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Eastern Division

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Western Division

1219 W. Mahalo Place, Rancho Dominguez, CA 90220-5446
Telephone : (310) 632-5400 Fax: (310) 632-3900

Supplying the Aerospace, Defense & Metal Working Industries Since 1951!

Minimum Order

\$100.00 List Price

Terms

Net 30 days on approved credit only.
Approved credit cards.
Prepaid via check or wire transfer.

No C.O.D. shipments.

Returns

Return authorization is required.
Merchandise must be sent freight prepaid to the facility from which it was purchased.
A 20% restocking charge is applicable.

All claims must be made within 7 days of receipt of goods.

Freight

F.O.B. shipping point.

Special Orders

All special orders may require prepayment.

Currency

All prices are in US dollars.

Overseas Customer Terms

Same as above, only **prepayment via bank wire transfer (all fees for buyers account) or by bank check.**

US Air Tool Company (also known as USATCO) has been a family owned and operated business since 1951. We are now a US manufacturer and worldwide distributor of high quality tools for the aviation industry with offices in New York & California. In addition, from the beginning of the homebuilder era in the 1970's, USATCO has been providing tools and equipment to craftsmen around the world who build and fly their own aircraft. These "sheet-metal artists" are now flying thousands of planes built and maintained with USATCO tools.

USATCO offers the highest quality products at competitive prices, with the knowledge and experience necessary for expert advice in product selection. Our courteous staff will be pleased to assist you. And of course, all the products we offer are fully guaranteed. If you don't see what you are looking for, please don't hesitate to contact us. We work hard to provide our customers with straightforward & reliable business. Try us & see!

USATCO.com

Don't forget to check out USATCO Online, with monthly sales, homebuilder specials, surplus items & an easy to use interface its a great place to shop for tools on the web. www.USATCO.com

Government IMPAC Cards Accepted

USATCO Tool Repair

We repair all major brand pneumatic tools on our premises. We are an official repair station for Cherry Textron®, Chicago Pneumatic®, and Cooper® Power Tools (including Dotco®, Gardener Denver®, Buckeye® and Doler®). In addition, we have our own manufacturing and modification facilities. We are riveting and product assembly specialists!

We will be happy to examine your tools free of charge and give you an estimate of repair cost. Ship prepaid to any of our facilities. Please send tensiometers to our New York Lab only.

Please ask about our tool rental policy!

Limited Warranty

If for any reason you are not completely satisfied with any item purchased from us you may request a return authorization within seven (7) days of receipt of goods. When obtained, send us the item (transportation prepaid) for replacement, repair or refund. Tools manufactured by USATCO are warrantied for one (1) year from date of purchase. We cannot assume liability for abuse, misuse or alteration of goods. Any tampering with tools or attempted repairs of same will nullify this warranty. Warranties from other manufacturers available upon request.

Type T5 Aircraft Cable Tensiometers

Rugged & Accurate



Small & Lightweight (only 12 ounces)

- These reliable instruments won't suffer from temperature error.
- May be used continuously without resetting or checking.
- Includes appropriate riser blocks, case & documentation.



Replacement Riser Blocks

#1	#2	#2C	#3	#3A
38-T5-1	38-T5-2	38-T5-2C	38-T5-3	38-T5-3A

Foam Fitted T5 Tensiometer Case

Helps Prevent F.O.D.

Protect Your Instrument



Part Number	Description
62-2002	Foam Fitted Plastic Case

Tensiometer Part Number	For Use On Cables	Reading Interval	Ranges	Riser Used
T5-2002-101-00	1/16", 3/32" & 1/8"	5 (10 to 50) lbs	10 to 100 lbs	#1
	5/32" & 3/16"	10 (50 to 150) lbs	15 to 150 lbs	#2C
	7/32" & 1/4"	10 (50 to 150) lbs	25 to 150 lbs	#3
T5-2002-104-00	1/16", 3/32" & 1/8"	10 (30 to 200) lbs	30 to 200 lbs	#1
	5/32" & 3/16"	20 (200 to 300) lbs	30 to 300 lbs	#2C
	7/32" & 1/4"	20 (200 to 300) lbs	30 to 300 lbs	#3
T5-2002-401-00	1/16", 3/32" & 1/8"	5 (10 to 50) lbs	10 to 100 lbs	#1
	5/32" & 3/16"	10 (50 to 150) lbs	15 to 150 lbs	#2C
	7/32" & 1/4"		25 to 150 lbs	#3
	5 & 10 CWT	5 (10 to 50) lbs	10 to 100 lbs	#1
	15 CWT	10 (50 to 150) lbs	15 to 150 lbs	#2C
	20 & 25 CWT	10 (50 to 150) lbs	15 to 150 lbs	#2C
T5-8002-104B-00	70 CWT	10 (50 to 150) lbs	25 to 150 lbs	#3
	1/16"	For All Cables	10 to 300 lbs	#1
	3/32" & 1/8"	5 (10 to 50) lbs	10 to 300 lbs	#2
	5/32" & 3/16"	10 (60 to 100) lbs	10 to 300 lbs	#2C
T5-8005-110-00	7/32" & 1/4"	20 (120 to 300) lbs	10 to 300 lbs	#3A
	3/16"	50 (300 to 1600) lbs	300 to 1600 lbs	#2
	7/32" & 1/4"	50 (300 to 1600) lbs	300 to 1600 lbs	#2C
T5-8005-111-00	5/16"	50 (300 to 1600) lbs	300 to 1600 lbs	#3A
	3/16"	50 (500 to 1000) lbs	500 to 2000 lbs	#2
	7/32" & 1/4"	100 (1000 to 2000) lbs	500 to 2000 lbs	#2C
T5-8008-106-00	5/16"	100 (1000 to 2000) lbs	500 to 2000 lbs	#3A
	1/8" & 5/32"	20 (40 to 600) lbs	40 to 600 lbs	#2
	3/16"	20 (40 to 600) lbs	40 to 600 lbs	#2C
	1/4"	20 (40 to 600) lbs	40 to 600 lbs	#3

Digital Aircraft Cable Tensiometers



- Large, easy to read graphic display clearly shows selected cable size, tension & battery charge level.
- Preset accuracy is +/- 2% (custom settings are material specific).
- Stores five tension readings & can calculate average value.
- Select tension values to indicate Lbs, Kgs or Newtons.

All Models Include:

Digital Tensiometer, Cable Diameter Gauge, Rechargeable NIMH Battery with Power Supply, Instructions, Calibration Certificate & Durable Padded Carrying Case

Note: Optional data input & output configurations available, please inquire.

Standard Preset: 1/16", 3/32", 1/8" & 5/32"		
Part Number	Range	Resolution
90252	20 to 250 lbs	0.5 lbs

Standard Preset: 1/8", 5/32", 3/16" & 1/4"		
Part Number	Range	Resolution
90253	40 to 500 lbs	1.0 lbs

Standard Preset: CWT-5, CWT-10, CWT-15, CWT-20 & CWT-25		
Part Number	Range	Resolution
90254	20 to 250 lbs	0.5 lbs

Standard Preset: 1/16", 3/32", 1/8", 5/32" & CWT-5 to CWT-25		
Part Number	Range	Resolution
90255	20 to 250 lbs	0.5 lbs

USATCO Tensiometer Calibration

USATCO's well equipped facility has 50 years of experience (we can test with 'british' cables). Our test weights are certified traceable to N.B.S. Washington DC. It is recommended that tensiometers be calibrated annually to ensure proper functioning of the device. Send us your tensiometer for repair, test, calibration or certification. Or send us your unit(s) for rebuild or trade-in quote. Please send to our NY facility: 60 Fleetwood Court, Ronkonkoma, NY 11779-6907

Type T60 Aircraft Cable Tensiometers



- Positive 3-point cable gap & no alternate risers (no losable parts).
- Unit is not damaged by cable tensions above stated range.
- Unit includes fitted carrying case & instructions.

Part No.	Ranges	For Use On Cables
T60C81A	10 to 200 lbs	1/16", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4"
T60C91A	150 to 450 lbs	1/8", 5/32", 3/16", 7/32" & 1/4"

Rebuilt & Calibrated Aircraft Cable Tensiometers



- Rugged units require no oiling & require a minimum of care.
- Adjustable zero setting dial for cables of different diameters.
- Cable size indicator measures unknown cable diameters.
- Includes reference test bar, fitted carrying case & instructions.

Part No.	Ranges	For Use On Cables*
39-C8	10 to 200 lbs	1/16", 3/32", 1/8", 5/32", 3/16", 7/32" & 1/4"
	30 to 200 lbs	
	80 to 200 lbs	
39-C9	150 to 450 lbs	1/8", 5/32", 3/16", 7/32" & 1/4"

* Please specify cable size when ordering.

TESTING & MEASURING

Digital Protractor / Inclinometers

70576



- Versatile digital level, 360° protractor & inclinometer for instant and accurate measurements of level, angle & tilt.
- Rugged sensors & high-impact machined aluminum frame.
- Hold button freezes the displayed angle.
- 'V' grooves in edges for accurate reading on curved surfaces.
- Floating zero - provides zero selection anywhere in the 360° range.

Pro 360 - 0.1° Resolution			
Part Number	Range	Overall Length	Weight
70576	360° (4 x 90°)	6" (152 mm)	10.2 oz (289 g)

Accuracy: ± 0.1° (level ± 10°), ± 0.1° (plumb ± 10°), ± 0.2° maximum error.



70577

Pro 3600

- Features greater accuracy & SPC output.
- SPC uses serial port (RS-232) & 10 pin rectangular connector.

Pro 3600 - 0.01° Resolution (0° to ± 10°), 0.10° (10° to 90°)			
Part Number	Range	Overall Length	Weight
70577	360° (4 x 90°)	6" (152 mm)	10.4 oz (295 g)

Accuracy: ± 0.05° (0° to 10°), ± 0.20° (10° to 80°), ± 0.10° (80° to 90°).

Protractor & Depth Gauge



- Stainless steel construction with permanently etched gradations.
- Locking nut for making both depth & angle measurements.
- Narrow depth gauge has etched gradations in 32nds & 64ths.

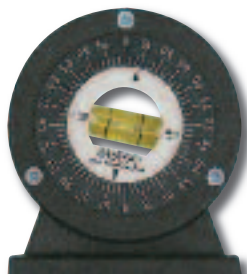
Part Number	Depth Gauge	Angle Range
19	6" x 1/4"	±180°

Economy Angle Protractor

Built-In Pitch Angle Calculator

Finds or measures any angle where pitch or slope is necessary. Magnetic base and back.

Part Number	Weight
L36P	0.4 lbs (0.2 kgs)



Telescoping Gauge Sets

Satin Chrome Finish



Includes Carrying Case

10-933-0

- Contact points constructed of hardened tool steel that are precision ground on the end measuring radius.
- Self-centering rigid handle for uniform contact pressure.

Part Number	Type	Measuring Range
10-933-0	Mitutoyo® Deluxe	5/16" to 6"
57-430-1	Economy	5/16" to 6"

Sheet Metal Gauge

Chrome Finished Tool Steel



Hardened & Tempered

- American standard wire gauge (0 to 36) for non-ferrous metals.
- Stamped numbers with decimal equivalents stamped on reverse.

Part Number	Thickness	Diameter
20	3/32"	3-1/4" (83 mm)

SPI® Precision Inspection Gauge Ball Sets

10-193-1



Meets All Grade 24 AFBMA Standards

- Within 0.0001" / 0.0025 mm of actual size.
- Spherical accuracy within 0.000025" / 0.0006 mm.
- 63 HRC chrome alloy steel - surface finish to 1.5 micro-inches.

Part Number	Type	Includes
10-193-1	Inch	26 Pairs, 1/8" to 1"
10-194-9	Metric	25 Pairs, 1 mm to 25 mm

SPI® Pin Gauge Sets



Certificate Of Accuracy Included

13-123-5

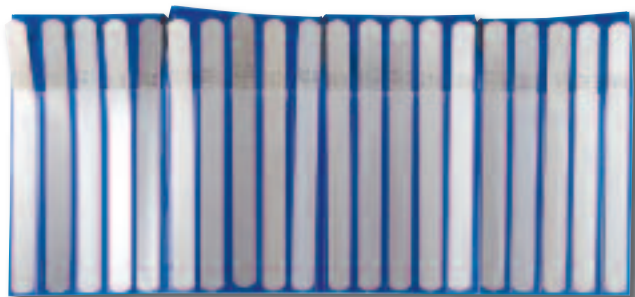
Quick & Accurate

- Measure hole size, slot width, use as go/nogo gaging, etc.
- Inspected with equipment calibrated & traceable to NIST.
- 2" hardened drill rod RC 60-62, 10 micro finish or better.
- Includes pin gauge holder & attractive molded plastic case.

Accuracy +0.0002" -0"	Accuracy -0.0002" +0"	Range	Set
13-120-1	13-121-9	0.011" to 0.060"	50 PC
13-122-7	13-123-5	0.061" to 0.250"	190 PC
13-124-3	13-125-0	0.251" to 0.500"	250 PC
13-126-8	13-127-6	0.501" to 0.625"	125 PC
13-128-4	13-129-2	0.626" to 0.750"	125 PC
13-130-0	13-131-8	0.751" to 0.832"	82 PC
13-132-6	13-133-4	0.833" to 0.916"	84 PC
13-134-2	13-135-9	0.917" to 1.000"	84 PC

SPI® Feeler (Thickness) Gauge Sets

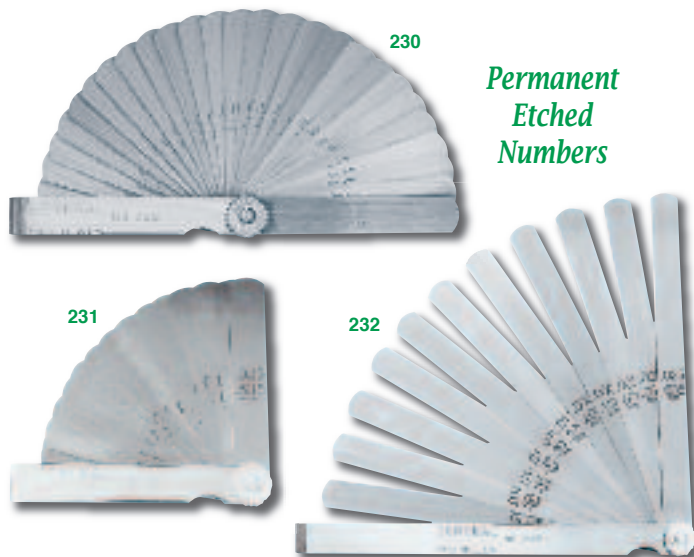
Tempered Steel Hardened To 45 RC



- Thickness etched on each leaf, accuracy meets federal specs.
- Plastic case with individual blade pockets included.

Part Number	Range	Leaves	Leaf Size
91-343-4	0.001" to 0.025"	20	6" (152 mm)
91-344-2	0.05 to 1.00 mm	20	6" (152 mm)

Feeler (Thickness) Gauges



Permanent Etched Numbers

- Knurled lock nut holds leaves in desired position.
- Easy to read numbers include thousandths and mm equivalents.

Standard Feeler Gauge Sets			
Part Number	Range	Leaves	Leaf Size
230	0.037 to 0.635 mm	26	3" (76 mm)
231	0.002" to 0.025"	15	3" (76 mm)
232	0.002" to 0.025"	15	6" (152 mm)

Precision Feeler Gauge Set

- Made of high-grade precision gauge steel.
- Meets government specification GG-G-86b.

Part Number	Range	Leaves	Leaf Size
226	0.0015" to 0.025"	26	3" (76 mm)

SPI® Countersink Gauges

Convenient 5" Pocket Size

- Fast & accurate measurements of countersink diameters.
- Direct major reading of countersink angles to 0.002".
- Convenient one hand operation, dial reading is held until reset.
- Each gauge includes setting ring & foam lined storage case.



20-535-1

Part Number	Diameter Range	C'sink Angle	Part Number	Diameter Range	C'sink Angle
20-530-2	0.020 - 0.170"	82°	20-541-9	0.160 - 0.360"	100°
20-535-1	0.020 - 0.170"	90°	20-542-7	0.360 - 0.560"	100°
20-536-9	0.160 - 0.360"	90°	20-545-0	0.020 - 0.170"	110°
20-537-7	0.360 - 0.560"	90°	20-546-8	0.160 - 0.360"	110°
20-540-1	0.020 - 0.170"	100°	20-547-6	0.360 - 0.560"	110°

TESTING & MEASURING

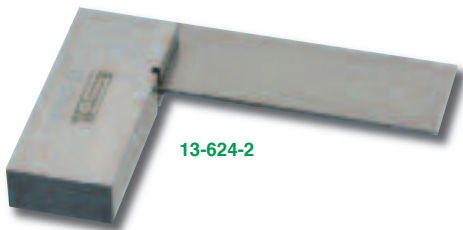
Bolt Gauge

- Sizes all bolts up to 5/8" diameter & 5" long.
- Complete instructions & bolt identification data on reverse side.



Part Number	Overall Dimensions
1350	5-1/2" x 6"

SPI® Machinist Squares & Sets



13-624-2

- Hardened steel blades permanently secured to beam ensures rigidity, and working edges of blades lapped to accuracy.
- Precision ground for straightness & parallelism.

Part Number	Linear Dimensions	Accuracy (square, parallel)
13-624-2	2" Blade, 2" Beam	0.0010", 0.0005"
13-625-9	3" Blade, 2-1/2" Beam	0.0011", 0.0006"
13-626-7	4" Blade, 3" Beam	0.0012", 0.0006"
13-627-5	6" Blade, 4" Beam	0.0014", 0.0007"
13-628-3	9" Blade, 5-1/2" Beam	0.0017", 0.0009"
13-629-1	12" Blade, 7-1/2" Beam	0.0020", 0.0010"

13-634-1



Sets Include
Fitted Plastic Case

Machinist Square Sets		
Part Number	Description	Sizes
13-632-5	3 PC Set	2, 3 & 4"
13-633-3	3 PC Set	2, 4 & 6"
13-634-1	4 PC Set	2, 3, 4 & 6"
13-635-8	4 PC Set	4, 6, 9 & 12"

Ultratest® Steel Rulers



- Ultra fine black graduations on hard satin chrome finish.
- Easy read type are black with white graduations.

Satin Chrome Finish - 5R Graduations			
Part Number	Type	Width	Overall Length
645	Flex	1/2"	6" (152 mm)
665	Rigid	3/4"	6" (152 mm)
1245	Flex	1/2"	12" (305 mm)
1265	Rigid	1"	12" (305 mm)
1845	Flex	3/4"	18" (457 mm)
1865	Rigid	1-1/8"	18" (457 mm)
2445	Flex	3/4"	24" (610 mm)
2465	Rigid	1-1/8"	24" (610 mm)

Easy Read Finish - 5R Graduations			
Part Number	Type	Width	Overall Length
8166	Flex	1/2"	6" (152 mm)
8167	Rigid	3/4"	6" (152 mm)
8266	Flex	1/2"	12" (305 mm)
8267	Rigid	1"	12" (305 mm)
8766	Flex	3/4"	18" (457 mm)
8767	Rigid	1-1/8"	18" (457 mm)
8866	Flex	3/4"	24" (610 mm)
8867	Rigid	1-1/8"	24" (610 mm)

Note: Graduations: 32nds, 64ths, 10ths & 100ths.

Lufkin® P1000 Tape Measures



Hi-Visibility
Case



Accuracy Exceeds
NIST Standards

Comfortable
& Durable

PHV1425

- Super tough ABS case with comfortable non-slip rubber overmold.
- Patented long-life end hook & full length clear-coated blade.

Part Number	Blade Width	Blade Length	Scale
PHV1316	3/4" (19 mm)	16' (5 m)	Inch
PHV1425	1" (25 mm)	25' (7.5 m)	Inch
PHV1425ED	1" (25 mm)	25' (7.5 m)	Inch, 10ths, 100ths
PHV1035CME	3/4" (19 mm)	16' (5 m)	Inch, Metric
PHV1023CME	1/2" (13 mm)	10' (3 m)	Inch, Metric

Fowler® IP54 Digital Micrometers



Protected To IP54 Specification

- Carbide measuring faces & large easy to read display.
- Includes shop hardened case & standards.

± 0.001" Accuracy - 0.00005" Resolution	
Part Number	Range
P54-860-001	0" to 1"
P54-860-002	1" to 2"
P54-860-003	2" to 3"

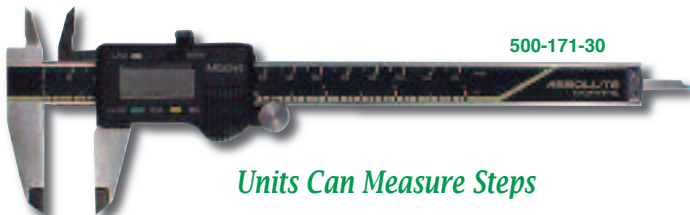
Fowler® Digital Calipers



- Patented ceramic capacitive sensor.
- Stainless steel frame & large easy to read display.

± 0.001" Accuracy - 0.0005" Resolution	
Part Number	Range
P54-100-004	0" to 4"
P54-100-000	0" to 6"
P54-100-008	0" to 8"
P54-100-112	0" to 12"

Mitutoyo® Digimatic Calipers



500-171-30

Units Can Measure Steps

- With thumb roller & unique thumb lock.
- Zero setting, data hold & error alarm (SPC output available).

± 0.001" Accuracy - 0.0005" Resolution	
Part Number	Range
500-171-30	0" to 6"
500-172-20	0" to 8"

Mitutoyo® Digimatic Measurement Kits



64PKA076

- Sturdy fitted mahogany case with accessory compartments.
- Kits include either a standard digital ratchet micrometer or a digital friction thimble micrometer which provides a higher degree of positive repeatability.
- Micrometers conform to IP65 specification.
- Calipers include Absolute Encode technology allowing the user to zero at any point for incremental comparison measurements.

Includes:

Digimatic Micrometer (0" to 1"), Digimatic Caliper (0" to 6"), Micrometer Spanner, Batteries & Mahogany Case

0.00005" Micrometer Resolution - 0.0005" Caliper Resolution	
Part Number	Description
64PKA076	Measurement Kit with Ratchet Micrometer
64PKA077	Measurement Kit with Friction Thimble Micrometer

Fowler® Electronic Depth Gauge



Six Interchangeable Rod Extensions Provide A Large 0-22" Capacity

Includes Shop Hardened Case



- Relative and absolute measuring modes.
- Carbide contact point with two extra points for small work.
- Hardened steel base, ground and microlapped for accuracy*.
- Direct inch-metric conversion, zero reset and hold feature.

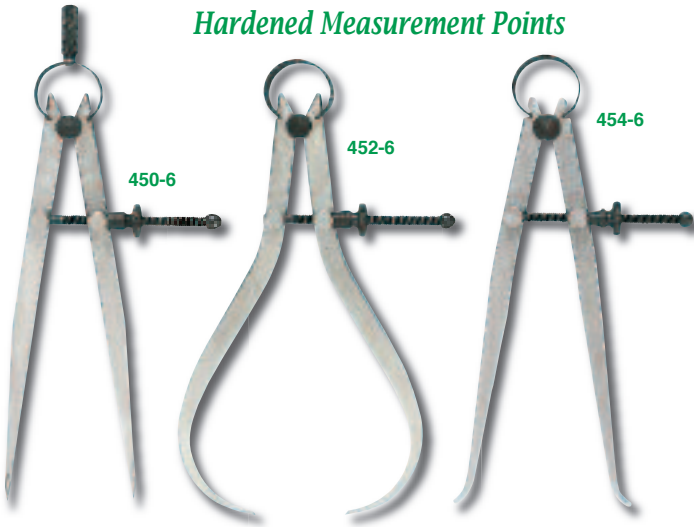
Part Number	Range	Travel**	Resolution
54-125-777	0-22" (0-550mm)	0-1"	0.0005" (0.01mm)

* Base size is 4" x 0.0630". ** Electronic indicator stem is 3/8".

TESTING & MEASURING

Dividers & Calipers

Hardened Measurement Points



- Special caliper steel with hardened point dividers.
- Hardened & tempered bow springs & fulcrum spools assure uniform tension without side play.
- Meets government specification GGG-C-95.

Part Number	Description	Overall Length
450-6	Flat Leg Divider	6" (152 mm)
452-6	Outside Caliper	6" (152 mm)
454-6	Inside Caliper	6" (152 mm)

SPI® Hardness Testing File Set



- Practical, inexpensive method to quickly determine approx. hardness of heat treated workpieces & materials.
- Handy, color coded set of size testing files covers nominal hardness from 40 RC to 65 RC in increments of 5 RC.
- Special curved design for easy access in hard to reach places.

Part Number	Description
98-720-6	Hardness Testing File Set

SPI® Surface Roughness Standards Sets



Economy set of 30 (7/8" x 3/8") electro formed, solid nickel specimens. Each type of surface finish is truly and consistently reproduced, offering a realistic idea of the feel, appearance & texture of the machined components. Conforms to S.A.E. & military specifications for visual & tactile inspections. Includes instructions and graph correlating inch & metric surface finish values plus ISO "N" scale.

Specimens Included:

Three Flat Lapping (2, 4 & 8 μ"), Three Reaming (16, 32 & 63 μ"), Six Grinding (2, 4, 8, 16, 32 & 63 μ"), Six Horizontal Milling (16, 32, 63, 125, 250 & 500 μ"), Six Vertical Milling (16, 32, 63, 125, 250 & 500 μ") & Six Turning (16, 32, 63, 125, 250 & 500 μ")

Part Number	Description
30-695-1	Surface Roughness Standards Set

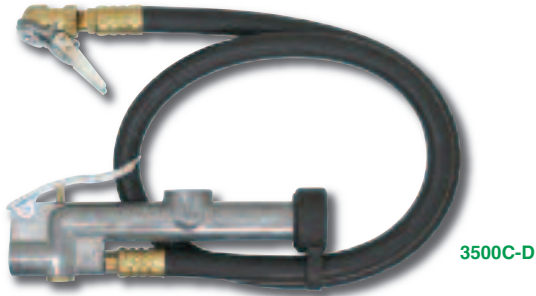
Part Number	Description
30-695-1CAL	Surface Roughness Standards Set With Long Form Calibration Report

More Gauges & Measuring Devices

- BRFZ (C'sink Go / No-Go) 79
- Cherry Blind Rivet Gauges 118
- Drill Bit Gauges 27
- Hi-Shear Grip Gauge 131
- Hi-Shear Pin Protrusion Gauges 131
- Rivet Gauges 40
- Sleeve Gauges (Locoloc) 191
- Swaged Terminal Gauges 193
- Visu-Lok & Composi-Lok Gauges 131



Schrader® Lever Control Type Inflating Gauges



Three foot hose length for safe distance when mounting tires.

Part Number	Air Chuck	Range
3500C-D	Clip-On	10 to 120 psi
3651C-D	Dual Foot	10 to 120 psi

Tire & Pressure Gauges

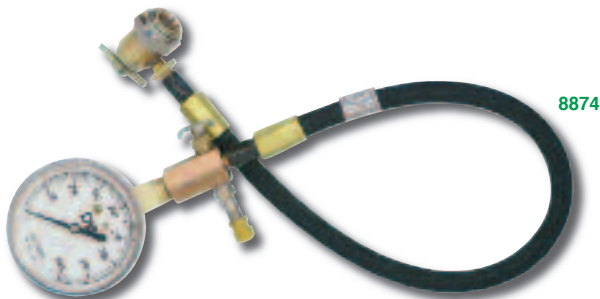


- Bourdin type dial gauge with flexible hose & 6" dual chuck.
- Includes recalibration screw for adjustments & metal carrying case.

Part Number	Range	Overall Length
8885	10 to 200 psi	18" (45.7 cm)
8844	0 to 400 psi	18" (45.7 cm)
8844B*	0 to 400 psi	18" (45.7 cm)

* Includes three metal extensions.

Hydraulic Shock Strut Gauges



- Screw type locking chuck securely attaches to valve.
- Includes drain cock for bleeding pressures & metal carrying case.

Part Number	Range	Overall Length
8874*	0 to 400 psi	18" (45.7 cm)
8875	0 to 1,500 psi	25" (63.5 cm)
8876	0 to 3,000 psi	18" (45.7 cm)

* Includes three metal extensions.

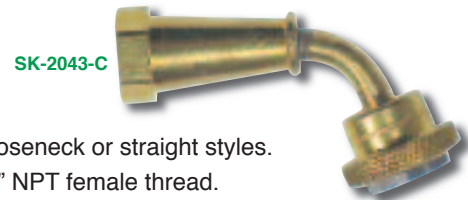
Digital Pressure Gauge



- Four digit display to 10ths of PSI (also reads in Bar, KPa etc.).
- Pressure bleeder valve, zero button & peak hold reading.
- Swivel fitting dual foot chuck & protective rubber boot.
- Backlight button for low light conditions, manual & auto shutoff.

Part Number	Range	Accuracy
TTL-300-DTG	300 PSI	± 0.5% of Full Scale

High Pressure Hose Couplings



- Gooseneck or straight styles.
- 1/8" NPT female thread.

Part Number	Style	Working Pressure	Proof Pressure
SK-2043-C	Gooseneck	5,000 psi	10,000 psi
SK-2043-S	Straight	5,000 psi	10,000 psi
SK-2043-5	Replacement Seal		

Replacement Lock Chucks

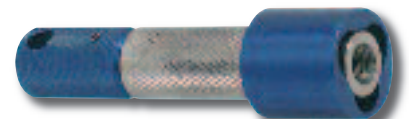
Note: 3/8"-24 side hose connector.

Part No.	Type	Thread
9043	T-Handle	.305"-32
8927	T-Handle	.485"-26
9044	No Handle	.307"-32



Valve Core Removal Tool

Rapid & Safe
Tire Deflation



- Knurled design for easy handling.
- Exhausts air towards wheel & traps the valve core within the tool.

Part Number	Description
ATSK3614	Valve Core Removal Tool