickness Gauges with Straight Leaves						
BM607	66MA	20	12.7 x 77mm	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.0	MTS	CN
BU757	173MA	13	12.7 x 77mm	0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.30, 0.40, 0.50	MTS	CN
CX577	467M	13	12.7 x 114mm	0.04, 0.05, 0.06, 0.07, 0.08, 0.10, 0.15, 0.20, 0.30, 1.0, 2.0, 3.0, 5.0	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



66



66T



467M



66MA

DIAL INDICATORS & GAUGES

270 TAPER GAUGE

0.3-4MM / .010-.150"

- Very useful tool, especially for bearing work and for gauging slots
- Made of quality tool steel and accurately tapered throughout entire length for quick and convenient measuring
- 11mm (7/16") wide by 6-1/4" (160mm) long
- Can be used as a precision shim
- One side graduated from .010" to .150" in thousandths of an inch; the reverse side from 0.3mm to 4mm in one-twentieth of a mm (0.05mm)

270 Taper Gauge

Item Number	Global Item Number	Description	Status*	Country of Origin
CI913	270	Taper Gauge, .010-.150" (0.3-4mm) range	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



269 TAPER GAUGES

2-25MM / .100"-1"

- These gauges are for determining hole sizes in dies and all kinds of other work
- Read in 0.02mm
- Made of tempered steel with a locking device for fixing any leaf in position for use

269 Taper Gauges

Item Number	Global Item Number	Range	Graduation	Length	Leaves	Status*	Country of Origin
CI792	269A	.100-.500"	.001"	2-1/2"	8	MTO	USA
CI797	269B	.500-1"	.001"	2-3/4"	10	MTO	USA
CI802	269MA	2-12mm	0.02mm	64mm	10	MTO	USA
CI807	269MB	12-25mm	0.02mm	70mm	13	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

269MA



Taper Gauges

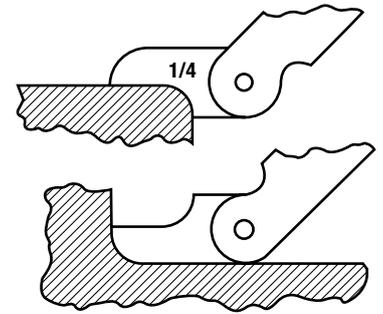
These are named "taper" gauges only because of their shape. They do not measure taper, but they do measure hole and slot sizes. They are quick to use, very accurate, and are a convenient size.

DIAL INDICATORS & GAUGES

272 FILLET OR RADIUS GAUGES

0.75-13MM/1/32"-33/64"

An external and internal radius on each leaf permits both concave and convex surfaces to be measured. The leaves are specially shaped for use in any position at any angle to measure fillets and radii in corners or against shoulders. Each leaf is stamped with the radius size and has an eccentric mounting for clearance between the leaf and the case when the gauge is opened.



272 Fillet or Radius Gauges - Millimetre and Inch Reading						
Item Number	Global Item Number	Range (Concave and Convex)	Increments	Leaves	Status*	Country of Origin
CJ132	272A	1/32-17/64"	64ths	16	MTO	USA
CJ137	272B	9/32-33/64"	64ths	16	MTO	USA
CJ142	272MA	0.75-5mm	0.25mm	18	MTO	USA
CJ147	272MB	5.5-13mm	0.5mm	16	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

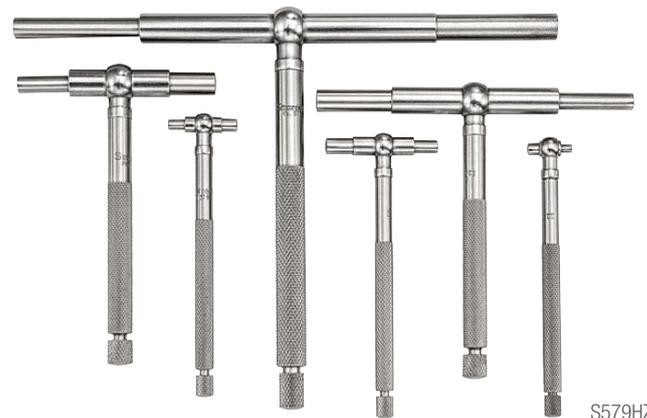
272MA



579 SELF-CENTRING TELESCOPING GAUGES WITH TWO TELESCOPING ARMS

8-150MM/5/16-6"

- Similar to the 229 Telescoping Gauge with a slightly greater range and two telescoping contacts
- Handles are rigidly attached to the contact plungers and are automatically self-centring
- Constant spring tension gives uniform contact pressure
- Both plungers are easily locked at any desired setting



S579HZ

579 Telescoping Gauges							
Item Number	Global Item Number	Range		Handle Length		Status*	Country of Origin
		Inch	mm	Inch	mm		
DC882	579C	3/4 - 1-1/4	19-32	2-3/8	60	MTO	CN

579 Telescoping Gauge Sets				
Item Number	Global Item Number	Description	Status*	Country of Origin
DC902	S579GZ	Set of 4, 579A, B, C, D in Case	MTS	CN
DC907	S579HZ	Set of 6, 579A, B, C, D, E, F in Case	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



DIAL INDICATORS & GAUGES

666 THICKNESS GAUGE OR “FEELER” STOCK IN ROLLS

This handy product includes thickness stock, housed in convenient rewindable dispenser rolls. Having the thickness stock in a case makes it very useful for cutting off the required length for adjusting tappets, spark plugs, distributor points, checking bearing clearances and gear play, fitting pistons, rings and pins, gauging narrow slots, etc. This stock is also useful for shimming in fixturing and die work.

- Handy 25' rolls and 1/2" wide, in a compact, sturdy plastic rewindable dispenser case. This case handles stock up to .015" only.
- Rewind feature permits retracting thinner feeler stock into the case, preventing damage
- Marked every 6" with a line, thickness in thousandths of an inch
- Case provides the ability to snip off the desired length without any waste



666-4

666 Thickness Gauge - Inch - Dispenser Case

Item Number	Global Item Number	Thickness	Length	Status*	Country of Origin
DH232	666-1	.001"	25'	MTS	CN
DH337	666-1.1/2	.0015"		MTS	CN
DH342	666-2	.002"		MTS	CN
DH347	666-2.1/2	.0025"		MTS	CN
DH352	666-3	.003"		MTS	CN
DH357	666-4	.004"		MTS	CN
DH362	666-5	.005"		MTS	CN
DH367	666-6	.006"		MTS	CN
DH372	666-7	.007"		MTS	CN
DH377	666-8	.008"		MTS	CN
DH382	666-9	.009"		MTO	CN
DH387	666-10	.010"		MTS	CN
DH397	666-12	.012"		MTS	CN
DH412	666-15	.015"		MTS	CN

666 Thickness Gauge - Inch - Cardboard Box

Item Number	Global Item Number	Thickness	Length	Status*	Country of Origin
DH422	666-17	.017"	20'	MTO	CN
DH437	666-20	.020"		MTS	CN
DH442	666-21	.021"		MTS	CN
DH462	666-25	.025"		MTS	CN
DH447	666-2	0.22		MTS	CN

666 Thickness Gauge - Inch - Cardboard Box

Item Number	Global Item Number	Thickness	Length	Status*	Country of Origin
DH230	666-1/2	.0005"	25'	MTO	USA

666 Thickness Gauge - mm - Dispenser Case

Item Number	Global Item Number	Thickness	Length	Status*	Country of Origin
DH467	666M-3	0.03mm	7.6m	MTS	CN
DH472	666M-4	0.04mm		MTS	CN
DH477	666M-5	0.05mm		MTS	CN
DH497	666M-10	0.10mm		MTS	CN
DH502	666M-15	0.15mm		MTS	CN
DH522	666M-35	0.35mm		MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



666-20

DIAL INDICATORS & GAUGES

667 THICKNESS GAUGES OR "FEELER" STOCK

.0005-.030" / 0.03-0.50MM

These gauges are widely used in automotive, aviation, diesel and farm equipment manufacture and service and also in jig, fixture, gauge and experimental work.

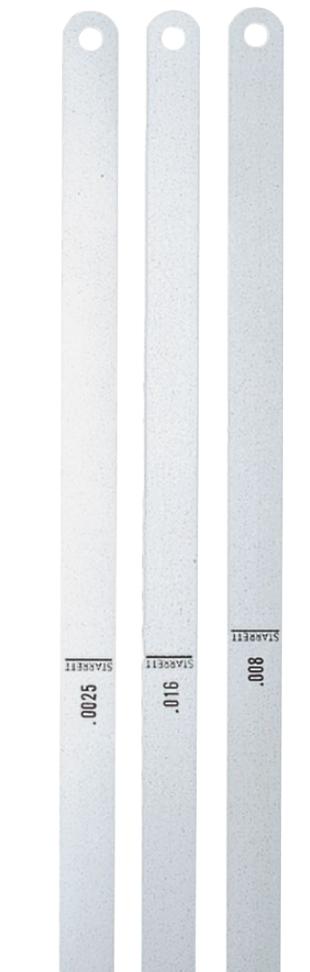
- Inch sizes are 12" long, 1/2" wide and furnished in 33 different thicknesses ranging from .0005-.030"
- Rounded ends make stock easier to work with
- Made of the finest tempered steel
- Each piece marked every 6" with thickness (exception 667-1/2) and in individual envelope
- With convenient 5mm (3/16") hole punched in the end for hanging

667 Thickness Inch Gauges - 12"				
Item Number	Global Item Number	Thickness	Status*	Country of Origin
DH637	667-1/2	.0005"	MTO	USA
DH642	667-1	.001"	MTS	CN
DH647	667-1.1/2	.0015"	MTS	CN
DH652	667-2	.002"	MTS	CN
DH657	667-2.1/2	.0025"	MTS	CN
DH662	667-3	.003"	MTS	CN
DH667	667-4	.004"	MTS	CN
DH672	667-5	.005"	MTS	CN
DH677	667-6	.006"	MTS	CN
DH682	667-7	.007"	MTS	CN
DH687	667-8	.008"	MTS	CN
DH692	667-9	.009"	MTS	CN
DH697	667-10	.010"	MTS	CN
DH702	667-11	.011"	MTS	CN
DH707	667-12	.012"	MTS	CN
DH712	667-13	.013"	MTS	CN
DH717	667-14	.014"	MTS	CN
DH722	667-15	.015"	MTS	CN
DH727	667-16	.016"	MTS	CN
DH732	667-17	.017"	MTS	CN
DH737	667-18	.018"	MTS	CN
DH742	667-19	.019"	MTS	CN
DH747	667-20	.020"	MTS	CN
DH752	667-21	.021"	MTS	CN
DH757	667-22	.022"	MTS	CN
DH762	667-23	.023"	MTS	CN
DH772	667-25	.025"	MTS	CN
DH777	667-26	.026"	MTS	CN
DH797	667-30	.030"	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

667M Thickness Millimeter Gauges - 300mm				
Item Number	Global Item Number	Thickness	Status*	Country of Origin
DH812	667M-3	0.03mm	MTS	CN
DH817	667M-4	0.04mm	MTS	CN
DH822	667M-5	0.05mm	MTS	CN
DH827	667M-6	0.06mm	MTS	CN
DH837	667M-8	0.08mm	MTS	CN
DH842	667M-10	0.10mm	MTS	CN
DH847	667M-15	0.15mm	MTS	CN
DH852	667M-20	0.20mm	MTS	CN
DH857	667M-25	0.25mm	MTS	CN
DH862	667M-30	0.30mm	MTS	CN
DH867	667M-35	0.35mm	MTS	CN
DH872	667M-40	0.40mm	MTS	CN
DH877	667M-45	0.45mm	MTS	CN
DH882	667M-50	0.50mm	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



THICKNESS GAUGE OR "FEELER" STOCK ASSORTMENTS

Individual Assortments				
Item Number	Global Item Number	Description	Status*	Country of Origin
DH802	S667A	Complete Starrett Inch Thickness Gauge Assortment - One Each, 32 Different Sizes	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

HANDY THICKNESS GAUGE ASSORTMENTS

Set consists of one each of 32 different pieces, 1/2" x 12" long from .001" through .030" thick (the entire individual range, with exception of the .0005" thickness).



DIAL INDICATORS & GAUGES

827 EDGE FINDERS

.375", .500" AND 10MM BODY DIAMETERS FOR FAST, ACCURATE WORK LOCATION

Work surfaces may be located easily, quickly and accurately with these edge finders. Work with flat, straight edges, shoulders, grooves, round work, studs, dowels or centre points and scribed lines - all can be accurately located with this handy tool. Body and contacts are made of tool steel, hardened, ground and lapped to close tolerances for diameter and concentricity.



HOW TO USE:

Edge finders are easy to use. They are placed in a collet or chuck. The worktable is then traversed to obtain contact between the rotating edge finder and the work. Contact will shift to concentric position relative to the body and with very slight additional table adjustment, will move off centre with a decided wobble. At this point, the centre of the finder is exactly one-half the diameter of the contact from the work edge, permitting accurate location for other machining operations relative to the edge.

For locating centre points and scribed lines, the pointed contact is used by putting a pencil or rule against the centre point and making it run concentrically. Then the point is brought down to the centre point or intersection of scribed lines and the table is adjusted so that when the tool barely touches the work, the lineup with the point in question can be ascertained.



Locating the edge of a part with 827MA



Locating the centre with 827MB

827 Edge Finders**						
Item Number	Global Item Number	Body Diameter	Contact Diameter	Description	Status*	Country of Origin
DN974	827A	.375"	.200"	Single End	MTS	CN
DN979	827B	.500"	.200" and pointed contact	Double End	MTS	CN
DN984	827MA	10mm	6mm	Single End	MTS	CN
DN985	827MB	10mm	6mm and pointed contact	Double End	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

**Furnished in attractive, protective case.

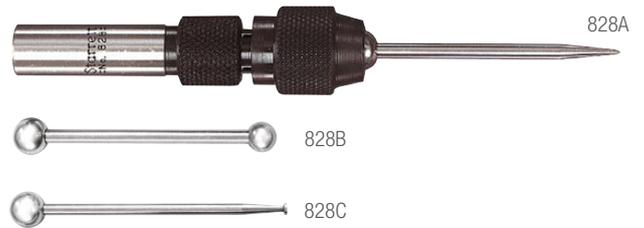
828 WIGGLER OR CENTRE FINDER WITH ATTACHMENTS

Wiggler/Centre Finder S828 and four different attachments adapt to countless applications and are readily interchangeable. The attachments are snapped in the chuck without removing the collet nut and are clamped by a ball swivel-joint that permits adjustment to an angular position or true concentricity.

With Pointed Shank 828A, working centres can be quickly and accurately located. Spring tension on the ball of the point permits guiding the point to true concentricity so that the work can be brought into perfect alignment with the machine spindle.

Ball Contact 828B is useful in locating work by first bringing the contact (ball diameter .250" or 6.35mm) against the work, a slot, hole, shoulder, or end, and indexing the work to the desired position relative to the spindle.

Disc Contact 828C, which has a small disc at the end (.100"/2.54mm) diameter, permits use in more confined areas such as slots or shallow holes.



Wiggler or Centre Finder with Attachments				
Item Number	Global Item Number	Description	Status*	Country of Origin
DO094	S828HZ	Wiggler/Centre Finder, Complete with case and 4 attachments, 828B, C, D, PT09186	MTO	USA
DO103	828A	Wiggler/Centre finder with pointed shank	MTO	USA
DO109	828B	Ball contact only (.250"/6.35mm ball)	MTO	USA
DO113	828C	Disc contact only (.100"/2.54mm disc)	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

DIAL INDICATORS & GAUGES

NEW

S9000N

3 PIECE PRECISION TOOLS KIT

Designed to meet the rigorous demands of precision measurements in both small and medium-sized automotive and mechanical engineering companies.

This kit is a comprehensive solution for conducting detailed tests and inspections. Its components have been selected for their precision, durability, and ease of use, ensuring professionals have access to reliable instruments for their measurement needs.

Whether for routine maintenance, quality control, or complex engineering projects, this precision tools kit is designed to be a cost-effective solution whilst delivering accurate results.



EVA Hardwearing case

3809MA Page 23

3680MXRL-25 Page 11

EC799BF-6/150 Page 20

KIT CONTAINS:

- 3809MA Dial Indicator
- 3680MXRL-25 Outside Micrometer
- EC799BF-6/150 Digital Vernier Caliper
- Silver Wrench
- 2 x Dovetail Clamps
- Instruction Manual
- EVA Hardwearing Case

S9000N 3 Piece Precision Tools Kit (Comes in EVA Case)

Item Number	Global Item Number	Status*	Country of Origin
S9000N	S9000N	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.

**MTS Made to stock (regular availability).

**To guarantee extreme accuracy, the length of your level should not be longer than the work you are levelling.

RULES, SQUARES & PARALLELS

SUMMARY OF THE RANGE

Item Number	Description	Status	Country of Origin	Page Number
435 Series Combination Squares - 12-24"				
CQ812	12" Combination Set	MTO	US	33
CQ852	24" Combination Set	MTO	US	33
435 Series Combination Squares - 300-600mm				
CQ832	300mm Combination Set	MTO	US	33
C435ME-300	300mm (11-3/4") Combination Set	MTS	CN	33
CQ847	600mm (23-1/2") Combination Set	MTO	US	33
CQ837	300mm Combination Set	MTS	CN	33
9 Series Combination Squares - 12"				
BH032	12" Combination Set	MTO	US	34
9 Series Combination Squares - 300mm/11-3/4"				
C9M-300	300mm Combination Set	MTS	CN	34
C9ME-300	300mm (11-3/4") Combination Set	MTS	CN	34
11 Series Combination Squares				
BH202	12" Combination Square	MTO	US	35
BH322	150mm Combination Square	MTO	CN	35
BH342	300mm Combination Square	MTS	CN	35
BH382	600mm Combination Square	MTO	US	35
BH347	300mm Combination Square	MTO	CN	35
C11 Series - Combination Squares with Square Head				
BH179	6" Combination Squares with Square Head	MTO	US	36
BH222	12" Combination Squares with Square Head	MTO	US	36
BH357	300mm and 11-3/4" Combination Squares with Square Head	MTS	CN	36
BH367	300mm Combination Squares with Square Head	MTS	CN	36
BH327	150mm Combination Squares with Square Head	MTS	CN	36
BH362	300mm Combination Squares with Square Head	MTS	CN	36
289 Attachments for Combination Squares				
CK457	1" (25mm) Attachment (Comb Square)	MTO	US	36
150, 300, 600 Blades for Combination Squares				
CB150-35	150mm Combination Square Rule	MTS	CN	37
CB150-36	150mm (5-7/8") Combination Square Rule	MTS	CN	37
CB300-35	300mm Combination Square Rule	MTS	CN	37
CB300-36	300mm (11-3/4") Combination Square Rule	MTS	CN	37
BH702	600mm Combination Square Rule	MTO	US	37
BH732	600mm (23-1/2") Combination Square Rule	MTO	US	37
Square Heads Only for Combination Squares, Combination Sets and Bevel Protractors Cast Iron Black Wrinkle Finish				
BH432	Square Head for 12"/300mm - 24"/600mm Blade	MTS	CN	38
BK337	Square Head for 12"/300mm - 24"/600mm Blade	MTO	US	38
Centre Heads Only for Combination Squares, Combination Sets and Bevel Protractors				
BH447	Square Head for 12"/300mm -24"/600mm & 18" Blade	MTS	CN	38
BK352	Square Head for 18" Blade	MTO	US	38
Protractor Heads - Cast Iron (Fits blades 12" and up) for Combination Squares, Combination Sets and Bevel Protractors				
CZ357	Protractor Heads for 12" Blades and Up	MTS	CN	38
CZ502	Protractor Heads for 12" Blades and Up	MTO	US	38
CPR-1224W	Protractor Heads for 12" Blades and Up	MTS	CN	38
10 Series STUDENT COMBINATION SQUARES				
BH110	6" Student Combination Square	MTO	US	39
BH100	150mm Student Combination Square	MTS	CN	39
C10MH-150	150mm Student Combination Square Satin Finish	MTS	CN	39
BH105	150mm (5-3/4") Student Combination Square	MTO	CN	39
C10MEH-150	150mm (5-3/4") Student Combination Square Satin Finish	MTS	CN	39
14M Millimetre Reading Double Steel Squares- mm Both Edges One Side; mm and 1/2mm Reverse Side				
B1232	MM Double Steel Square With Graduated Blade Only	MTO	US	39
B1237	MM Double Steel Square Complete with Graduated Narrow Blade and Bevel Blade	MTO	US	39

COMBINATION SQUARES

435 SERIES

CAST IRON HEADS

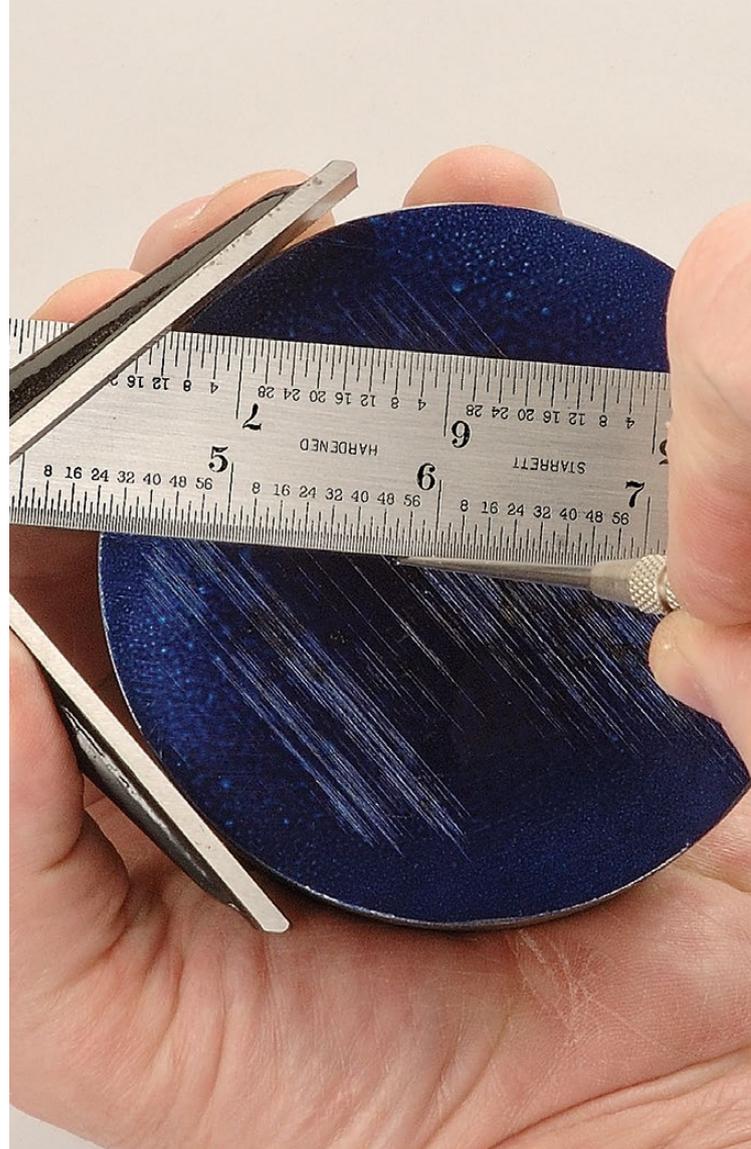
Combination set with square, centre and reversible protractor head and blade includes a reversible lock bolt, scriber, spirit level in both square head and protractor head. Cast iron head with black wrinkle finish.

FEATURES

- Direct reading double 180° protractor scale
- Hardened steel, photo-engraved blade
- Cast iron heads with black wrinkle finish

435 Series Combination Squares - 12-24"						
Item Number	Global Item Number	Size	Graduation	Blade	Status*	Country of Origin
CQ812	435-12-4R	12"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths	Regular	MTO	USA
CQ852	435-24-4R	24"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths	Regular	MTO	USA
435 Series Combination Squares - 300-600mm						
CQ832	435M-300	300mm	mm and 1/2mm Both Sides	Regular	MTO	USA
C435ME-300	C435ME-300	300mm and 11-3/4"	1/2mm and 32nds One Side; mm and 64ths Reverse Side	Satin Chrome	MTS	CN
CQ847	435ME-600	600mm and 23-1/2"	1/2mm and 32nds One Side; mm and 64ths Reverse Side	Regular	MTO	USA
CQ837	C435M-300	300mm	mm and 1/2mm Both Sides	Satin Chrome	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



RULES, SQUARES & PARALLELS

9 SERIES

CAST IRON HEADS. USES
NO. 11 SERIES HEADS

This combination set with square includes a reversible lock bolt, scriber, spirit level in both square head and protractor head, direct reading double 180° protractor scale, and hardened steel, photo-engraved blade. Cast iron heads with black wrinkle finish. Also available with satin chrome blade and protractor head.

FEATURES

- Reversible lock bolts, scriber, spirit level in both square head and protractor head
- Direct reading double 180° protractor scale
- Non-reversible protractor head
- Hardened steel, photo-engraved blade
- Cast iron heads with black wrinkle finish

9 Series Combination Squares - 12"						
Item Number	Global Item Number	Size	Graduation	Blade	Status*	Country of Origin
BH032	C9-12-4R	12"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths	Satin Chrome	MTO	USA
9 Series Combination Squares - 300mm/11-3/4"						
C9M-300	C9M-300	300mm	mm and 1/2mm Both Sides	Satin Chrome	MTS	CN
C9ME-300	C9ME-300	300mm and 11-3/4"	1/2mm and 32nds One Side; mm and 64ths Reverse Side	Satin Chrome	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

Supplied in protective case



9ME-300

RULES, SQUARES & PARALLELS

COMBINATION SQUARES

11 SERIES

CAST IRON HEADS

Combination square with square head includes a reversible lock bolt, scriber, spirit level (except 4"), and hardened steel, photo-engraved blade with regular or satin chrome finish. These combination squares include a cast iron head with black wrinkle finish.

FEATURES

- Reversible lock bolt, scriber, spirit level (except 4")
- Hardened steel, photo-engraved blade
- Cast iron heads with black wrinkle finish

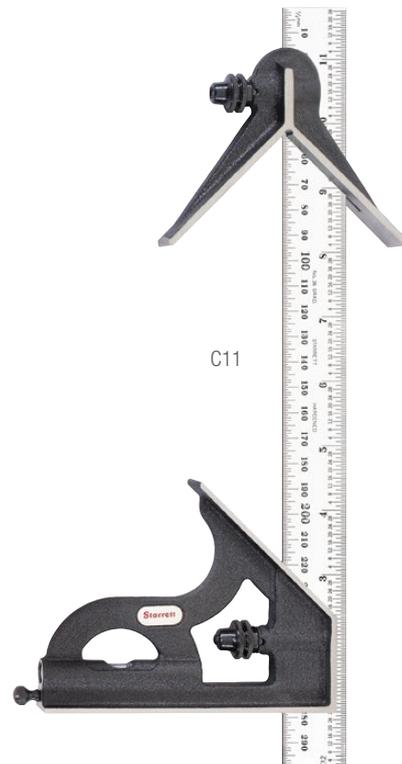
11 Series Combination Squares

Item Number	Global Item Number	Size	Graduation	Blade	Status*	Country of Origin
BH202	11H-12-4R	12"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths reverse side	Regular	MTO	USA
BH322	11MH-150	150mm	mm and 1/2mm both sides	Regular	MTO	CN
BH342	11MH-300	300mm	mm and 1/2mm both sides	Regular	MTS	CN
BH382	11MH-600	600mm	mm and 1/2mm Both Sides	Regular	MTO	USA
BH347	11MHC-300	300mm	mm and 1/2mm Both Sides	Regular	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



C11

RULES, SQUARES & PARALLELS

COMBINATION SQUARES

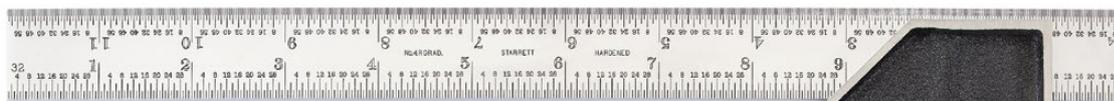
C11 SERIES

CAST IRON HEADS

With reversible lock bolt, scribe, spirit level (except 4"), and hardened steel, photo-engraved blade with regular or satin chrome finish. Cast iron head with black wrinkle finish.

C11 Series - Combination Squares with Square Head						
Item Number	Global Item Number	Size	Graduation	Blade	Status*	Country of Origin
BH179	C11H-6-4R	6"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths	Satin Chrome	MTO	USA
BH222	C11H-12-4R	12"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths	Satin Chrome	MTO	USA
BH327	C11MH-150	150mm	mm and 1/2mm both sides	Satin Chrome	MTS	CN
BH357	C11MEH-300	300mm and 11-3/4"	1/2mm and 32nds One Side; mm and 64ths - Reverse Side	Satin Chrome	MTS	CN
BH367	C11MHC-300	300mm	mm and 1/2mm Both Sides	Satin Chrome	MTS	CN
BH362	C11MH-300	300mm		Satin Chrome	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



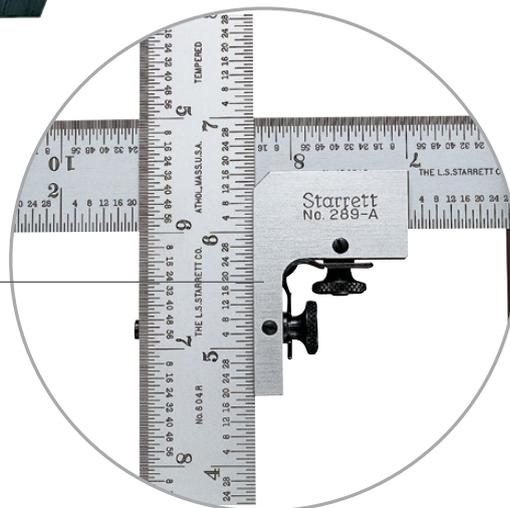
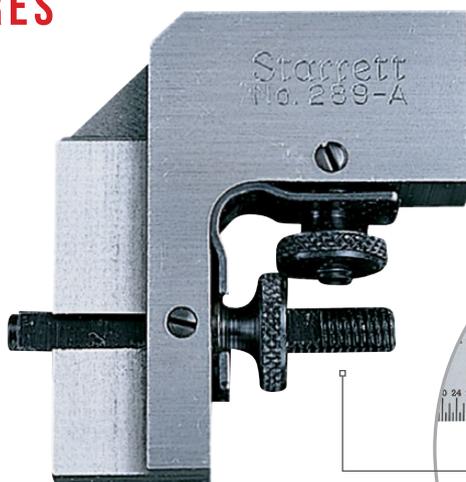
C11H-12-4R



289 ATTACHMENTS FOR COMBINATION SQUARES

1" / 25MM

These attachments fit combination square blades 1" (25mm) wide and permit attaching rules, blades or thin steel try squares, up to 1" (25mm) wide, at right angles to the blade of the square for laying out key seats, centres, scribing horizontal lines, and measuring diameters. Available in two sizes listed below. Both sizes can also be used with 289C Height and Depth Gauge Attachment.



289 Attachments for Combination Squares						
Item Number	Global Item Number	Range - Blade/Rule	Blade	Rule	Status*	Country of Origin
CK457	289A	1" (25mm)	1-9/16" (40mm)	1-11/16" (43mm)	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

RULES, SQUARES & PARALLELS

COMBINATION SQUARES

300, 600 BLADES FOR COMBINATION SQUARES, SETS AND BEVEL PROTRACTORS

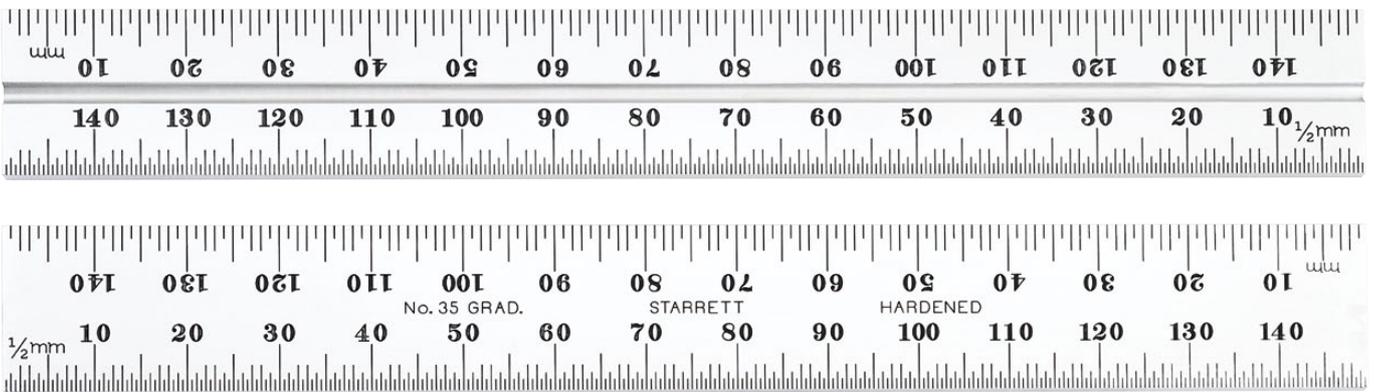
MILLIMETRE, AND INCH/MILLIMETRE

The blades listed below fit any head according to the sizes noted in the charts on all combination squares, combination sets and bevel protractors. The 300mm and 600mm sizes are interchangeable.

300, 600 Blades for Combination Squares							
Item Number	Global Item Number	Size	Approx. Width x Thickness	Graduation	Finish	Status*	Country of Origin
CB150-35	CB150-35	150mm	25mm x 2.4mm	35 - mm and 1/2mm both sides	Satin Chrome	MTS	CN
CB150-36	CB150-36	150mm and 5-7/8"	25mm x 2.4mm	36 - 1/2mm and 32nds One Side; mm and 64ths - Reverse Side	Satin Chrome	MTS	CN
CB300-35	CB300-35	300mm	25mm x 2.4mm	35 - mm and 1/2mm both sides	Satin Chrome	MTS	CN
CB300-36	CB300-36	300mm and 11-3/4"	25mm x 2.4mm	36 - 1/2mm and 32nds One Side; mm and 64ths Reverse Side	Satin Chrome	MTS	CN
BH702	CB600-35	600mm	25mm x 2.4mm	35 - mm and 1/2mm both sides	Satin Chrome	MTO	USA
BH732	CB600-36	600mm and 23-1/2"	25mm x 2.4mm	36 - 1/2mm and 32nds One Side; mm and 64ths Reverse Side	Satin Chrome	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



RULES, SQUARES & PARALLELS

COMBINATION SQUARE BLADES

11 AND 33 SQUARE HEADS, CENTRE HEADS AND PROTRACTOR HEADS FOR COMBINATION SQUARES, COMBINATION SETS AND BEVEL PROTRACTORS

The heads listed fit any blade according to the sizes noted in the charts on all combination squares, combination sets and bevel protractors. Sizes 12", 18" and 24" and 300mm and 600mm are interchangeable. When ordering, specify complete catalog number and length of blade. Exception: Starrett 33J and 8 Combination Squares.



Square Heads Only for Combination Squares, Combination Sets and Bevel Protractors						
Cast Iron Black Wrinkle Finish		Forged and Hardened Steel with Smooth Black Enamel Finish		Fits Blade Size	Status*	Country of Origin
Item Number	Global Item Number	Item Number	Global Item Number			
BH432	H11-1224	BK337	H33-1224	12" (300mm)	MTO	USA
				18"		
				24" (600mm)		

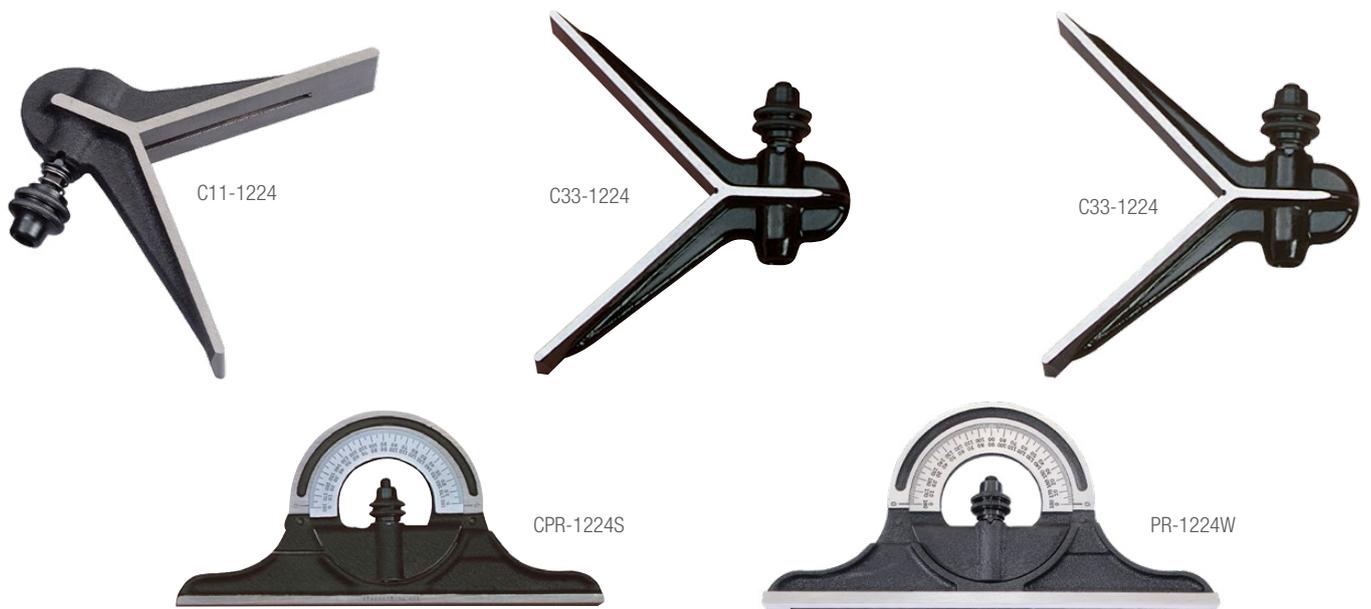
Square Heads Only for Combination Squares, Combination Sets and Bevel Protractors					
Cast Iron Black Wrinkle Finish		Fits Blade Size	Status*	Country of Origin	
Item Number	Global Item Number				
BH422	H11-4	4"	MTO	USA	

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

Centre Heads Only for Combination Squares, Combination Sets and Bevel Protractors					
Item Number	Global Item Number	Fits Blade Size	Status*	Country of Origin	
BH447	C11-1224	12" (300mm)	MTS	CN	
		18"			
		24" (600mm)			
BK352	C33-1224	18"	MTO	USA	

Protractor Heads - Cast Iron (Fits blades 12" and up) for Combination Squares, Combination Sets and Bevel Protractors					
Item Number	Global Item Number	Finish	Status*	Country of Origin	
CZ357	CPR-1224S	Black Smooth, Chrome on Turret	MTS	CN	
CZ502	PR-1224W	Black Wrinkle	MTO	USA	
CPR-1224W	CPR-1224W	Satin Chrome	MTS	CN	

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).



RULES, SQUARES & PARALLELS

SQUARES

10 STUDENT COMBINATION SQUARES

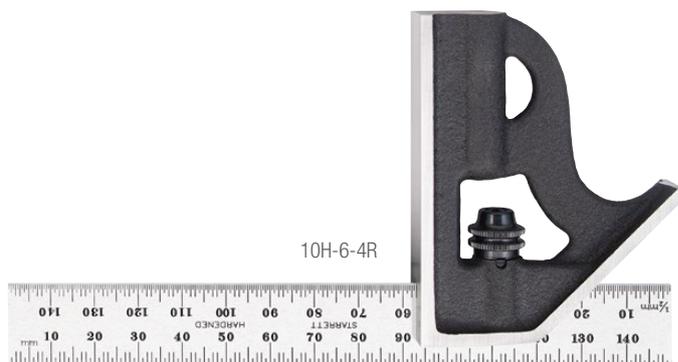
These tools were designed to train and develop apprentices to lay out and check their work more efficiently. The combination square is far superior to clumsy, old-style solid workshop-grade squares that are still being used in some vocational schools and apprenticeship programs around the world. The student's advantages are:

- Rugged, cast iron square head will outlast cheap plastic and die-cast imitations
- Accurate, hardened and tempered square blade offered in inch, millimetre, and inch and millimetre combined
- Reversible lock bolt allows the blade to be turned over or end-for-end so that all four graduated edges may be used
- The combination square, as its name indicates, handles many jobs, saving the apprentice from buying more individual tools. This combination square can be used as a try square, 45° miter, a depth gauge, a height gauge, a layout tool, and as a rule.
- Optional centre head is available to increase the versatility of this universal measuring tool

Inch					
Item Number	Global Item Number	Size	Graduation	Status*	Country of Origin
BH110	10H-6-4R	6"	4R - 8ths, 16ths, Quick Reading 32nds, 64ths	MTO	USA
Milimetre					
BH100	10MH-150	150mm	mm and 1/2mm Both Sides	MTS	CN
C10MH-150	C10MH-150	150mm	mm and 1/2mm Both Sides	MTS	CN
Inch and Milimetre					
BH105	10MEH-150	150mm (5-3/4")	1/2mm and 32nds One Side mm and 64ths Reverse Side	MTO	CN
C10MEH-150	C10MEH-150	150mm (5-3/4")	1/2mm and 32nds One Side mm and 64ths Reverse Side	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



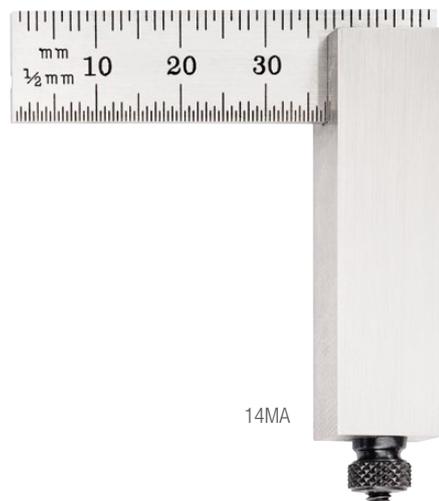
DOUBLE SQUARES

14 DOUBLE STEEL SQUARES WITH HARDENED AND GROUND HEAD AND BLADES 50MM

Designed for tool and die-makers, these fine precision double steel squares have adjustable blades, ideal for tight fits. A knurled clamping nut accurately locks the blades in any position.

Beveled blade is 45° on one end and 30° on the other.

- 2-1/4" (58mm) Narrow blade has 32nds and 64ths graduations. It is 5/32" (4mm) wide over a length of approximately 1-5/8" (41mm) and cut away at one end to a width of 3/32" (2.4mm).



14M Millimetre Reading Double Steel Squares- mm Both Edges One Side; mm and 1/2mm Reverse Side						
Item Number	Global Item Number	Size	Graduation	Description	Status*	Country of Origin
B1232	14MA	50mm	mm, 1/2mm	With Graduated Blade Only	MTO	USA
B1237	14MD	50mm	mm, 1/2mm	Complete with Graduated Narrow Blade and Bevel Blade	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

RULES, SQUARES & PARALLELS

PRECISION STEEL RULES

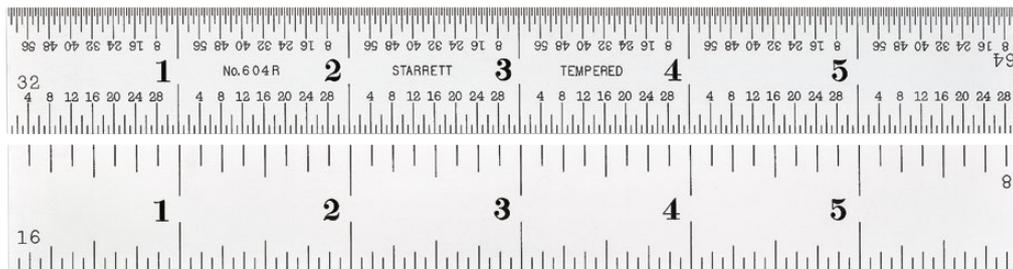
604 SERIES - STEEL RULES WITH INCH GRADUATIONS

6", 12" & 24"

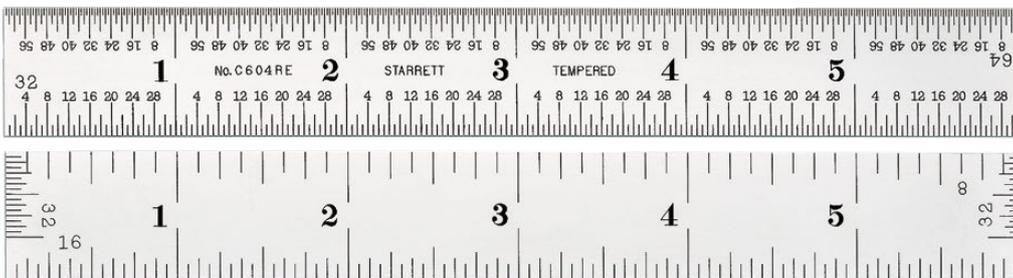
All rules furnished with Starrett satin chrome finish, except where noted.

RULE CASE OPTIONS

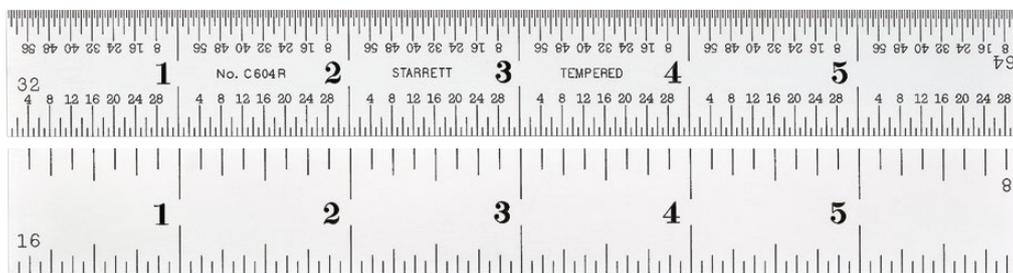
- Protective case with see through front (standard)
- Leather-like case with pocket clip (optional)



604R-6



C604RE-6



C604R-6

604 Series							
Item Number	Global Item Number	Length	Width x Thickness	Graduation	Feature Remarks	Status*	Country of Origin
DD587	604R-6	6"	3/4" x 3/64"	4R - 8ths, 16ths, Quick-Reading 32nds and 64ths	Regular Steel Finish	MTO	USA
DD617	C604R-6	6"	3/4" x 3/64"		-	MTO	USA
DD592	C604R-12	12"	1" x 3/64"		-	MTO	USA
DD632	C604R-24	24"	1-1/4" x 3/64"		-	MTO	USA
DD647	C604RE-6	6"	3/4" x 3/64"	4R - 8ths, 16ths, Quick-Reading 32nds and 64ths End Graduations in 32nds Both Ends, One Side	End Graduations	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

RULES, SQUARES & PARALLELS

PRECISION STEEL RULES

635, 636 & 637 SERIES

STEEL RULES WITH MILLIMETRE AND INCH GRADUATIONS

All rules furnished with Starrett satin chrome finish, except where noted. All rules are full millimetre lengths, except where noted, spring-tempered.

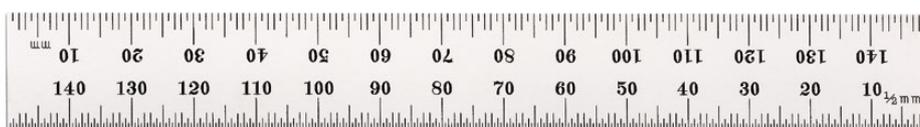
635 Series							
Item Number	Global Item Number	Length	Width x Thickness	Graduation	Feature Remarks	Status*	Country of Origin
DE602	G35N-150	150mm	4.8 x 1.2mm	35 - mm One Edge and 1/2mm One Edge on Reverse	Narrow Rule, Regular Steel Finish	MTO	USA
DE607	C635-150	150mm	19 x 1.2mm	35 - mm and 1/2mm Both Sides	-	MTO	USA
DE612	C635-300	300mm	25.4 x 1.2mm		-	MTO	USA
DE617	C635-500	500mm	29 x 1.2mm		-	MTO	USA
DE622	C635-1000	1000mm	32 x 1.2mm		-	MTO	USA
DE627	C635E-150	150mm	19 x 1.2mm		35E - mm and 1/2mm Both Sides; mm on Both Ends One Side	End Graduations	MTO
636 Series							
DE737	C636-300	300mm (11-3/4")	25.4 x 1.2mm	36 - 32nds and 1/2mm on One Side; 64ths and mm on Reverse	-	MTO	USA
DE742	C636-500	500mm (19-1/2")	29 x 1.2mm		-	MTO	USA
DE732	C636EM-6	150mm (6")	19 x 1.2mm		Full 6" with Millimeter Reading to 150mm; plus a Blank End	MTO	USA
DE731	C636ME-150	150mm (5-3/4")	19 x 1.2mm		-	MTO	USA
637 Series							
DE857	C637E-150	150mm	19 x 1.2mm	37E - mm and 1/2mm Both Sides; mm on Both Ends One Side	End Graduations	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

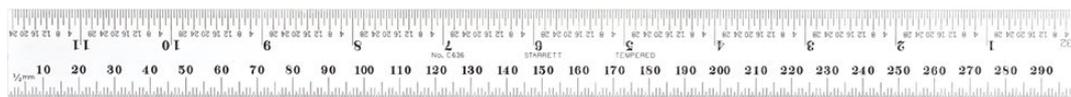
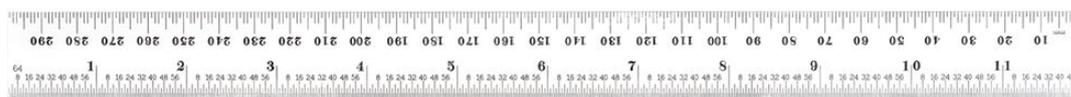
*MTS Made to stock (regular availability).



635N-150



C635-150



C636-300

RULES, SQUARES & PARALLELS

154 ADJUSTABLE PARALLELS

3/8 - 2-1/4" / 9.5-57MM

These adjustable parallels provide a wide range of use in layout, gauging, inspection work and for setups on various machine tools. Their adjustability makes it possible to adjust them to exact size by micrometer measurement and also permits use in place of several solid-type parallels. These parallels are useful as gauges in checking the size of slots and openings. They are also convenient for use in machine vises, for leveling or adjusting work on setups of milling and grinding machines, shapers, planers, drill presses and for many other applications. Parallels slide smoothly and can be easily adjusted. The smaller sizes A, B, and C, are locked by one screw while the larger sizes, D, E, and F, have two lock screws. All parallels are 9/32" (7mm) thick.



Set S154LZ with 154E in foreground

154 Adjustable Parallel Sets							
Item Number	Global Item Number	Range		Description	Status*	Country of Origin	
		mm	in				
BS857	S154LZ	9.5-57	3/8 - 2-1/4	Set of 6 parallels - Sizes A, B, C, D, E, F - In case	MTS	CN	
Included							
Range		Length					
Inch		mm		Inch		mm	
3/8 - 1/2		9.5-12.7		1-3/4		45	
1/2 - 11/16		12.7-17.5		2-1/8		55	
11/16 - 15/16		17.5-24		2-11/16		70	
15/16 - 1-5/16		24-33		3-9/16		90	
1-5/16 - 1-3/4		33-44		4-3/16		105	
1-3/4 - 2-1/4		44-57		5-1/16		130	
Item Number	Global Item Number	Range		Description	Status*	Country of Origin	
		mm	in				
BS862	S154SZ	9.5-33	3/8 - 1-5/16	Set of 4 parallels - Sizes A, B, C, D - In case	MTO	CN	
Included							
Range		Length					
Inch		mm		Inch		mm	
3/8 - 1/2		9.5-12.7		1-3/4		45	
1/2 - 11/16		12.7-17.5		2-1/8		55	
11/16 - 15/16		17.5-24		2-11/16		70	
15/16 - 1-5/16"		24-33		3-9/16		90	
154 Adjustable Parallels							
Item Number	Global Item Number	Range		Length		Status*	Country of Origin
		Inch	mm	Inch	mm		
BS827	154A	3/8 - 1/2	9.5-12.7	1-3/4	45	MTO	CN
BS837	154C	11/16 - 15/16	17.5-24	2-11/16	70	MTO	CN
BS842	154D**	15/16 - 1-5/16	24-33	3-9/16	90	MTO	CN
BS847	154E**	1-5/16 - 1-3/4	33-44	4-3/16	105	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability). **154D and 154E can be ordered individually but will be subject to a longer lead time.

KEY SEAT CLAMPS

CLAMPS

These key seat clamps convert steel rules, combination square blades and straight edges into key seat rules for laying out keyways and scribing parallel lines on round work. They can be easily attached or removed. Made of steel, case hardened, and accurately ground, they are 1" long x 7/16" wide (25 x 11mm) and have a 7/64" (2.8mm) slot width. Available in pairs only.



Key Seat Clamps				
Item Number	Global Item Number	Description	Status*	Country of Origin
CK782	298	Pair of Key Seat Clamps	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days. *MTS Made to stock (regular availability).

RULES, SQUARES & PARALLELS



PUNCHES

THE WORLD'S GREATEST TOOLMAKERS

Starrett®

AUTOMATIC PUNCHES

18 WITH ADJUSTABLE STROKE

This automatic centre punch features a lightweight, knurled steel handle for a positive grip and easy handling.

FEATURES

- Rugged automatic punches with all-steel handles and parts
- Internal mechanism strikes a blow when downward pressure is applied
- Spring tension is constant so marks made by the point are uniform in depth and size
- The point can be easily removed for regrinding or replacement
- Adjustable cap regulates the stroke



18 Series - Automatic Centre Punches with Adjustable Stroke								
Item Number	Global Item Number	Length		Diameter		Description	Status*	Country of Origin
		Inch	mm	Inch	mm			
BI447	18AA	4	100	7/16	11	Punch	MTS	CN
BI452	18A	5	125	9/16	14			
BI462	18C	5-1/4	130	11/16	17	Punch, Heavy Duty	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

818 WITH ADJUSTABLE STROKE

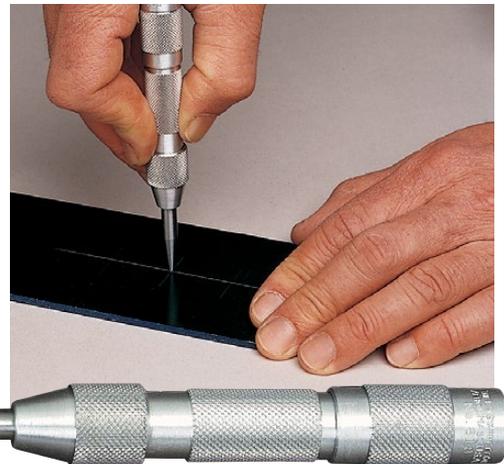
This automatic centre punch is lightweight with knurled aluminium handle for a positive grip and easy handling.

FEATURES

- All working internal parts made of properly hardened tool steel
- Works on metal, plastics, wood and other machinable materials
- Adjustable cap regulates the stroke

818 Series - Automatic Centre Punches with Adjustable Stroke							
Item Number	Global Item Number	Length		Diameter		Status*	Country of Origin
		Inch	mm	Inch	mm		
DN432	818	5	125	5/8	16	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).



819 WITH ADJUSTABLE STROKE

Hinge-locating automatic centre punch with adjustable stroke, combines all the features of our 818 lightweight aluminium punch with an exclusive self-centring sleeve that automatically centres starter holes for screws.

FEATURES

- Adjustable cap regulates the stroke
- Eliminates the risk of drilling off centre

819 Series - Automatic Centre Punches with Adjustable Stroke							
Item Number	Global Item Number	Length		Diameter		Status*	Country of Origin
		Inch	mm	Inch	mm		
DN537	819	5	125	5/8	16	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).



PUNCHES

CENTRE PUNCHES

117

WITH ROUND SHANKS

Made of specially selected steel, hardened and properly tempered. They are well proportioned, nicely finished and have a knurled finger grip. The points are ground at the proper angle to give maximum service, and the tips are accurately centred.

FEATURES

- Precision centred tips for accuracy
- Knurled grip for secure holding
- The points are ground at the proper angle to give maximum service
- Hardened and tempered
- Made of specially selected steel



117 Centre Punches							
Item Number	Global Item Number	Length		Dia. at Top of Tapered Point		Status*	Country of Origin
		Inch	mm	Inch	mm		
BQ592	117AA	3	75	1/16	1.5	MTS	CN
BQ597	117A	4	100	5/64	2	MTS	CN
BQ602	117B			3/32	2.5	MTS	CN
BQ607	117C			1/8	3	MTS	CN
BQ612	117D			5/32	4	MTS	CN
BQ617	117E	5	125	1/4	6.5	MTS	CN
BQ627	S117PC	Set of 5, 117AA, A, B, C, D in Plastic Case				MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

264

WITH SQUARE SHANK

Centre punch has a square knurled handle and will not roll when laid down. They are hardened and properly tempered. The tips are accurately centred and ground at the proper angle to give maximum service.

FEATURES

- Accurately centred tips for accuracy
- Knurled grip for secure holding
- Shape prevents rolling
- The points are ground at the proper angle to give maximum service
- Hardened and tempered
- Made of specially selected steel



264 Centre Punches							
Item Number	Global Item Number	Length		Dia. at Top of Tapered Point		Status*	Country of Origin
		Inch	mm	Inch	mm		
C1447	264D	4	100	1/8	3	MTO	USA
C1452	264E	4-1/4	108	5/32	4	MTO	USA
C1462	264G	5	125	1/4	6.5	MTO	USA
C1467	S264WB	Set of 7, 264A, B, C, D, E, F, G in Round Red Plastic Box				MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

PUNCHES

PRICK PUNCHES

816

The perfect punches to use when precise positioning of a point or an intersection of lines is required. The points are carefully ground to the correct taper, which is sharper than the normal centre punch. This allows exact placement of the point, providing sharp impressions.

FEATURES

- Precision centred tips for accuracy
- Knurled grip for secure holding
- Points are carefully ground to the correct taper, which is sharper than the normal centre punch
- Hardened and tempered
- Made of specially selected steel



816 Punches							
Item Number	Global Item Number	Length		Punch Diameter		Status*	Country of Origin
		Inch	mm	Inch	mm		
DN307	816A	4	100	5/64	2	MTS	CN
DN312	816B			1/8	3	MTS	CN
DN322	816D			5/32	4	MTS	CN
DN327	S816PC	Combination Punch Set in Plastic Case. One Each 816A, B, D Prick Punches, and Two Centre Punches 117AA, B				MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

SQUARE PUNCHES

800

Nail set has a square head that provides a large striking surface and prevents the tool from rolling.

FEATURES

- Knurled grip for secure holding
- Square head provides a large striking surface
- Beveled end prevents breakage
- Cupped punch surface to follow nail without sliding off
- Hardened and tempered
- Made of specially selected steel
- Punch diameter clearly marked on the head



800 Punches							
Item Number	Global Item Number	Length		Punch Diameter		Status*	Country of Origin
		Inch	mm	Inch	mm		
DM632	800A	4	100	1/32	0.8	MTO	CN
DM637	800B			1/16	1.5	MTO	CN
DM642	800C			3/32	2.5	MTO	CN
DM647	800D			1/8	3	MTO	CN
DM652	800E			5/32	4	MTO	CN
DM657	S800PC	Set of 5 in Protective Plastic Case. One Each of 800A, B, C, D, E				MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

PUNCHES

DRIVE PIN PUNCHES

565

Drive pin punch is well proportioned, hardened, properly tempered, nicely finished, and has a knurled finger grip. Each punch has the size stamped on the head.

FEATURES

- Knurled grip for secure holding
- Hardened and tempered
- Punch diameter clearly marked on the head

565 Drive Pin Punches							
Item Number	Global Item Number	Length		Punch Diameter		Status*	Country of Origin
		Inch	mm	Inch	mm		
DB477	565A	4	100	1/16	1.5	MTS	CN
DB482	565B			3/32	2.5	MTS	CN
DB487	565C			1/8	3	MTS	CN
DB492	565D			5/32	4	MTS	CN
DB497	565E			3/16	5	MTS	CN
DB502	565F			7/32	5.5	MTS	CN
DB507	565G			1/4	6	MTS	CN
DB512	565H			5/16	8	MTS	CN
DB517	S565WB	Set of 8 Punches (1 of Each Size) in Round Red Plastic Box			MTS	CN	
DB522	S565PC	Set of 8 Punches (1 of Each Size) in Protective Vinyl Case			MTS	CN	

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



BRASS DRIVE PIN PUNCHES

B565

Drive pin punch is well proportioned, nicely finished, and has a knurled finger grip. Each punch has the size stamped on the head. The softer brass will not damage softer materials and delicate work surfaces. Available in eight individual sizes from 1/16" to 5/16" and as a full set of eight in an attractive pouch.

FEATURES

- Knurled grip for secure holding
- Will not damage softer materials
- Non-sparking
- Punch diameter clearly marked on the head

B565 Drive Pin Punches								
Item Number	Global Item Number	Length		Diameter Punch		Status*	Country of Origin	
		Inch	mm	Inch	mm			
DB5232	B565C	4	100	1/8	3	MTS	CN	
DB5233	B565D			5/32	4	MTS	CN	
DB5234	B565E			3/16	5	MTO	CN	
DB5236	B565G			1/4	6	MTS	CN	
DB5237	B565H			5/16	8	MTS	CN	
DB5238	SB565Z			Set of 8 Brass Punches (1 of Each Size) in Fabric Pouch. Included: 1.5mm, 2.5mm, 3mm, 4mm, 5mm, 5.5mm, 6mm, 8mm			MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



PUNCHES

DRIVE PIN PUNCHES

248

FOR MACHINE SHOP AND MOTOR SERVICE WORK

Drive pin punch is intended for machine shop and motor service work, extra long in size, measuring 8", with 4-1/2" bodies and 3-1/2" drive pin section.

- Knurled grip for secure holding
- Designed to withstand hard use
- For machine shop and motor service work
- Hardened and tempered
- Punch diameter clearly marked on the head
- Diameter of punches is slightly less than listed
- Extra-long, measuring 8" (200mm) total length



248 Drive Pin Punches							
Item Number	Global Item Number	Length		Punch Diameter		Status*	Country of Origin
		Inch	mm	Inch	mm		
CE332	248A	8	200	1/8	3	MTS	CN
CE337	248B			3/16	5	MTS	CN
CE342	248C			1/4	6	MTS	CN
CE347	248D			5/16	8	MTS	CN
CE352	248E			3/8	9.5	MTS	CN
CE357	S248	Set of 5 Punches (1 of Each Size) in Plain Box				MTS	CN
CE362	S248PC	Set of 5 Punches (1 of Each Size) in Protective Vinyl Case				MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

BRASS DRIVE PIN PUNCHES

B248

FOR MACHINE SHOP AND MOTOR SERVICE WORK

Brass drive pin punch for machine shop and motor service work. Available in eight individual sizes from 3/16" to 3/8" and as a full set of four in an attractive pouch.

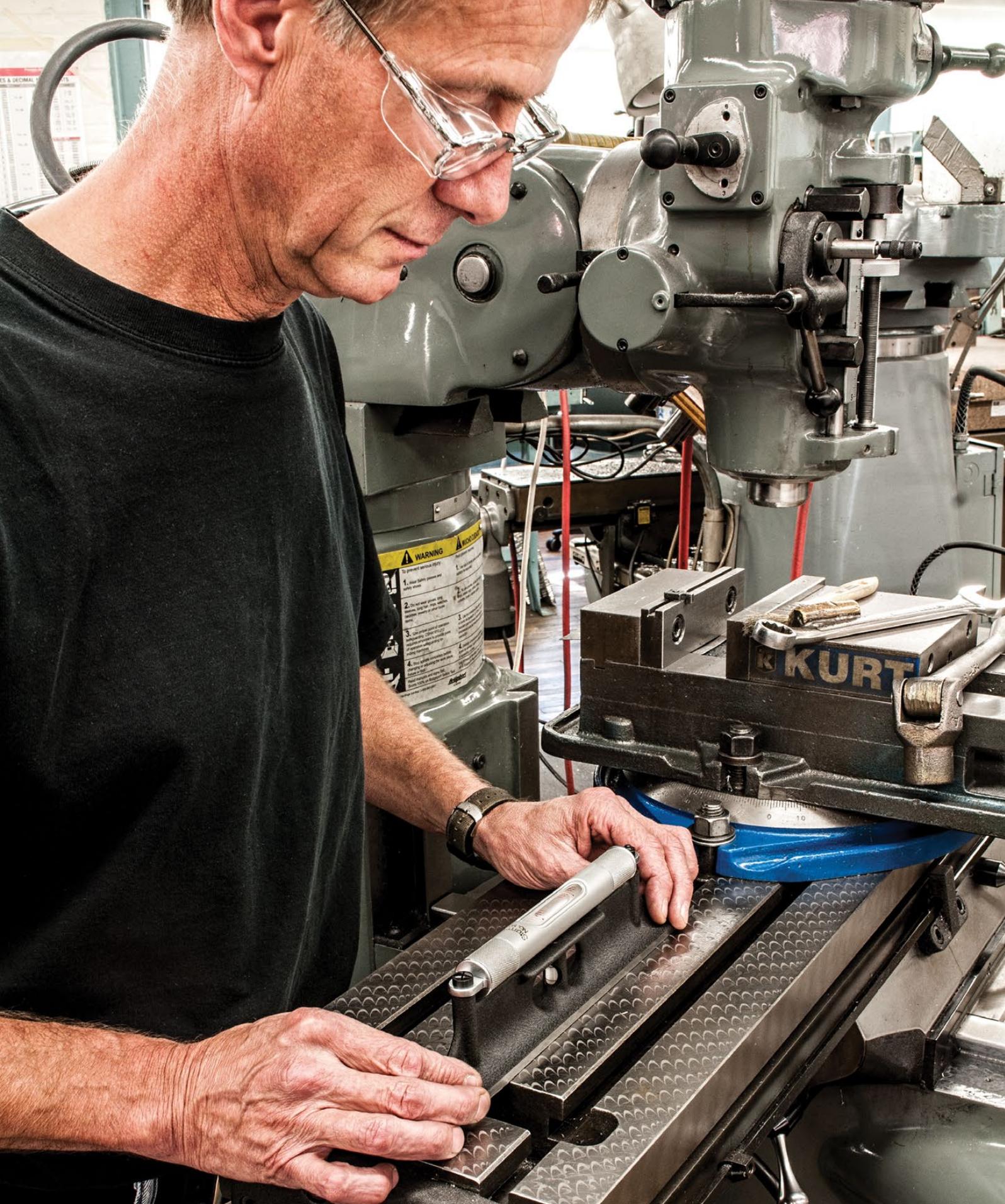
- Knurled grip for secure holding
- Will not damage softer materials
- Non-sparking
- For machine shop and motor service work
- Punch diameter clearly marked on the head
- Diameter of punches is slightly less than listed
- Extra-long, measuring 8" (200mm) total length



B248 Drive Pin Punches				
Item Number	Global Item Number	Description	Status*	Country of Origin
CE382	SB248Z	Set of 4 Brass Punches (1 of Each Size) in Fabric Pouch. Included: 5mm, 6mm, 8mm, 9.5mm	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
 MTO lead times: China: 90 days / USA: 120 days.
 *MTS Made to stock (regular availability).

PUNCHES



LEVELS

THE WORLD'S GREATEST TOOLMAKERS

Starrett®

MACHINISTS' LEVELS

98 MACHINISTS' LEVELS WITH GROUND AND GRADUATED VIALS

4-12" / 100-300MM

These levels have ground and graduated main vials. All sizes have a cross test vial except the 4" (100mm) model.

The 12" (300mm) model also has a plumb vial. These vials are adjustable to a positive setting and are housed in a satin chrome finished brass tube with a friction-fit closing cover to prevent breakage.

The base of the levels features an involute groove running the length of the base, which provides a reliable seat for round work such as pipes or shafting. With the cross test vial, it is possible to simultaneously level in both directions. This prevents inaccuracies in the main vial reading caused by canting the level side-wise on round work.

The 6" through 12" (150-300mm) main level vials have graduations that are approximately 80-90 seconds or .005" per foot (0.42mm per metre). There are five, six, or seven lines on each side of the bubble, depending on the base length.

98 Machinists' Levels** (Comes in Aluminium Case)						
Item Number	Global Item Number	Size		Description	Status*	Country of Origin
		Inch	mm			
98AZ-4	98AZ-4	4	100	Without Cross Test Vial	MTS	CN
98AZ-6	98AZ-6	6	150	With Cross Test Vial	MTS	CN
98AZ-8	98AZ-8	8	200	With Cross Test Vial	MTS	CN
98AZ-12	98AZ-12	12	300	With Single Plumb Vial and Cross Test Vial	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

**To guarantee extreme accuracy, the length of your level should not be longer than the work you are leveling.



LEVELS

MACHINISTS' LEVELS

135 POCKET LEVELS WITH SATIN NICKEL-PLATED FINISH

2-1/2 AND 3-1/2" / 63 AND 88MM



Another extremely useful Starrett level that fits handily in the pocket with no sharp edges. Made from hexagonal stock with convex ends and satin nickel-plated finish.

135 Pocket Levels						
Item Number	Global Item Number	Size		Description	Status*	Country of Origin
		Inch	mm			
BS292	135A	2-1/2	63	With Main Vial	MTS	CN
BS297	135B	3-1/2	88		MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

134 CROSS TEST LEVEL AND PLUMB

2 X 3" / 50 X 75MM

This is an especially useful little level, invaluable for plumbing, approximate squaring and leveling work. Made from brass with nickel finish, all working surfaces are flat and true. The level has two vials at right angles for cross test leveling without moving the tool and a plumb level at the top for checking squareness. An accurate, well-made and reliable tool, it is also very light and compact and can be easily carried in the pocket.



134 Cross Test Level and Plumb						
Item Number	Global Item Number	Size		Description	Status*	Country of Origin
		Inch	mm			
BS187	134	2 x 3	50 x 75	With Cross Test Vials and Plumb Vial	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

136 CROSS TEST LEVEL

2-3/4 X 2-3/4" / 70 X 70MM

Similar to our 134 level, the 136 has two vials at right angles which permit leveling in both directions without moving the level from the work. The level is light and compact, with an attractive black wrinkle finish and a ground reference surface. Made from cast iron.



136 Cross Test Level						
Item Number	Global Item Number	Size		Description	Status*	Country of Origin
		Inch	mm			
BS402	136	2-3/4 x 2-3/4	70x70	With Cross Test Vials	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



LEVELS



SHOP TOOLS

91 TAP WRENCHES

The 91 Tap Wrenches are strong and well proportioned. They are nicely finished and the gripping surfaces are properly tempered. They will firmly hold square or round shanks. They are plunger operated by knurled sleeve - the spring inside the sleeve causes plunger to back off when pressure is removed.

Note: Round shanks can be gripped, but care must be used. Excessive pressure may break the movable V-jaw.



91 Tap Wrenches									
Item Number	Global Item Number	Capacity						Status*	Country of Origin
		Tap Size		Square Shank		Body Length			
		Inch	mm	Inch	mm	Inch	mm		
BP062	91A	1/16-1/4	1.6-6.35	3/32-5/32	2.4-4	6	150	MTO	USA
BP067	91B	3/16-1/2	4.7-12.7	5/32-9/32	4-7	9	225	MTO	USA
BP072	91C	1/4-5/8	6.35-16	5/32-3/8	4-9.5	12	300	MTO	USA
BP307	93D	1/16-3/16	1.6-4.7	1/16-5/32	1.6-4	6	150	MTS	CN
BP312	93E	7/32-7/16	5.5-11	5/32-1/4	4-6.4	10	250	MTS	CN
BP317	93F	1/4-1/2	6.4-12.7	3/16-5/16	4.7-8	13	330	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

93 T-HANDLE TAP WRENCHES

The 93 T-Handle Tap Wrenches are for holding taps, drills, reamers and other small tools to be turned by hand. They are properly heat treated to withstand ordinary shop use. The jaws conform to the tool being held, making it rigid and less apt to loosen.

FEATURES

- Sliding handle is frictionally held, permitting the handle to be removed or positioned

Note: These tools are designed to hold square shanks. Round shanks can be gripped, but care must be used. Excessive tightening may break the binding nut.



93 T-Handle Tap Wrenches									
Item Number	Global Item Number	Capacity						Status*	Country of Origin
		Tap Size		Square Shank		Body Length			
		Inch	mm	Inch	mm	Inch	mm		
BP292	93A	1/16-3/16	1.6-4.7	1/16-5/32	1.6-4	2	50	MTS	CN
BP297	93B	7/32-7/16	5.5-11	5/32-1/4	4-6.4	2-1/2	65	MTS	CN
BP302	93C	1/4-1/2	6.4-12.7	3/16-5/16	4.7-8	3-1/2	90	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

SHOP TOOLS



161 TOOLMAKERS PARALLEL CLAMPS

UP TO 89MM (3.1/2") CAPACITY

These parallel clamps are designed for maximum strength and rigidity. They are extremely useful for holding work together in tapping and drilling and on various machine setups. The ends of the jaws are tapered to permit clamping under shoulders or in recesses. A retaining ring holds the loose jaw in alignment when the clamp is being opened or closed. The clamps are made of steel, nicely finished and hardened.

161 Toolmakers' Parallel Clamps

Item Number	Global Item Number	Description	Capacity		Approximate Throat Depth		Status*	Country of Origin
			Inch	mm	Inch	mm		
BT497	161A	Single Clamp	1-1/4	32	13/16	20.5	MTO	CN
BT492	161AA		3/4	19	21/32	16.5	MTO	CN
BT502	161B		1-3/4	44	1	25	MTS	CN
BT507	161C		2-1/4	57	1-7/32	30	MTO	CN
BT512	161D		2-3/4	70	1-25/32	45	MTO	CN
BT517	161E		3-1/2	89	2-1/4	57	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

160 TOOLMAKERS' STEEL CLAMPS

These clamps are useful in layout work or for holding work securely in drilling and other similar operations. Each clamp is furnished with two take-up blocks that slip on the end of the screw. The blocks are held to allow a slight swivel action that conforms the angle of the block to the shape of the work being held. There is a hole in the base of the clamps so they may be fastened to the bench and used as a small vise. Clamps are made of casehardened steel and are smoothly finished.



160 Toolmakers' Steel Clamps

Item Number	Global Item Number	Capacity		Description	Status*	Country of Origin
		Inch	mm			
BT387	160	2	50	Pair of Clamps	MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

162 PIN VISES

0-.187" / 0-4.8MM

The handles of these pin vises are reduced in size so that they can be rapidly rotated between thumb and finger when filing small work.



162 Pin Vises

Item Number	Global Item Number	Range		Status*	Country of Origin
		Inch	mm		
BT622	162A	0-.040	0-1	MTO	USA
BT627	162B	.030-.062	0.8-1.6	MTO	USA
BT632	162C	.050-.125	1.3-3.2	MTO	USA
BT637	162D	.115-.187	2.9-4.8	MTO	USA
BT647	S162Z	Set of All 4 Sizes in Protective Vinyl Case		MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).

SHOP TOOLS



S190 "Little Giant" Jack Screw set, complete with all attachments

"LITTLE GIANT" JACK SCREWS

190

2-1/4" - 3-3/8" / 57-85MM

191

1-1/2" - 2-1/4" / 38-57MM

"Little Giant" Jack Screws are very handy for leveling work on planer beds, upright drills, setting up machinery, and for general use in the toolroom or machine shop. 190 and 191 have 20-pitch screws and for those who desire a finer adjustment, the F190 has a 40-pitch screw. An auxiliary pointed screw (D) is supplied, to be used in place of the screw with swivel cap. Extension base (E) is furnished for places where it is not possible to obtain a bearing on a flat surface. Extension V base (F) is for use against a cylindrical form.

190 and 191 "Little Giant" Jack Screws

Item Number	Global Item Number	Description	Status*	Country of Origin
BW277	190A	Jack only	MTO	USA
BW412	191A		MTO	USA
BW312	F190A	Jack only, with fine-adjusting screw	MTO	USA
BW307	S190	Set complete with all attachments	MTO	USA
BW442	S191		MTO	USA

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

190 Specifications

Range	Maximum Height with Attachments		Jack (A) Base Diameter		Extension (B)		Extension (C)		
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
2-1/4 - 3-3/8	57-85	6-3/8"	162	1-1/4	32	2	50	1	25

191 Specifications

Range	Maximum Height with Attachments		Jack (A) Base Diameter		Extension (B)		Extension (C)		
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	
1-1/2 - 2-1/4	38-57	3-3/4	95	1	25	1	25	1/2	13

240 PIN VISES WITH TAPERED COLLETS

.010-.200" / 0.25-5.1MM

- Special tapered collet, providing maximum clamping surface
- Smaller body diameter than the chuck to allow fast opening and closing and rapid rotation when used on small work
- Available individually or as a complete set in a convenient case

240 Pin Vises

Item Number	Global Item Number	Range		Status*	Country of Origin
		Inch	mm		
CD487	240A	.010-.055	0.25-1.4	MTO	USA
CD492	240B	.025-.075	0.64-1.9	MTO	USA
CD497	240C	.045-.135	1.2-3.4	MTO	USA
CD502	240D	.110-.200	2.8-5.1	MTO	USA

240 Pin Vise Sets

CD507	S240Z	Set of All 4 Sizes in Protective Vinyl Case	MTO	USA
-------	-------	---	-----	-----

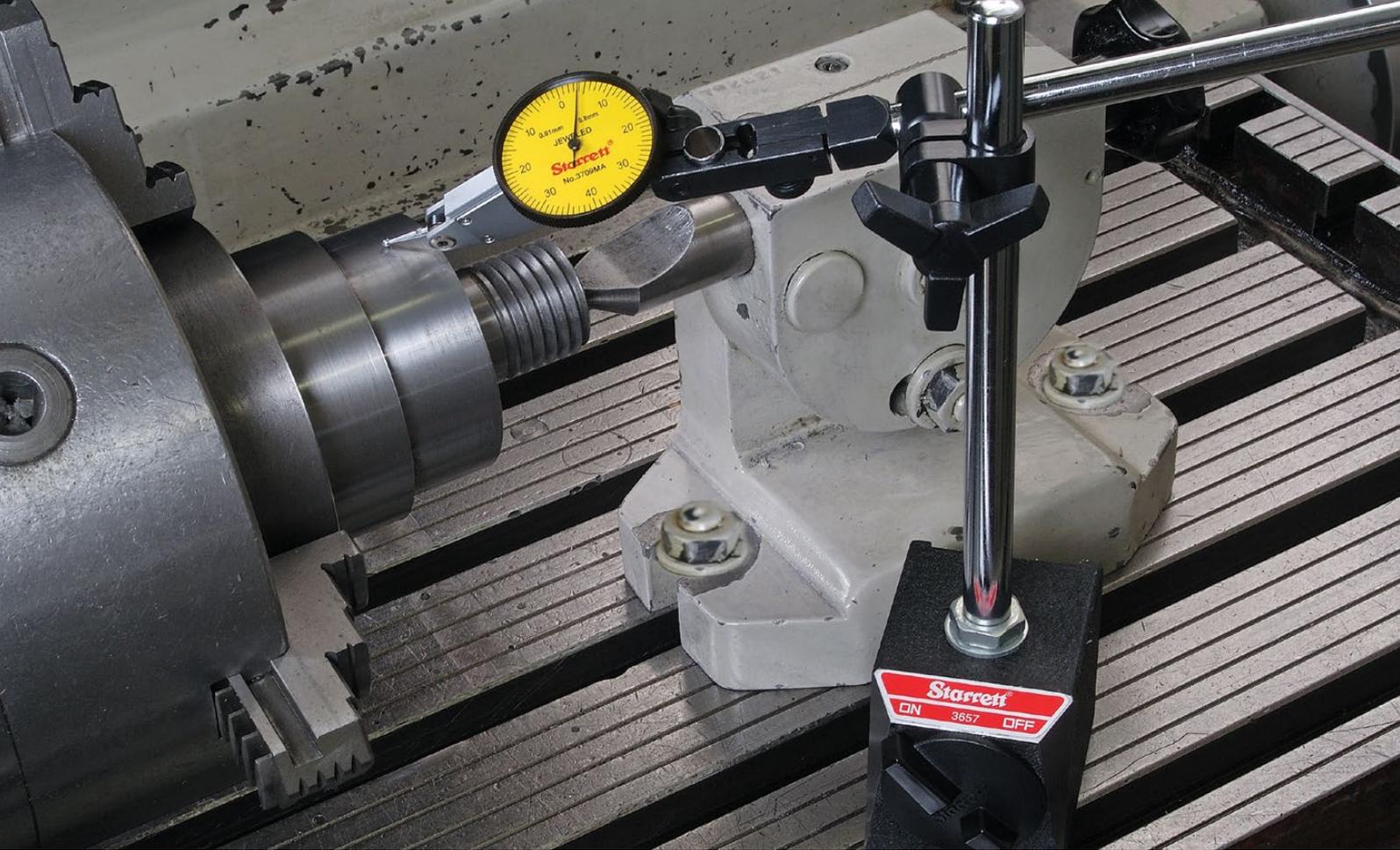
*MTO Made to order - Products subject to longer lead times when stock is not available. MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



S240Z

SHOP TOOLS



3657 MAGNETIC BASE INDICATOR HOLDER

For use with all Starrett Test, Back-Plunger, AGD, Dial and Miniature-Dial Indicators. Also accommodates similar indicators of other manufacturers.

3657 Magnetic Base Indicator Holder

Item Number	Global Item Number	Description	Status*	Country of Origin
DJ600	3657AA	Magnetic Base	MTS	CN
DJ605	3657MTW	Flex-O-Post with Magnetic Base and fine adjustment	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.
MTO lead times: China: 90 days / USA: 120 days.
*MTS Made to stock (regular availability).



SHOP TOOLS

660 MAGNETIC BASE INDICATOR HOLDER

WITH TRIPLE JOINTED ARM

The compact and versatile 660 Magnetic Base Indicator Holder has three adjustable pivots controlled by a single knob for fast, easy indicator positioning.

- Small but powerful magnetic base with 320N (70lb) holding force
- Positive On/Off switch
- Base Dimensions: 30mm x 40mm x 35mm (1-3/16" x 1-9/16" x 1-3/8")
- Horizontal and vertical mounting positions
- Will hold any indicator with a 9.5mm (3/8") stem or standard dovetail mount
- Articulating arm with powerful central locking knob, provides full 360° horizontal positioning and over 180° vertical positioning
- Maximum Horizontal Reach: 120mm (4.750"); Maximum Vertical Reach: 190mm (7.500")
- Very sensitive fine-adjustment thumb screw

661 MINI MAGNETIC INDICATOR HOLDER

The Mini Magnetic Tool Holder is a simple, versatile, effective and economical tool for a variety of indicator holding tasks. It has no levers or switches - simply place the holder on the measuring surface, attach the indicator and position as required.

- 133N (30 lb) of holding force
- Base Diameter: 30mm (1.180")
- Base Height: 25.4mm (1")
- Overall Height 106mm (4.173")
- Holds indicators with 3/8" stems or standard dovetail mounts
- Fits over spindles and posts with diameter of 6.3mm (1/4"), such as the 196 Dial Indicator
- Includes an 8mm adapter for indicators with metric (8mm) stems

660 and 661 Base Indicator Holder

Item Number	Global Item Number	Description	Status*	Country of Origin
DG912	660	Base Indicator Holder	MTS	CN
DG915	661	Indicator Holder	MTS	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).



660



661

SHOP TOOLS

DIAL BORE GAUGES

3089 SERIES

6-450MM

The 3089 Dial Bore Gauges offer precision, a full compliment of features and excellent value.

FEATURES

- Ergonomic design with non-slip insulating grip
- Carbide contacts for extended wear
- 2-point contact
- All anvils laser marked for easy selection
- Gauge chart for quick and easy anvil selection
- Includes sturdy aluminum case with cutouts for Gauge and all accessories
- Resolution: .0005"

3089M



3089 Dial Bore Gauges

Item Number	Global Item Number	Measuring Range	Resolution	Depth	Status*	Country of Origin
DR9396	3089M-181-10J	6-10mm	0.01mm	40mm	MTO	CN
DR9399	3089M-181-18J	10-18mm	0.01mm	100mm	MTS	CN
DR9408	3089M-181-160J	50-160mm	0.01mm	150mm	MTO	CN
DR9414	3089M-181-450J	250-450mm	0.01mm	400mm	MTO	CN

*MTO Made to order - Products subject to longer lead times when stock is not available.

MTO lead times: China: 90 days / USA: 120 days.

*MTS Made to stock (regular availability).

SHOP TOOLS

Technical Support

Got a question?

Our Technical Support team are on hand to help customers and end users with any questions or queries they have regarding our products or their applications.

Phone: **(+44) 01835 866205**

Email: **sawsupport@starrett.co.uk**

Product Training

We can provide a full range of product training to customers and their teams, either online or in person.

For further information or to discuss requirements contact us on:

Phone: **(+44) 01835 866205**

Email: **sawsupport@starrett.co.uk**

Technical Queries



Appointments to speak to a technical expert can be made **via our Cutting Solutions Service**. You can book a slot to speak to a member of our team on a day and time that suits you.

www.starrett.co.uk