



40281

WILLIAMS®

COMPACT MULTI-METER

| Product Code | Description |
|--------------|---------------------|
| 40281 | Compact Multi-meter |

Features

- Manual ranging meter for user controlled setting selections
- Compact housing for easy mobility and convenient storage
- Offers numerous electrical test settings such as: AC and DC Volts, Resistance (Ohms), Continuity for basic electrical testing
- 2,000 count LCD display is easy to read
- Data hold button captures and locks in readings
- Protective boot cushions the meter if it is dropped
- Built in tilt stand allows the meter to stand upright for easier visibility
- On/Off button activates the meter Sleep mode allows the meter to turn off automatically to conserve battery life
- CULus 3111 agency approval insures the meter conforms to materials, components and testing set forth by the agency for safety
- CAT III 600V rating positions it at the mid to upper range of this safety rating for user selection criteria



40284

WILLIAMS®

COMPACT MULTI-METER

| Product Code | Description |
|--------------|---------------------|
| 40284 | Compact Multi-meter |

Features

- Auto ranging meter selects the range setting of the range automatically
- Manual range button converts the meter form auto to manual ranging for selectable range limits for increased control of the reading
- Multiple dial settings offers test settings such as: AC/DV Amps, milliAmps and micro Amps, AC/DC Volts, Diode test, Continuity and Resistance (Ohms), for a wide variety of common electrical tests
- 3,260 count LCD display is large and easy to read
- Data hold button captures and locks in readings
- Protective shock absorbing boot cushions the meter if it is dropped
- Built in tilt stand allows the meter to stand upright for easier visibility
- Dial positions activate the meter along with two OFF positions for easy ON/OFF control
- Sleep mode allows the meter to turn off automatically to conserve battery life
- Analog bar graph helps visualize rapidly changing signals
- CULus 3111 agency approval insures the meter conforms to materials, components and testing set forth by the agency for safety
- CATII 1,000V and CAT III 600V rating positions it at the higher side of this safety rating for user selection criteria



448-0723

40282

448-0722

WILLIAMS®

WIRELESS BORESCOPE

Lightweight handheld design

| Product Code | Description |
|--------------|-------------------------------|
| 40282 | Wireless Borescope |
| 448-0722 | Side view cable/camera (17mm) |
| 448-0723 | Flex cable/camera (5.5mm) |

Features

- Facilitates easy surveying of small, hard-to-reach places.
- Mini water-proof (IP67 standard) camera with 3ft. (1m) flexible extended tube.
- Increased visibility with 3X zoom capability.
- 3.5" Thin Film Transistor-LCD detachable/mountable monitor with built-in rechargeable Lithium battery.
- Video recording capability, supports up to 32GB micro SD card.
- Adjustable brightness on lens-mounted LED light.
- 3.5 inch display with 640x480 pixels.
- Lightweight handheld design making it very flexible and convenient to use.

40282 Contents Include:

- 3/8" (9mm) flexible tube with lens.
- Handle with detachable LCD monitor.
- Accessory kit (Hook, Magnet, Mirror and Rubber Ring).
- Power Adapter, USB Cable, AV output cable.
- Durable carry case with user manual.

WILLIAMS

SET-UP WEDGES

Heavy Duty Machine Shop Tools

| Product Code | Length | Width | Thick End |
|--------------|--------|-------|-----------|
| WG-3 | 3 | 1 | 1/4 |
| WG-5 | 5 | 1 | 1/2 |
| WG-6 | 6 | 1 1/4 | 3/4 |

Features

- Set-up wedges are used for setting-up work on planers, shapers, milling machines and other similar applications.



WG-5

WILLIAMS

EYEBOLTS

Plain Pattern

| Product Code | Shank Diameter (Inches) | Threads per Inch | Capacity of Vertical Load (lbs) | Length of Shank (Inches) | Inner Diameter (Inches) | Head Cross Section Thickness (Inches) | Overall Length (Inches) | Ultimate Strength (lbs) |
|--------------|-------------------------|------------------|---------------------------------|--------------------------|-------------------------|---------------------------------------|-------------------------|-------------------------|
| EB-1T | 1/4 | 20 | 500 | 1 | 3/4 | 5/32 | 2 1/4 | 2500 |
| EB-2T | 5/16 | 18 | 900 | 1 1/8 | 27/32 | 3/32 | 2 5/8 | 4500 |
| EB-3T | 3/8 | 16 | 1,300 | 1 1/4 | 1 1/32 | 3/16 | 2 29/32 | 6500 |
| EB-4T | 7/16 | 14 | 1,800 | 1 3/8 | 1 1/8 | 3/8 | 3 1/4 | 9000 |
| EB-5T | 1/2 | 13 | 1,400 | 1 1/2 | 1 1/8 | 3/32 | 3 5/8 | 12000 |
| EB-6T | 9/16 | 12 | 3,000 | 1 5/8 | 1 1/4 | 1/2 | 3 31/32 | 15000 |
| EB-7T | 5/8 | 11 | 4,000 | 1 3/4 | 1 3/16 | 5/16 | 4 3/8 | 20000 |
| EB-8T | 3/4 | 10 | 5,000 | 2 | 1 17/32 | 3/8 | 4 29/32 | 25000 |
| EB-9T | 7/8 | 9 | 7,000 | 2 1/4 | 1 5/8 | 19/16 | 5 1/16 | 35000 |
| EB-10T | 1 | 8 | 9,000 | 2 1/2 | 1 3/4 | 29/32 | 6 1/8 | 45000 |
| EB-11T | 1 1/8 | 7 | 12,000 | 2 3/4 | 1 19/16 | 1 1/16 | 6 7/8 | 60000 |
| EB-12T | 1 1/4 | 7 | 15,000 | 3 1/2 | 2 5/32 | 1 5/32 | 7 1/2 | 75000 |
| EB-14T | 1 1/2 | 6 | 21,000 | 3 3/4 | 2 7/16 | 1 13/32 | 8 19/16 | 105000 |
| EB-15T | 1 3/4 | 5 | 28,000 | 3 3/4 | 2 29/32 | 1 21/32 | 9 7/8 | 140000 |
| EB-16T | 2 | 4 1/2 | 38,000 | 4 | 3 5/32 | 1 27/32 | 11 | 190000 |
| EB-17T | 2 1/2 | 4 | 56,000 | 5 | 4 | 2 1/4 | 13 1/2 | 280000 |

ANSI Spec: B18.15 1985

Features

- Forged from the best quality carbon steel, hardened and tempered to ensure increased strength and toughness and reduce liability or breakage.
- Each lot is tested and inspected to insure conformance to specifications.
- Available with UNC Class 2A thread only.
- Plain pattern eyebolts must never be used to lift an angular load.
- Eyebolt shanks should never be undercut or eyebolt shank diameters reduced.
- To obtain greatest strength from an eye bolt, it must fit reasonably tight in the hole into which it is screwed to prevent unscrewing due to twist of cable. Tightness and seating must be checked after initial load.



EB-9T

WILLIAMS

EYEBOLTS

Shoulder Pattern

| Product Code | Shank Diameter (Inches) | Threads per Inch | Length of Shank (Inches) | Inner Diameter (Inches) | Head Cross-Section Thickness (Inches) | Overall Length (Inches) | Shoulder Width (Inches) | Ultimate Strength (lbs) |
|--------------|-------------------------|------------------|--------------------------|-------------------------|---------------------------------------|-------------------------|-------------------------|-------------------------|
| EB-21T | 1/4 | 20 | 1 | 3/4 | 3/32 | 2 7/16 | 9/16 | 2500 |
| EB-22T | 5/16 | 18 | 1 1/8 | 27/32 | 3/32 | 2 7/8 | 19/32 | 4500 |
| EB-23T | 3/8 | 16 | 1 1/4 | 1 | 5/16 | 3 11/32 | 21/32 | 6500 |
| EB-24T | 7/16 | 14 | 1 3/8 | 1 1/16 | 3/8 | 3 23/32 | 27/32 | 9000 |
| EB-25T | 1/2 | 13 | 1 1/2 | 1 1/32 | 7/16 | 4 1/32 | 29/32 | 12000 |
| EB-26T | 9/16 | 12 | 1 5/8 | 1 11/32 | 7/32 | 4 13/32 | 15/16 | 15000 |
| EB-27T | 5/8 | 11 | 1 3/4 | 1 11/32 | 9/16 | 4 3/4 | 1 1/32 | 20000 |
| EB-28T | 3/4 | 10 | 2 | 1 1/2 | 11/16 | 5 11/32 | 1 5/16 | 25000 |
| EB-29T | 7/8 | 9 | 2 1/4 | 1 3/8 | 13/16 | 6 | 1 7/16 | 35000 |
| EB-30T | 1 | 8 | 2 1/2 | 1 13/16 | 7/8 | 6 3/4 | 1 3/8 | 45000 |
| EB-31T | 1 1/8 | 7 | 2 3/4 | 1 15/16 | 1 1/16 | 7 1/2 | 1 3/4 | 60000 |
| EB-32T | 1 1/4 | 7 | 3 | 2 1/8 | 1 3/16 | 8 3/8 | 2 1/32 | 75000 |
| EB-34T | 1 1/2 | 6 | 3 1/2 | 2 19/32 | 1 1/2 | 9 3/8 | 2 3/16 | 105000 |
| EB-35T | 1 3/4 | 5 | 3 3/4 | 2 27/32 | 1 19/32 | 10 3/4 | 2 1/2 | 140000 |
| EB-36T | 2 | 4 1/2 | 4 | 3 5/32 | 1 7/8 | 12 | 2 29/32 | 190000 |

ANSI Spec: B18.15 1985

Features

- Forged from the best quality carbon steel, hardened and tempered to ensure increased strength and toughness and reduce liability or breakage.
- Each lot is tested and inspected to insure conformance to specifications.
- Available with UNC Class 2A thread only.
- Eyebolt shanks should never be undercut or eyebolt shank diameters reduced.
- Shoulder eye bolts must be properly seated (should bear firmly against the mating part) otherwise the working loads must be reduced substantially. A steel washer or spacer may be required for proper seating.
- To obtain greatest strength from an eye bolt, it must fit reasonably tight in the hole into which it is screwed to prevent unscrewing due to twist of cable. Tightness and seating must be checked after initial load.



EB-29T

SET-UP WEDGES/EYEBOLTS

TOOLS FOR THE TRADES





EYEBOLT ANGULAR LOADING RATED CAPACITY

Material Data

Grade: Carbon Steel
Heat Treat: Quench & Draw

Mechanical Properties

Grain Size: 5 or finer
Tensile: 65,000 PSI Min
Yield: 30,000 PSI Min
Elongation: 30% Min
Reduction of Area: 60% Min

| Part Number Plain | Shank Diameter | Threads Per Inch | Capacity of Vertical Load (lbs) | Ultimate Strength (lbs) | Angular Loading Rated Capacity (Pounds) | | | |
|----------------------|-------------------|---------------------|------------------------------------|----------------------------|---|--------------|--------------|--------------|
| | | | | | 0 Degree | 30 Degree | 60 Degree | 90 Degree |
| EB-1T | 1/4 | 20 | 500 | 2,500 | | | | |
| EB-2T | 5/16 | 18 | 900 | 4,500 | | | | |
| EB-3T | 3/8 | 16 | 1,300 | 6,500 | | | | |
| EB-4T | 7/16 | 14 | 1,800 | 9,000 | | | | |
| EB-5T | 1/2 | 13 | 2,400 | 12,000 | | | | |
| EB-6T | 9/16 | 12 | 3,000 | 15,000 | | | | |
| EB-7T | 5/8 | 11 | 4,000 | 20,000 | | | | |
| EB-8T | 3/4 | 10 | 5,000 | 25,000 | | | | |
| EB-9T | 7/8 | 9 | 7,000 | 35,000 | | | | |
| EB-10T | 1 | 8 | 9,000 | 45,000 | | | | |
| EB-11T | 1 1/8 | 7 | 12,000 | 60,000 | | | | |
| EB-12T | 1 1/4 | 7 | 15,000 | 75,000 | | | | |
| EB-14T | 1 1/2 | 6 | 21,000 | 105,000 | | | | |
| EB-15T | 1 3/4 | 5 | 28,000 | 140,000 | | | | |
| EB-16T | 2 | 4 1/2 | 38,000 | 190,000 | | | | |
| EB-17T | 2 1/2 | 4 | 56,000 | 280,000 | | | | |
| EB-21T | 1/4 | 20 | 500 | 2,500 | 440 | 70 | NR | NR |
| EB-22T | 5/16 | 18 | 900 | 4,500 | 720 | 170 | NR | NR |
| EB-23T | 3/8 | 16 | 1,300 | 6,500 | 1,080 | 335 | 185 | 150 |
| EB-24T | 7/16 | 14 | 1,800 | 9,000 | 1,480 | 435 | 275 | 215 |
| EB-25T | 1/2 | 13 | 2,400 | 12,000 | 1,960 | 695 | 460 | 365 |
| EB-26T | 9/16 | 12 | 3,000 | 15,000 | 3,140 | 1,220 | 735 | 600 |
| EB-27T | 5/8 | 11 | 4,000 | 20,000 | 3,140 | 1,220 | 735 | 600 |
| EB-28T | 3/4 | 10 | 5,000 | 25,000 | 4,600 | 1,950 | 1,095 | 960 |
| EB-29T | 7/8 | 9 | 7,000 | 35,000 | 6,400 | 2,710 | 1,750 | 1,485 |
| EB-30T | 1 | 8 | 9,000 | 45,000 | 8,400 | 3,595 | 2,450 | 2,160 |
| EB-31T | 1 1/8 | 7 | 12,000 | 60,000 | 10,600 | 4,235 | 3,380 | 2,985 |
| EB-32T | 1 1/4 | 7 | 15,000 | 75,000 | 13,400 | 5,540 | 3,675 | 3,285 |
| EB-34T | 1 1/2 | 6 | 21,000 | 105,000 | 19,600 | 8,410 | 5,590 | 5,080 |
| EB-35T | 1 3/4 | 5 | 28,000 | 140,000 | 28,000 | 12,100 | 8,250 | 7,370 |
| EB-36T | 2 | 4 1/2 | 38,000 | 190,000 | 38,000 | 15,970 | 10,910 | 9,740 |

NR = Not Recommended.

- No greater load should be allowed than that given under rated capacity in each table of dimensional data.
- Safety Factor: Rated capacity is figured with 5:1 safety factor for zero degree straight vertical pull.

EYEBOLT CAPACITY

TOOLS FOR
THE TRADES

WILLIAMS®

FLUTED SCREW EXTRACTORS

Straight, Tapered Flutes

| Product Code | Drill Size (Inches) | For Use on Bolt Sizes (Inches) |
|--------------|---------------------|--------------------------------|
| EX-21A | 1/8 | 1/4 to 3/16 |
| EX-21B | 3/16 | 3/8 |
| EX-22A | 7/32 | 7/16 |
| EX-24A | 5/16 | 1/2 to 9/16 |
| EX-25B | 3/8 | 3/4 |
| EX-25A | 19/32 | 3/4 |
| EX-26A | 9/16 | 1 1/8 |
| EX-28 | 21/32 | 1 to 1 1/8 |
| EX-29 | 19/16 | 1 1/4 to 1 3/8 |
| EX-30 | 1 1/16 | 1 1/2 |

EXS-30 6 Piece Screw Extractor Set

Contents Include:

| Product Code | Product Code | Product Code |
|--------------|--------------|--------------|
| EX-21A | EX-22A | EX-25B |
| EX-21B | EX-24A | EX-25A |

EXS-10 10 Piece Screw Extractor Set

Contents Include:

| Product Code | Product Code | Product Code | Product Code | Product Code |
|--------------|--------------|--------------|--------------|--------------|
| EX-21A | EX-22A | EX-25B | EX-26A | EX-29 |
| EX-21B | EX-24A | EX-25A | EX-28 | EX-30 |

Features

- Designed for quick, easy removal of left or right-handed broken screws, bolts, studs or other threaded forms.
- Drill bit sizes to be used are stamped on each extractor.
- A hole is first drilled in the broken stem and the right size Williams extractor is then inserted.



EXTRACTORS/FEELER GAUGES

WILLIAMS®

FEELER GAUGE SET

Heavy Duty Machine Shop Tools

| Product Code | Description | Thickness | Number of Blades |
|--------------|-------------------------|--------------|------------------|
| GS-1 | Master Feeler Gauge Set | .0015 - 1/32 | 25 |

Features

- 25 blades 3-5/16" x 1/2" in the following thicknesses: .0015, .002, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .018, .020, .022, .024, .025, .028, .030, .032, and .035.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

| Product Code | Description | Thickness | Number of Blades |
|--------------|---------------------------|-------------|------------------|
| GS-2 | Standard Feeler Gauge Set | .002 - .015 | 10 |

Features

- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

| Product Code | Description | Thickness | Number of Blades |
|--------------|------------------------------|-------------|------------------|
| GS-3 | Combination Feeler Gauge Set | .002 - .025 | 22 |

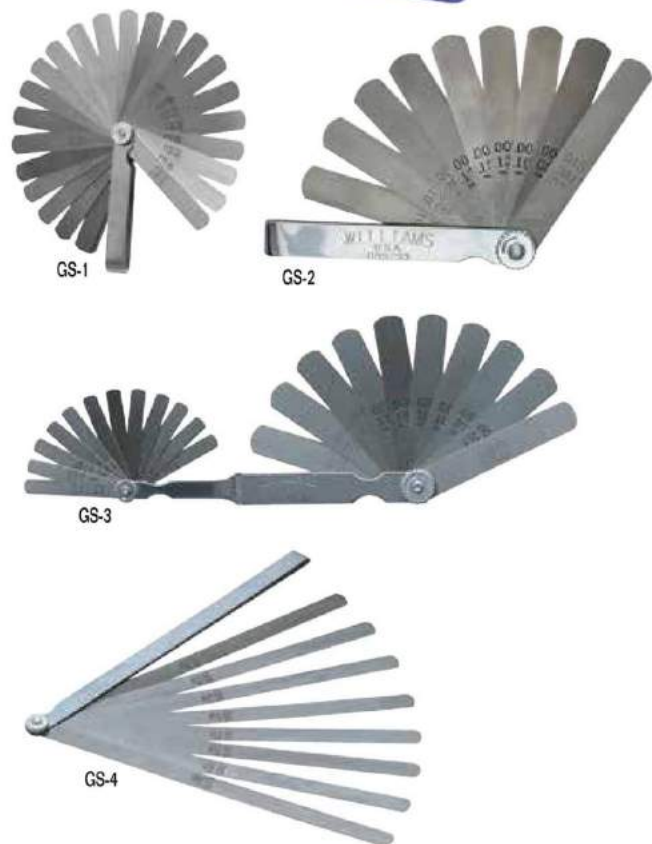
Features

- Contains total of 22 blades.
- 10 blades 3" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .013, .015.
- 12 blades 1-3/4" x 1/4" in the following thicknesses: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .025.
- Overall length 5".
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.

| Product Code | Description | Thickness | Number of Blades |
|--------------|-------------------------|-------------|------------------|
| GS-4 | Piston Feeler Gauge Set | .002 - .015 | 8 |

Features

- 8 blades 9" x 1/2" in the following thicknesses: .002, .003, .004, .005, .006, .008, .010, .015.
- Both decimal and equivalent metric size etched in each blade.
- Gauges supplied in holder with knurled lock-nut which allows the user to select the required blade size and lock it into position.



TOOLS FOR THE TRADES





396-LAP

LAP-KNIFE



MTT151



1446



2444



2446



2448



LAPLANDER FOLDING SAW

General Purpose Folding Saw

| Product Code | Blade Length (Inch) | Teeth Per Inch |
|--------------|---------------------|----------------|
| 396-LAP | 9 | 7 |

| Product Code | Description |
|--------------|----------------------------------|
| LAP-KNIFE | Folding saw & Multipurpose Knife |

Features

- A general purpose folding saw for cutting both green and dry wood, plastic, bone etc.
- Specially designed for wild-life enthusiasts, hunting and campers.
- XT toothing, 7TPI. Blade specially coated for rust protection and low friction.
- Two-component plastic handle for perfect grip, with leather strap.
- Safety lock, locked also when folded.



MULTI TOOL

Compact multipurpose tool

| Product Code | Tools Included |
|--------------|----------------|
| MTT151 | 18 |

Features

- Loaded with the most versatile features, this multi tool is ready for work.
- Complete with a holder with a loop to fit any belt.
- Tools include knife, screwdriver, file, saw, can opener, bottle opener, cutting pliers and more.



CARPENTER'S MULTI-PURPOSE KNIFE WITH HOLSTER

With Holster

| Product Code | Description | Length (Inches) |
|--------------|--|-----------------|
| 1446 | Multi Purpose Knife with Holster | 9 |
| 2444 | Carpenter's Multi-Purpose Knife with Holster | 9 |
| 2446 | Multi Purpose Knife with Holster | 9 |

Features

- Multi purpose knife with high quality steel and bi-component handle.
- Polished stainless steel blade.
- Two component handle for comfortable grip.
- Knife comes in plastic case with belt clip.
- Ideal for fishermen, hunters and for working in the garden.



WRECKING KNIFE

With Holster

| Product Code | Description | Length (Inches) |
|--------------|----------------|-----------------|
| 2448 | Wrecking Knife | 9 |

Features

- The wrecking chisel knife has been designed to be used like a regular chisel or when turned sideways a 4in wide knife.
- The blade is 4mm thick and made from hardened steel and can be used like a 4in chisel with a hammer on the back of the blade for added force.
- The handle has a curved guard to protect the knuckles while in use and can also be used with a hammer.
- The wrecking knife comes in handy for all those woodworking tasks.
- The knife comes complete with a holster with button clip.