

Starrett®

Precision, Quality, Innovation

PROMO 2013.2

PRECISION TOOL PROMOTION

Micrometers

Slide Calipers

Height Gages

Depth Gages

Indicators & Gages

Bore Gages

Gage Amplifiers & Testers

Squares

Protractors & Angle Measurement

Precision Shop Tools



starrett.com

210 Screw Thread Comparator Micrometer

- Has 60° conical anvil, spindle faces with 1/64" (0.4mm) flats on the ends of the points
- Extremely hard and stable one-piece spindle
- Advanced sleeve design with staggered lines and distinct figures for precise, easy readability
- Balanced frame design for comfortable, accurate measuring



210AP

Cat. No.	EDP	Range	Grad.	Accuracy	List Price	Sale Price
210AP	50731	0-7/8"	.001"	±.0002"	156.00	148.20

220 Mul-T-Anvil Micrometers

- Will handle a wide variety of measurements impossible to obtain with regular micrometers
- Rigid one-piece frame of drop forged steel
- Extremely hard and stable one-piece spindle
- Micro-lapped measuring faces



220XFL-1

Cat. No.	EDP	Range	Grad.	Accuracy	List Price	Sale Price
220XFL-1	50746	0-1"	.001"	±.0002"	250.00	237.50
220XFL-2	66433	1-2"	.001"	±.0002"	289.00	274.55

224 Interchangeable Anvil Micrometer Sets

- Suitable wrenches are furnished to make necessary adjustments
- Combination ratchet and speeder for uniform pressure and quicker adjustment
- Quick and easy sleeve adjustment
- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability

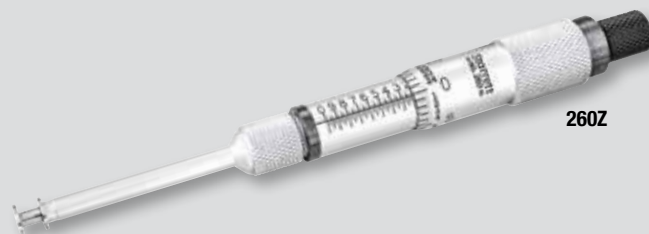


224ARLZ

Cat. No.	EDP	Range	Grad.	Standards Included	List Price	Sale Price
224AARLZ	50770	0-4"	.001"	1", 2", 3"	414.00	393.30
224ARLZ	50772	2-6"	.001"	2", 3", 4", 5"	464.00	440.80
224BRLZ	50774	6-9"	.001"	6", 7", 8"	616.00	585.20

260Z Groove Micrometer

- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability
- Quick-reading figures – every thousandth numbered on inch tools
- Balanced design to ensure easy handling and better readability
- Quick and easy adjustment



260Z

Cat. No.	EDP	Range (widths)	Grad.	Accuracy	List Price	Sale Price
260Z	67987	.050"-1.050"	0-1.000"	.001" ±.0004"	308.00	292.60

436.1 Outside Micrometers

- Friction thimble, lock nut, and carbide face
- The most popular precision micrometers used by skilled workmen worldwide
- Accurate, rugged, and easy to use
- Starrett satin chrome finish – no glare – resists rust
- Advanced sleeve design with staggered lines and distinct figures for precise and easy readability



T436.1XFL-1

Cat. No.	EDP	Range	Grad.	Accuracy	List Price	Sale Price
T436.1XFL-1	67999	0-1"	.0001"	±.00005"	129.00	122.55
T436.1XFL-2	68007	1-2"	.0001"	±.00005"	152.00	144.40
T436.1XFL-3	68015	2-3"	.0001"	±.00005"	189.00	179.55
T436.1XFL-4	68021	3-4"	.0001"	±.00005"	206.00	195.70
T436.1XFL-5	68027	4-5"	.0001"	±.00005"	223.00	211.85
T436.1XFL-6	68033	5-6"	.0001"	±.00005"	243.00	230.85

440 Depth Micrometers

- The depths of holes, slots, shoulders and projections can be measured with these fine tools
- 2-1/2" (63.5mm) base and 1/8" (3.2mm) diameter measuring rods
- Combination ratchet and speeder for uniform pressure and quicker adjustment
- Ring-type knurled lock nut for quick and sure locking
- Accuracy- Mic Head: ±.0001"
Rods: ±.0002"



440Z-3L

Cat. No.	EDP	Range	Grad.	No. of Rods	List Price	Sale Price
440Z-3L	52113	0-3"	.001"	3	228.00	216.60
440Z-6L	52117	0-6"	.001"	6	272.00	258.40
440Z-9L	52121	0-9"	.001"	9	344.00	326.80

486 Blade Type Micrometers

- The blades are .030" (0.8mm) thick
- Blades will measure to 5/16" (8mm) depths
- Balanced frame and thimble design ensure easy handling and better readability
- Speeder for quicker adjustment on all sizes



486P-1

Cat. No.	EDP	Range	List Price	Sale Price
486P-1	52499	0-1"	383.00	363.85
486P-2	52501	1-2"	395.00	375.25
486P-3	52503	2-3"	405.00	384.75
486P-4	52505	3-4"	428.00	406.60
486P-5	52507	4-5"	444.00	421.80
486P-6	52509	5-6"	527.00	500.65

823 Tubular Inside Micrometers

- Ideal for internal measurements of cylinders, rings, setting calipers, comparing gages and measuring parallel surfaces
- Rods are rigid and lightweight
- 5-1/2" (140mm) long handle furnished
- Each rod is marked with length
- Hardened and ground anvils
- Accuracy- Mic Head: ±.0001"
Rods: ±.0002"



823AZ

Cat. No.	EDP	Range	Grad.	Rods with Handle	List Price	Sale Price
823AZ	53050	1-1/2" - 8"	.001"	5	287.00	272.65
823BZ	53052	1-1/2" - 12"	.001"	8	351.00	333.45

3732 Electronic Micrometers

- Balanced frame design for comfortable and accurate measuring
- Large, easy-to-read, high-contrast LCD digital readout
- No-glare black wrinkle finish on frame
- Hard and stable one-piece friction thimble permits one-hand operation of micrometer and uniform contact pressure



3732XFL-1

Cat. No.	EDP	Range	Resolution	Accuracy	List Price	Sale Price
3732XFL-1	12268	0-1"	.00005"	±.0001"	128.00	121.60
3732XFL-2	12269	1-2"	.00005"	±.0001"	174.00	165.30
3732XFL-3	12270	2-3"	.00005"	±.0001"	221.00	209.95
3732XFL-4	12271	3-4"	.00005"	±.00015"	247.00	234.65

1202 Dial Caliper

- Provides quick, accurate measurement of O.D., I.D. and depth
- Sharp, clear dial graduations
- Sharp, black graduations on satin finished bar
- Hardened stainless steel
- Lock screws for sliding jaw and dial bezel



1202-8

Cat. No.	EDP	Range	Grad.	Accuracy	List Price	Sale Price
1202-6	66964	0-6"	.001"	0-6" (±.001")	98.00	93.10
1202-8	66979	0-8"	.001"	0-6" (±.001"); 6-8" (±.0015")	139.00	132.05
1202-12	66980	0-12"	.001"	0-6" (±.001"); 6-12" (±.0015")	202.00	191.90

798 Electronic Calipers

- IP67 level of protection against coolant, water, dirt and dust
- Fine adjustment
- Hardened stainless steel measuring surfaces
- Large, easy-to-read, high-contrast LCD digital readout



798A-6/150

Cat. No.	EDP	Range	Grad.	Accuracy	List Price	Sale Price
798A-6/150	20798	0-6"	.0005"	0-6": (±.001")	193.00	183.35
798A-8/200	20799	0-8"	.0005"	0-8": (±.001")	246.00	233.70
798B-6/150	12521	0-6"	.0005"	0-6": (±.001")	232.00	220.40
798B-8/200	12523	0-8"	.0005"	0-8": (±.001")	281.00	266.95

799 Electronic Calipers

- Lightweight, ergonomic design
- Last measuring position retained when shut off
- Large, easy-to-read, high-contrast LCD digital readout
- Inch/millimeter conversion reads .0005" or 0.01mm



799A-6/150

Cat. No.	EDP	Range	Grad.	Accuracy	List Price	Sale Price
799A-6/150	67410	0-6"	.0005"	0-4": (±.001"); 4"-6": (±.0015")	147.00	139.65
799A-8/200	67412	0-8"	.0005"	0-4": (±.001"); 4"-8": (±.0015")	208.00	197.60

3752 Electronic Height Gage

- Clear bar graduations in .100" and 5mm increments
- Large (.380"/9.65mm), easy-to-read LCD display reads to .0005" or 0.01mm
- Instant inch-millimeter conversion
- Carrier and scriber designed to read from zero



3752-12/300

Cat. No.	EDP	Range	Resolution	Grad.	List Price	Sale Price
3752-12/300	68815	0 - 12"	.0005"	.100"	777.00	738.15

3753 Electronic Depth Gage

- Clear, easily-read numbers, properly sized for the tool
- Hardened stainless steel body and slide for long life
- Fine adjustment thumb roll for precision measurements
- Lock to hold the slide in position



3753A-6/150

Cat. No.	EDP	Range	Resolution	Accuracy	List Price	Sale Price
3753A-6/150	12258	0-6"	.0005"	±.001"	266.00	252.70
3753A-8/200	12259	0-8"	.0005"	±.001"	277.00	263.15

3805B Electronic Durometer

- Extra large LED display
- Simple 3-button control
- Auto Hold feature
- Custom carrying case
- Resolution: 0.5 H
- Deviation: \u003c1% H
- Accurate and repetitive deviation = 20~90HSA



3805B

Cat. No.	EDP	Range	List Price	Sale Price
3805B	69882	0-100 HSA	219.00	208.05

SR200 Surface Roughness Tester

- Large screen display
- Unique stylus lift mechanism for total flexibility
- Many application specific parameter options
- Comprehensive selection optional accessories and pickups



SR200

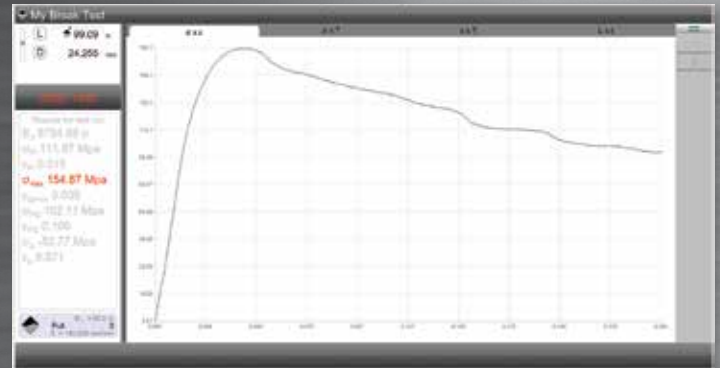
Cat. No.	EDP	Range	Accuracy	List Price	Sale Price
SR200	20951	0.01-0.98"	2% of reading + LSDµm	3,582.00	3,402.90

Introducing L3 Series Software. Reduce Costs. Improve Efficiency.

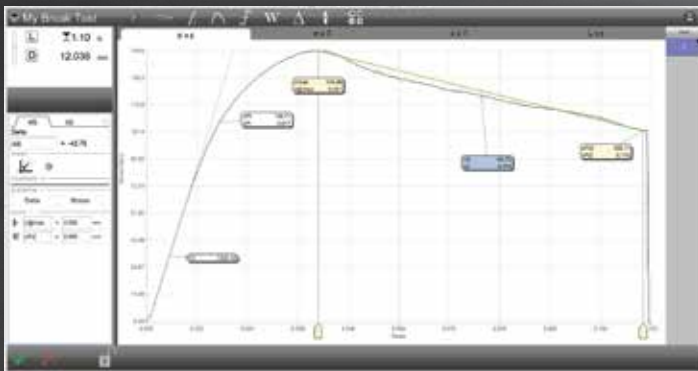
Material Testing Made Easy.



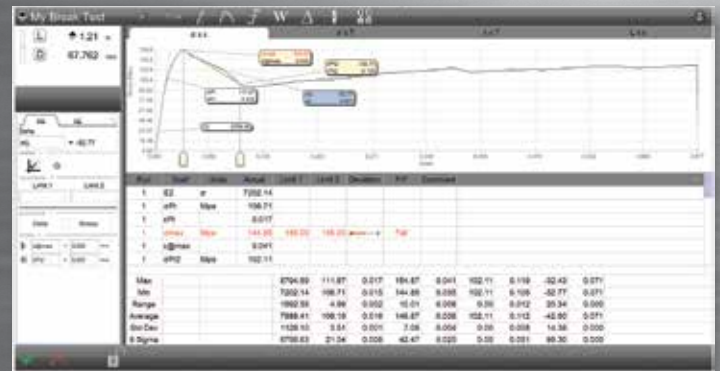
CREATE single and multi-stage tensile, compressive, shear, flexural, cyclic and creep tests on everything from metals to elastomers using international testing standards and methods. Incorporate formulas, command logic and even digital and analog I/O with our all-new single and twin-column material testing frames with load capacities from 500N to 50kN.



PERFORM your L3 test setups with confidence, precision, accuracy and repeatability. L3 Series is ideal for the research scientist, quality engineer and testing technician. Get answers you can trust for your simple or complex testing applications.



ANALYZE your L3 results using a suite of graphical analysis methods. Find individual stress, strain, load and distance results; determine elastic modulus, tensile, bulk and yield strength; find delta results within your test data, a single test, or compared to tests in a batch. Get the result you need with a touch on our L3 all-in-one work station.



MANAGE your L3 results with comprehensive data acquisition and reporting. Interface with your existing statistical process control application seamlessly. And with a true data sampling at 2000Hz, capture all of the data you need for detailed analysis.

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With its innovative graphical test authoring and analysis capability, our new L3 Series software for material testing is the easiest to use, compared to any competitive software solution. And L3 Series does so without compromising your measurement requirements or taking months to obtain proficiency.



MATERIAL MEASUREMENT  SOLUTIONS

25 Dial Indicators

- Offered with lug on center back, 1/4" long radius contact point, and balanced or continuous reading dials
- Models up to .250" in range furnished with case stem cap to accommodate lever control
- Models .500" and 1" range furnished with top lift feature
- Unbreakable crystal
- Hardened stainless steel stem



25-111J

Cat. No.	EDP	Grad.	Range		Reading	List Price	Sale Price
			Total	One Rev.			
25-111J	53223	.0001"	.025"	.010"	0-5-0	229.00	217.55
25-116J	53225	.0001"	.015"	.006"	0-3-0	278.00	264.10
25-118J	53226	.0001"	.020"	.008"	0-4-0	229.00	217.55
25-128J	53230	.00025"	.050"	.020"	0-10-0	168.00	159.60
25-131J	53232	.0005"	.125"	.050"	0-25-0	140.00	133.00
25-134J	53234	.0005"	.050"	.020"	0-10-0	168.00	159.60
25-136J	53236	.0005"	.075"	.030"	0-15-0	156.00	148.20
25-138J	53238	.0005"	.100"	.040"	0-20-0	156.00	148.20
25-141J	53240	.001"	.250"	.100"	0-50-0	140.00	133.00
25-142J	53242	.001"	.050"	.020"	0-10-0	168.00	159.60
25-143J	53244	.001"	.075"	.030"	0-15-0	156.00	148.20
25-144J	53246	.001"	.100"	.040"	0-20-0	156.00	148.20
25-145J	53248	.001"	.125"	.050"	0-25-0	140.00	133.00
25-211J	53255	.0001"	.025"	.010"	0-10	229.00	217.55
25-231J	53263	.0005"	.125"	.050"	0-50	140.00	133.00
25-236J	53267	.0005"	.075"	.030"	0-30	156.00	148.20
25-238J	53269	.0005"	.100"	.040"	0-40	156.00	148.20
25-241J	53271	.001"	.250"	.100"	0-100	140.00	133.00
25-242J	53273	.001"	.050"	.020"	0-20	168.00	159.60
25-243J	53275	.001"	.075"	.030"	0-30	156.00	148.20
25-245J	53279	.001"	.125"	.050"	0-50	140.00	133.00
25-341/5J	53285	.001"	.500"	.100"	0-50-0	140.00	133.00
25-341J	53287	.001"	1.000"	.100"	0-50-0	140.00	133.00
25-431J	53292	.0005"	.500"	.050"	0-50	161.00	152.95
25-441/5J	53293	.001"	.500"	.100"	0-100	140.00	133.00
25-441J	53295	.001"	1.000"	.100"	0-100	140.00	133.00
25-511J	53299	.0001"	.200"	.010"	0-5-0	264.00	250.80
25-611J	53301	.0001"	.200"	.010"	0-10	264.00	250.80
25-631J	53304	.0005"	1.000"	.050"	0-50	161.00	152.95

647 Dial Comparator

- Effective non-shock mechanism
- Pinions and shafts of the movement are jeweled
- After removal of the safety cap the adjustment screw on top of the case allows simple and safe zero setting of the instrument over the total measuring
- A safety cap prevents unintentional turning of the fine adjustment screws



647

Cat. No.	EDP	Range	Graduation	Reading	List Price	Sale Price
647	00001	.004"	.00005"	20-0-20	223.40	212.23

2900 Electronic Indicators

- True Absolute Sensor Technology – remembers position and zero set point even during battery replacement. Cannot be "over-spiced" into failure
- Intuitive design and layout – easy to learn and use
- Positive, tactile-feel button activation
- IP67 protection against dirt, dust water and coolant to withstand hostile shop environments



2900-1

Cat. No.	EDP	Range	Resolution	Accuracy	List Price	Sale Price
2900-1	09980	.5"	±.00005"	±.00012"	304.00	288.80
2900-2	09981	.5"	±.0001"	±.00012"	275.00	261.25
2900-4	09983	.5"	±.0005"	±.001"	390.00	370.50
2900-6	09985	.5"	±.0005"/.0001"/.00005"	±.00012"	461.00	437.95

3808, 3809, 3908 & 3909 Dial Test Indicators

- Three dovetail positioning mounts work with most existing test indicator accessories
- Precision gear-driven design with smooth, jeweled movement
- Contact point reverses automatically, always maintaining clockwise hand rotation
- Contacts are frictionally adjustable and replaceable



3808A

Cat. No.	EDP	Range	Grad.	Reading	List Price	Sale Price
3808A	12331	.008"	.0001"	0-4-0	143.00	135.85
3809A	12333	.030"	.0005"	0-15-0	93.00	88.35
3908A	12488	.008"	.0001"	0-4-0	153.00	145.35
3909A	12527	.030"	.0005"	0-15-0	103.00	97.85

657D Magnetic Base

- Three precision ground magnetic contact surfaces (plus V-step)
- Powerful, permanent magnetic base holds firmly to steel or iron surfaces – horizontally, vertically, upside-down
- The swivel post assembly on these holders provides universal adjustment in both horizontal and vertical planes
- Includes magnetic base with attachments: swivel post snug and gage holding rod



657D

Cat. No.	EDP	List Price	Sale Price
657D	52749	207.00	196.65

657T and 657TW Magnetic Bases

- For use with all Starrett Test, Back-Plunger, AGD, Dial and Miniature-Dial Indicators
- Accommodates similar indicators of other manufacturers
- Includes flex-o-post assembly
- Flexible post can be adjusted to any position and locked by turning a lever



657T

Cat. No.	EDP	List Price	Sale Price
657T	52760	247.00	234.65
657TW*	52761	291.00	276.45

*with fine adjustment feature

657AA Magnetic Base

- For use with all Starrett Test, Back-Plunger, AGD, Dial and Miniature-Dial Indicators
- Accommodates similar indicators of other manufacturers
- Includes magnetic base with attachments: upright base post, two snugs, rod, and indicator attachment



657AA

Cat. No.	EDP	List Price	Sale Price
657AA	52743	176.00	167.20

657 Magnetic Base Indicator Holders - Complete Assemblies

- Works with any indicator with a 3/8" (9.5mm) stem (such as our 25 and 650 and 651)
- Works with any indicator with a standard dovetail mount (such as our 3808, 3809, 3908, 3909, and 811)
- Works with any indicator with a 1/4" (6.3mm) shank (such as our 196)
- Works with any indicator with a 3/16" (4.7mm) shank (such as our 3808, 3809, 3908, 3909, 811 and 711)



657-1

Cat. No.	EDP	List Price	Sale Price
657-1	64436	334.00	317.30
657-2	64437	269.00	255.55

657P Magnetic Base

- 1-15/16" x 1-5/8" x 1-7/8" (50 x 40 x 48mm) deep
- Push button on/off switch for one-hand operation



657P

Cat. No.	EDP	List Price	Sale Price
657P	52757	120.00	114.00

3089 Dial Bore Gages

- All anvils laser marked for easy selection
- Gage chart for quick and easy anvil selection
- Includes sturdy aluminum case with cut outs for gage and all accessories
- Ergonomic design with non-slip insulating grip



3089Z-131-1424J

Cat. No.	EDP	Range	Resolution	List Price	Sale Price
3089Z-131-715J	12456	0.7-1.5"	.0005"	221.00	209.95
3089Z-131-1424J	12457	1.4-2.4"	.0005"	221.00	209.95
3089Z-131-26J	12458	2-6"	.0005"	247.00	234.65

657A Magnetic Base

- Three precision ground magnetic contact surfaces (plus V-step)
- Powerful, permanent magnetic base holds firmly to steel or iron surfaces – horizontally, vertically, upside-down
- The swivel post assembly on these holders provides universal adjustment in both horizontal and vertical planes



657A

Cat. No.	EDP	List Price	Sale Price
657A	52744	169.00	160.55

78 Bore Gages

- Wide measurement range without changing anvils
- Tungsten carbide measuring faces on all 3-point heads above 1/2" (12.5mm)
- Ratchet stop ensures consistent measurements
- Self-centering contacts for true readings



78XTZ-1

Cat. No.	EDP	Range	Resolution	Accuracy	List Price	Sale Price
78XTZ-312	68129	1/4" to 5/16"	.00025"	.00015"	709.00	673.55
78XTZ-375	68130	5/16" to 3/8"	.00025"	.00015"	668.00	634.60
78XTZ-500	68131	3/8" to 1/2"	.00025"	.00015"	672.00	638.40
78XTZ-625	68132	1/2" to 5/8"	.00025"	.00015"	633.00	601.35
78XTZ-750	68133	5/8" to 3/4"	.00025"	.00015"	652.00	619.40
78XTZ-1	68134	3/4" to 1"	.00025"	.00015"	736.00	699.20
78XTZ-138	67674	1" to 1-3/8"	.00025"	.00015"	1,019.00	968.05
78XTZ-2	67675	1-3/8" to 2"	.00025"	.00020"	1,041.00	988.95

781 AccuBore Electronic Bore Gages

- Single-hand operation with right- and left-hand viewing flexibility
- Large, easy-to-read digital display
- Enhanced wear life with carbide-faced contacts – available from 1/2" to 8"
- Convenient "Go/No Go" tolerance indicator lights
- Resolution: .00005"
- Accuracy: .00015"



781XTZ-1

Cat. No.	EDP	Range	List Price	Sale Price
781XTZ-500	68166	3/8" – 1/2"	2,522.00	2,395.90
781XTZ-625	68167	1/2" – 5/8"	2,552.00	2,424.40
781XTZ-750	68168	5/8" – 3/4"	2,684.00	2,549.80
781XTZ-1	68651	3/4" – 1"	2,726.00	2,589.70
781XTZ-138	67685	1" – 1-3/8"	3,085.00	2,930.75
781XTZ-2	67686	1-3/8" – 2"	3,162.00	3,003.90
781XTZ-258	67687	2" – 2-5/8"	3,230.00	3,068.50
781XTZ-314	67688	2-5/8" – 3-1/4"	3,230.00	3,068.50
781XTZ-4	67689	3-1/4" – 4"	3,429.00	3,257.55

C359 Precision Universal Bevel Vernier Protractors

- The protractor is one of the most valuable and useful tools for the kit of every good toolmaker, inspector or machinist
- Available with hardened 7" (175mm) or 12" (300mm) blades which can be rotated to the desired angle and adjusted to the desired length
- Both the dial and the blade can be locked independently
- An acute angle attachment is available



C359BZ

Cat. No.	EDP	Range	Graduation	Reading	List Price	Sale Price
C359BZ	51394	7"	5 min. or 1/12 degree	0-360°	546.00	518.70
C359DZ	51396	12"	5 min. or 1-1/12 degree	0-360°	572.00	543.40
C359FZ	51398	7" & 12"	5 min. or 1-1/12 degree	0-360°	614.00	583.30

435 & C435 Combination Sets

- Reversible lock bolts, scriber, spirit level in both square head and protractor head
- Direct reading double 180° protractor scale
- Hardened steel, machine divided blade



435-12-4R

Cat. No.	EDP	Range	Grad.	Blade Finish	Reading	List Price	Sale Price
C435-12-4R	66682	12"	4R	Satin Chrome	8ths, 16ths, Quick Reading 32nds, 64ths	226.00	214.70
435-12-4R	51556	12"	4R	Regular	8ths, 16ths, Quick Reading 32nds, 64ths	223.00	211.85
435-12-16R	51557	12"	16R	Regular	Quick Reading 32nds, 64ths, Aircraft Quick Reading 50ths, 100ths	229.00	217.55
435-18-4R	51558	18"	4R	Regular	8ths, 16ths, Quick Reading 32nds, 64ths	251.00	238.45
435-24-4R	51559	24"	4R	Regular	8ths, 16ths, Quick Reading 32nds, 64ths	267.00	253.65

698 and 699 Inspection Video Borescopes

- Robust design and construction
- Camera has a tempered glass lens and durable, corrosion resistant stainless steel body



699-10

Cat. No.	EDP	Focal Distance	Resolution	Conduit Length	Probe Dia.	Description	List Price	Sale Price
698-10	62810	30mm~60mm (1.18"~2.36")	640 x 480 (VGA)	1m / 39.4", Gooseneck	10mm	Video Borescope, manual, video output cable, case	249.00	236.55
699-10	62812	30mm~60mm (1.18"~2.36")	640 x 480 (VGA)	1m / 39.4", Gooseneck	10mm	Video Borescope, manual, video output cable, USB cable, 2GB Micro SD card, case	499.00	474.05
699-5.5	62811	20mm~70mm (.79"~2.76")	720 x 480 (D1)	1m / 39.4", Flexible	5.5mm	Video Borescope, manual, video output cable, USB cable, 45° mirror, 2GB Micro SD card, case	599.00	569.05

PROMO 2013.2

Starrett[®]

Precision Tool Promotion

Promo 2013.2

50M/T 08/13

The L.S. Starrett Company

Promotion valid through December 31, 2013

Specifications subject to change.

The L.S. Starrett Company

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