Meeting the needs of automotive customers and MRO organizations, no toolbox is complete without an assortment of specialty items. Blackhawk™ by Proto® includes popular puller configurations, automotive feeler gauges; as well as engine, brake and wheel tools. A range of cleaning brushes, scrapers and hacksaws round out the category.
**TAPERED BEARING SPLINTER**

**Item #: ET-1207**
- Designed for the removal of bearings, thin-faced gears and cone-shaped gears.
- Beveled edge allows insertion behind pulleys, gears, or bearings where space limitations preclude the use of a standard jaw puller.
- Max Reach: 4-1/4”
- Weight (lbs): 5.07

**BODY DENT PULLER**

**Item #: ET-1710**
- Removes auto body creases and dents without disturbing upholstery, headliners and body hardware.
- Removing inner panels of dented area is also eliminated.
- Punch or drill hole in dented panel, insert self-threading screw or hook and with a few raps of the sliding hammer return metal to its original shape.
- Sturdy plastic handle and black oxide body.
- Overall Length (in): 13
- Weight (lbs): 3.72

**BATTERY TERMINAL & GENERATOR BEARING PULLER**

**Item #: ET-1071A**
- Designed to engage either below or on the the sides of the cable terminals and lift even badly corroded terminals with no harm to the battery case or posts.
- The swivel allows its use as a generator bearing puller and magneto gear puller.
- Weight (lbs): 0.64

**STEERING WHEEL PULLER**

**Item #: ET-1328A**
- Any steering wheel that is tapped to take cap screws can be easily removed with this Steering Wheel Puller, for removing flanges, pulleys, etc.
- For use over a hollow shaft, a nipple is supplied to provide a base for the screw.
- Also includes adapters for Buick® and Chrysler® products (not shown.)
- Weight (lbs): 2.25
6 BLADE NON-MAGNETIC FEELER GAUGE
Item #: MT-1020-1
- Contents: 6 Blades
- SAE (Metric) Sizes: .006” (.15 mm), .008” (.20 mm), .010” (.25 mm), .012” (.30 mm), .014” (.356 mm), .016” (.406 mm)

6 WIRE HIGH-ENERGY FEELER GAUGE
Item #: MT-1021A
- For large gap, high energy ignition systems.
- Contains 6 wire gauges and a gap setting tool.
- Wire ends angled for use with electrodes set below the shell.
- SAE (Metric) Sizes: .044” (1.12 mm), .045” (1.15 mm), .050” (1.25 mm), .054” (1.37 mm), .060” (1.52 mm), .080” (2.03 mm)

16 BLADE FEELER GAUGE
Item #: MT-1041
- Services domestic and foreign cars.
- Contents: 16, 1.75” x 0.25” Blades

REGULAR SPARK PLUG WIRE GAUGE
Item #: MT-1040-1
- Contents: 1 Electrode Bender, 8 Wire Gauges

15 BLADE GO-NO-GO GAUGE
Item #: MT-1043
- Contents: 15, 3.31” x 0.5” Blades
- Sizes: .006” (.152 mm) to .020” (.508 mm) (See chart for full details.)

<table>
<thead>
<tr>
<th>Size Reference Chart</th>
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<tbody>
<tr>
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<td>.012”-.014”</td>
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<td>.013”-.015”</td>
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22 BLADE GO-NO-GO IGNITION FEELER GAUGES
Item #: MT-1022
• Contents: 22, 3.31” x 0.5” Blades
• Sizes: .004” (.101 mm) to .025” (.635 mm)

25 BLADE ALL-PURPOSE FEELER GAUGE
Item #: MT-1049
• Contents: 25, 3.31” x 0.5” Blades

BRAKE SPRING PLIERS
Item #: PT-1262
• Comes with an adapter for lifting anchor pins.
• Length (in): 14
• Weight (lbs): 1.03

HOLDER RETRIEVER - FULLY FLEXIBLE
Item #: ZT-1180
• For starting a nut or screw in an inaccessible spot or retrieving parts that fall into hard-to-reach places.
• Length (in): 13-1/2
• Weight (lbs): 0.11

TELESCOPING MAGNET TOOL
Item #: ZT-1193
• Magnetic end for retrieving tools, parts or fasteners from hard-to-reach places.
• The end contains a powerful permanent magnet and is arranged on a pivot that can be rotated 120° right or left.
• The aluminum shaft with vinyl insulated handle provides a firm, secure grip.
• Extends from a telescoped 16-1/2” length to 27” fully extended.
• Length (in): 16-1/2 - 27
• Weight (lbs): 0.36

<table>
<thead>
<tr>
<th>SAE</th>
<th>Metric</th>
<th>SAE</th>
<th>Metric</th>
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FLEXIBLE MAGNET TOOL
Item #: ZT-1197
• Magnetic end for retrieving, flexible shaft for hard-to-reach places.
• Completely nickel plated.
• Flexible shaft.
• Length (in): 18
• Weight (lbs): 0.16

INSPECTION MIRROR
Item #: ST-1250
• For fast visual inspection of all hidden areas.
• The double ball joint permits easy viewing at 360°.
• Mirror telescopes to 14”.
• Specially designed non-rotating hex rod helps prevent mirror from swinging out of alignment.
• Mirror has a vinyl insulated handle.
• Length (in): 10-1/4 to 14-1/64
• Weight (lbs): 0.24

TUBING BENDER
Item #: ZT-1125
• Quickly and easily bends 3 sizes (3/16”, 1/4”, 5/16”) of steel or 3/8” copper tubes.
• Bends up to 180°.
• Nylon form prevents kinking.
• Length (in): 6
• Weight (lbs): 0.92

STUD EXTRACTOR
Item #: 49980
• Extractor will remove or install 1/4” to 3/4” stud sizes.
• Constructed to permit gripping wheel to lay flush on flat surfaces to engage stud at lowest point if required without damage to stud threads.
• Drive socket extends through entire housing to prevent binding.
• Weight (lbs): 1.11

SCREW EXTRACTOR SET
Item #: DT-55
• Hand forged to ensure correct angle and grip.
• Used to remove broken studs, set screws, pipe and alemite fittings.

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<tr>
<th>Contents</th>
<th>Bolt Diameter (in)</th>
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<tr>
<td>DT-2602</td>
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<td>3/8</td>
<td>3-3/8</td>
<td>0.11</td>
</tr>
</tbody>
</table>
CARBON CLEANING END BRUSH
Item #: ZT-1301
• Removes hard carbon deposits as well as rust and paint from metal surfaces.
• Use with 1/4” drill for general metal cleaning.
• Safety glasses and protective clothing are recommended while using this brush.
• Diameter Face: 0.75”
• Diameter Shank: 0.25”
• Max. Safe Free Speed: 20,000 RPM
• Weight (lbs): 0.18

HEAVY-DUTY KNOT END CLEANING BRUSH
Item #: ZT-1300
• Heavy gauge wire twisted into strong knot ends for tough use.
• Use with 1/4” drill or flexible shaft equipment.
• Safety glasses and protective clothing are recommended while using this brush.
• Diameter Face: 1.13”
• Diameter Shank: 0.25”
• Max. Safe Free Speed: 20,000 RPM
• Weight (lbs): 0.28

STEEL WIRE SCRATCH BRUSH
Item #: ZT-1310
• A sturdy brush with 19 rows, 3 rows wide.
• 1-3/16” long wires.
• Length (in): 14
• Weight (lbs): 0.33

CARBON SCRAPER
Item #: ZT-1111
• Length (in): 7-1/4
• Weight (lbs): 0.14

HEAVY-DUTY SCRATCH BRUSH WITH SCRAPER
Item #: ZT-1312
• Thick clusters of heavy gauge wire for heavy-duty use.
• 16 rows, 4 rows wide.
• 1-3/16” long wires, built-in steel scraper.
• Length (in): 10
• Weight (lbs): 0.38

DEGREASING SCRAPER
Item #: ZT-1112
• Length (in): 7-1/4
• Weight (lbs): 0.15

GASKET SCRAPER
Item #: ZT-1102
• Length (in): 11
• Weight (lbs): 0.28
**DELUXE ADJUSTABLE HACKSAW FRAME**

**Item #: FT-1204**
- Our finest heavy-duty steel hacksaw frame guards against breakage of high-speed blades.
- Impact-resistant pistol grip handle.
- Adjustable frame locks on 10” and 12” blades.
- Length (in): 17-1/2
- Weight (lbs): 1.39

**ADJUSTABLE HACKSAW FRAME**

**Item #: FT-1202**
- Handy adjustable hacksaw frame is ideal for general use.
- Adjustable frame locks on 10” and 12” blades.
- Length (in): 16-5/8
- Weight (lbs): 1.25

**10 PIECE HIGH SPEED HACKSAW BLADES**

**Item #: FT-1103**
- A molybdenum high speed steel blade of superb quality and durability.
- Will cut nickel, high carbon steel and other tough alloys.
- Width (in): 1/2
- Thickness (in): 1/32
- Teeth Per Inch: 18
- Length (in): 12-1/2
- Weight (lbs): 0.38

**10 PIECE HACKSAW BLADES**

**Item #: FT-1124**
- It is sometimes advisable to use these blades where cutting is to be done on surfaces that are not extremely hard and where the possibility of flexing occurs.
- Width (in): 1/2
- Thickness (in): 1/32
- Teeth Per Inch: 24
- Length (in): 12-1/2
- Weight (lbs): 0.40