



GSAT 34 136-3032W1-00067-9

**NEW**

**PRODUCTS**

# 2019

**OCT. 2019  
UPDATE**

# COLLECTION

[www.dayton.com.tw](http://www.dayton.com.tw)

## DTW-1962 DIGITAL TORQUE WRENCH



- 3/8" Dr., Fixed head, Ratchet 72 teeth, Length 400mm
- Setting range... 10 - 135 Nm
- Accuracy (20% - 100% of full scale)...  
CW  $\pm 2.0\%$  + 1 LSD, CCW  $\pm 3\%$  + 1 LSD
- Torque unit... Nm, Ft-lb, In-lb, Kgf-m, Kgf-cm
- A large LCD and a stable torque increment avoid misreading, which is often occurred with mechanical torque wrench.
- LED lights is flashing when closing the target torque.
- Handle is vibrating when reaching the target torque.
- Two tones of a loud buzzer are easily recognized when closing the target torque.
- Battery... AA  $\times 2$  (Not included)

## QA-2191 SCREEN SCALE TORQUE WRENCH



| Item no. | Dr. | Fine scale | Torque range (Nm) |
|----------|-----|------------|-------------------|
|----------|-----|------------|-------------------|

- |           |      |     |          |
|-----------|------|-----|----------|
| • QA-2191 | 1/4" | 0.1 | 5 - 25   |
| • QA-2192 | 3/8" | 0.1 | 5 - 25   |
| • QA-2193 | 3/8" | 0.5 | 10 - 50  |
| • QA-2194 | 3/8" | 0.5 | 20 - 100 |
| • QA-2195 | 1/2" | 0.5 | 20 - 100 |
| • QA-2196 | 1/2" | 1   | 40 - 200 |
| • QA-2197 | 1/2" | 2   | 60 - 340 |

- Features...
- Accuracy...  $\pm 4\%$  (CW)
- Click type, Clockwise & counterclockwise
- Teeth of gear... 72, Surface finish... Matted.
- Turn knob for accurate and easy adjusting the scale.
- Ergonomic handle and unique texture prevents fatigues.

## QA-2153 DIAL TORQUE WRENCH



| Item no. | Dr. | Torque range (Nm) | Item no. | Dr. | Torque range (Nm) |
|----------|-----|-------------------|----------|-----|-------------------|
|----------|-----|-------------------|----------|-----|-------------------|

- |           |      |          |           |      |            |
|-----------|------|----------|-----------|------|------------|
| • QA-2153 | 1/4" | 0.5 - 5  | • QA-2158 | 1/2" | 20 - 200   |
| • QA-2154 | 1/4" | 1 - 10   | • QA-2159 | 3/4" | 30 - 300   |
| • QA-2155 | 3/8" | 3 - 30   | • QA-2160 | 3/4" | 50 - 500   |
| • QA-2156 | 1/2" | 5 - 50   | • QA-2161 | 3/4" | 100 - 1000 |
| • QA-2157 | 1/2" | 10 - 100 |           |      |            |

- Features...
- Accuracy...  $\pm 3\%$  (CW)
- Ideal for torque measuring, wide range, high accuracy and lightweight.
- Large dial scale for easy reading.
- Dial torque wrench with a memory pointer to capture peak torque reading.
- Since the dial is movable, the pointer can be set to the desired torque first and complete tightening as the pointer indicates "0".



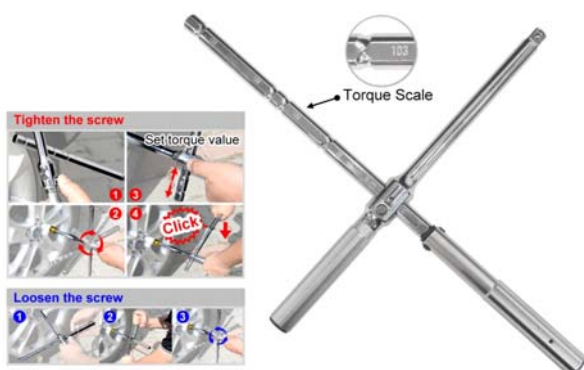
## DTA-1970 DIGITAL TORQUE ADAPTOR



| Item no. | Driver | Setting range | Length |
|----------|--------|---------------|--------|
| DTA-1970 | 3/8"   | 10-135Nm      | 75mm   |
| DTA-1971 | 3/8"   | 20-200Nm      | 75mm   |

- Accuracy (20% - 100% of full scale)...  
CW  $\pm 2.0\%$  + 1 LSD, CCW  $\pm 3\%$  + 1 LSD
- Torque unit... Nm, Ft-lb, In-lb, Kgf-m, Kgf-cm
- A large LCD and a stable torque increment avoid misreading.
- LED lights is flashing when closing the target torque.
- Two tones of a loud buzzer are easily recognized when closing the target torque.
- Battery... AAA  $\times 2$ (Not included)

## QA-2231 CROSS TIRE TORQUE WRENCH



- 1/2"DR., Torque value... 85, 103, 108, 138Nm
- Click type, Clockwise only.
- Accuracy... $\pm 4\%$
- Material...  
Torque bar... SAE1045, Driver bar... SAE4140
- Chrome plated body, Matted finish handle.

## QA-2476 TORQUE SCREWDRIVER



- 1/4" Hex driver.
- Torque range... 2 - 8 Nm
- Accuracy...  $\pm 6\%$ (CW)
- Turn knob for accurate and easy adjusting the scale.
- With secure button.

## QA-2467

### 90T SLIM RATCHET HANDLE



Item no.      Driver size

- QA-2467      1/4"
- QA-2468      3/8"
- QA-2469      1/2"
- CR-MO steel square driver, 90 teeth.
- CR-V steel body, Chrome plated.
- Slim design, Reversible.

## QA-2470

### EXTEND FLEXIBLE RATCHET HANDLE



Item no.      Driver size      Length

- QA-2470      1/4"      202 - 272 mm
- QA-2471      3/8"      258.8 - 360.8 mm
- QA-2472      1/2"      356 - 496 mm
- CR-MO steel square driver, 60 teeth, Flexible driver head.
- CR-V steel body, Matted finish, 2-Tone plastic grip.
- Lever type, Reversible, Quick release.
- 5-stage telescopic.

## QA-2473

### EXTEND RATCHET HANDLE



Item no.      Driver size      Length

- QA-2473      1/4"      182.6 - 243.6 mm
- QA-2474      3/8"      232.5 - 334.5 mm
- QA-2475      1/2"      315 - 448 mm
- CR-MO steel square driver, 72 teeth.
- CR-V steel body, Matted finish, 2-Tone plastic grip.
- Lever type, Reversible, Quick release.
- 5-stage telescopic.

## QA-2453

### 5PCS MINI RATCHET & BIT SET



- Contents...
- 1\_ Ratchet driver, Torque... 50Nm, Aluminum handle.
- 4\_ 1/4" × 30mm(L) Double end bit, S2 steel, Nickel finish, Size...  
Hex 2×3mm, Hex 5×6mm, Hex 4mm×PH#1, Star T20×T25

## QA-2454

### 5PCS MULTI-ANGLE MINI RATCHET & BIT SET



- Contents...
- 1\_ Multi-angle ratchet driver, Torque... 50Nm, Aluminum handle.
- 4\_ 1/4" × 30mm(L) Double end bit, S2 steel, Nickel finish, Size...  
Hex 2×3mm, Hex 5×6mm, Hex 4mm×PH#1, Star T20×T25

## QA-2201

## THREAD ROD WRENCH



| Item no. | Size | Total length |
|----------|------|--------------|
|----------|------|--------------|

- QA-2201 3/8" 147 mm
- QA-2202 1/2" 147 mm
- Grasp and turn thread rod firmly without crushing the threads.
- Because of both mechanisms of rotation, you can rotate both rotations without inserting and removing the wrench.
- Fast turning work is possible by bending the handle and suitable for narrow space.

## QA-2203

## THREAD ROD SOCKET



- Suitable for 3/8" thread rod, With 17mm hexagon head.
  - Grasp and turn thread rod firmly without crushing the threads.
  - Available to tighten or loosen threaded rods.
  - Hexagon head suitable for manual and electric drivers.
- ( Do not operate in hammer mode or impact drivers)

## QA-2459

## THREAD ROD SOCKET



| Item no. | Size | Driver | Hexagon head | Total length |
|----------|------|--------|--------------|--------------|
|----------|------|--------|--------------|--------------|

- QA-2459 1/4" ( 6 mm) 1/2" 19 mm 65 mm
  - QA-2460 5/16"( 8 mm) 1/2" 19 mm 65 mm
  - QA-2461 3/8" (10 mm) 1/2" 22 mm 65 mm
  - QA-2462 1/2" (12 mm) 1/2" 22 mm 65 mm
  - Grasp and turn thread rod firmly without crushing the threads.
  - Available to tighten or loosen threaded rods.
  - Hexagon head suitable for manual and electric drivers.
- ( Do not operate in hammer mode or impact drivers)

## QA-2204

## THREAD ROD SOCKET, WITH 1/4" HEX SHANK



| Item no. | Size | Total length |
|----------|------|--------------|
|----------|------|--------------|

- QA-2204 3/8" 68.5 mm
  - QA-2205 1/2" 68.5 mm
  - With 1/4" hex shank.
  - Grasp and turn thread rod firmly without crushing the threads.
  - Fastest tool available to tighten or loosen threaded rods.
  - Automatic locking cams.
  - Suitable for electric drivers.
- ( Do not operate in hammer mode or impact drivers)

## QA-2455

## THREAD ROD SOCKET, WITH 1/4" HEX SHANK



| Item no. | Size | Total length |
|----------|------|--------------|
|----------|------|--------------|

- QA-2455 1/4" ( 6 mm) 68.5 mm
  - QA-2456 5/16"( 8 mm) 68.5 mm
  - QA-2457 3/8" (10 mm) 68.5 mm
  - QA-2458 1/2" (12 mm) 68.5 mm
  - With 1/4" hex shank.
  - Grasp and turn thread rod firmly without crushing the threads.
  - Fastest tool available to tighten or loosen threaded rods.
  - Automatic locking cams.
  - Suitable for electric drivers.
- ( Do not operate in hammer mode or impact drivers)

## QA-2220

## 10PCS STUBBY RATCHET SCREWDRIVER SET



- Contents...
- 1\_ Stubby ratchet driver, 45 Teeth ratchet
- 1\_ 1/4" Dr.× 65mm quick release bit holder
- 8\_ Bits, 25mm(L), S2 steel, Size...  
PH#1, #2, #3, SL 4, 6mm, HEX 4, 5, 6mm

## QA-2221

## 10PCS T-HANDLE RATCHET SCREWDRIVER SET



- Contents...
- 1\_ T-HANDLE ratchet driver, 45 Teeth ratchet
- 1\_ 1/4" Dr.× 65mm quick release bit holder
- 8\_ Bits, 25mm(L), S2 steel, Size...  
PH#1, #2, #3, SL 4, 6mm, HEX 4, 5, 6mm

## QA-2222

## 8PCS RATCHET SCREWDRIVER SET



- Contents...
- 1\_ 2-WAY ratchet driver, 45 Teeth ratchet
- 1\_ 1/4" Dr.× 140mm quick release bit holder
- 6\_ Bits, 25mm(L), S2 steel, Size...  
PH#1, #2, SL 4, 6.5mm, POZI #1, #2

## QA-2223

## 58PCS RATCHET SCREWDRIVER SET



- Contents...
- 1\_ 2-WAY ratchet driver, 45 Teeth ratchet
- 1\_ 1/4" Dr.× 65mm Quick release bit holder
- 1\_ 1/4" Dr.× 140mm Quick release bit holder
- 40\_ Bits, 25mm(L), S2 steel, Size...  
PH#1, #2, #3, SL 3, 4, 4.5, 5, 6, 8mm, Pozi #1, #2, #3  
Hex 1.5, 2, 2.5, 3, 4, 5, 6, 8mm, Hex tamperproof 3, 4, 5, 6mm  
Star T8, T10, T15, T20, T25, T27, T30, T40  
Star tamperproof T8, T10, T15, T20, T25, T27, T30, T40
- 1\_ 1/4"× 1/4"× 25mm Socket adaptor
- 1\_ 1/4" Dr.× 65mm quick release bit holder
- 13\_ 1/4" Dr. Teeth socket, Size...  
4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm

## P-152T

## SAFETY WIRE TWISTING PLIERS



- | Item no.  | Size |
|---|------|
| • P-152T  | 6"   |
| • P-228T  | 9"   |
| • CR-V steel body, tapered nose with side cutter. |      |



## QA-2224

### 9PCS LONG BALL POINT HEX KEY WRENCH SET



- Torque value is the same as regular hex key wrench.
- Lock / Loosen rusted or rounded screws at appropriate angles. Does not damage the inner wall of the screw.
- Long type, S2 steel, Chamfer, Sanding chrome finish.
- Size... 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

## QA-2463

### 9PCS EXTRA LONG BALL POINT HEX KEY WRENCH SET



- Torque value is the same as regular hex key wrench.
- Lock / Loosen rusted or rounded screws at appropriate angles. Does not damage the inner wall of the screw.
- Extra long type, S2 steel, Chamfer, Sanding chrome finish.
- Size... 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm

## QA-2464

### 7PCS FOLDING HEX KEY WRENCH SET



- Torque value is the same as regular hex key wrench.
- Lock / Loosen rusted or rounded screws at appropriate angles. Does not damage the inner wall of the screw.
- S2 steel, Chamfer, Sanding chrome finish, PP + TPR frame.
- Size... 1.5, 2, 2.5, 3, 4, 5, 6mm

## QA-2465

### 7PCS FOLDING HEX KEY WRENCH SET



- Torque value is the same as regular hex key wrench.
- Lock / Loosen rusted or rounded screws at appropriate angles. Does not damage the inner wall of the screw.
- S2 steel, Chamfer, Sanding chrome finish, PP + TPR frame.
- Size... 2.5, 3, 4, 5, 6, 8, 10mm

## QA-2466

### 9PCS FOLDING HEX KEY WRENCH SET



- Torque value is the same as regular hex key wrench.
- Lock / Loosen rusted or rounded screws at appropriate angles. Does not damage the inner wall of the screw.
- S2 steel, Chamfer, Sanding chrome finish, PP + TPR frame.
- Size... 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4"

## HCV-071BMM 7PCS LONG BALL POINT HEX KEY WRENCH

- Long type
- CR-V steel, Chamfer, Sanding Nickel finish
- Size... 1.5, 2, 2.5, 3, 4, 5, 6mm



## HCV-9002-BJM 9PCS LONG BALL POINT HEX KEY WRENCH

- Long type
- CR-V steel, Chamfer, Sanding Nickel finish
- Size... 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## HCV-9002-BJL 9PCS EXTRA LONG BALL POINT HEX KEY WRENCH

- Extra long type
- CR-V steel, Chamfer, Sanding nickel finish
- Size... 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10mm



## HCV-822 8PCS FOLDING HEX KEY WRENCH SET

- CR-V steel, Sanding nickel finish, PP + TPR frame.
- Size..1.5, 2, 2.5, 3, 4, 5, 6, 8 mm



## B-1624CW 24PCS SHORT BITS SET

- 1/4" x 16mm(L) Bit, S2 steel, Sanding Nickel finish, Size... PH#0, #1, #2, #3, Slot 3, 4, 5, 6mm Hex 1.5, 2, 2.5, 3, 4, 5, 5.5, 6mm Tamper star... TH8, TH10, TH15, TH20, TH25, TH27, TH30, TH40
- Suitable for narrow space.





## SD-1404CW

## 9PCS MINI RATCHET & BIT SET



- Contents...
- 1\_ Ratchet driver, 15 teeth, 105mm(L)
- 8\_ 1/4" × 16mm(L) Bit, S2 steel, Sanding Nickel finish, Size... PH#1, #2, #3, Slot 6mm, Hex 3, 4, 5, 6mm
- Suitable for narrow space.

## QA-2424

## PVC PIPE CUTTER



- Cutting capacity... O.D. 35mm(1-3/8")
- SK5 blade, Aluminum Handle.
- Total length... 200mm(8")

## QA-2425

## PVC PIPE CUTTER



- Cutting capacity... O.D. 42mm(1-5/8")
- SK5 blade, Aluminum Handle.
- Total length... 190mm(7-1/2")

## CG-523-9

## PROFESSIONAL CAULKING GUN



- For 250 ml ( 10:1 ) dual cartridges.
- Thrust ratio... 26:1, Pitch... 3 mm, Pushing strength... 400 kgs
- Metal carriage, Side load, Steel trigger, Aluminum alloy handle.
- Heavy duty construction, Powerful handle drive, Laminated gripper plates.
- With adjustment device compensate trigger wasted motion.

## CG-504-15

## PROFESSIONAL CAULKING GUN



- 15" (375 mm) aluminum barrel.
- For 310ml / 400ml silicone cartridge, 400ml / 600ml sausage pack.
- Thrust ratio... 26:1, Pitch... 3 mm
- Aluminum barrel, Steel trigger, Aluminum alloy handle.
- Heavy duty construction, Powerful handle drive, Laminated gripper plates.
- Swivel handle, Ladder hook pull design.
- With attachments of push disk and tube nozzle for dispensing sachet pack sealant.

**GPR-2167**

## **AUTO-ADJUST LOCKING PLIERS, STRAIGHT JAW**



- Size... 10"(250mm)
- One-handed use...  
The tool automatically adjusts from thick parts to thin parts and from thin to thick parts.
- Variable adjustment of jaw pressure...  
Allows automatic adjusting of the pliers to any size when applying a constant jaw pressure.
- CR-V steel jaw, Carbon steel non-slip checkered handle.

**QA-2049**

## **ADJUSTABLE CURVE JAW WITH SWIVEL PAD LOCKING PLIERS**



- French Type
- Length... 10 5/8" (270mm)
- Max. Jaw capacity... 2 7/8" (73mm)
- Jaw/ Handle... CR-MO steel, Heat-treated, Chrome plated & black finish.
- Serrated execution.
- Chrome finished and corrosion resistant.
- Four positions slip joint system maximum capacity at 73mm.
- The big adjustable knob allows quick and easy movement to different positions, Easily operated with one hand without the need of force to release the locking mechanism.

**QA-2046**

## **W TYPE AXIAL WELDING PLIERS**



- W Type, Quick push-button release lever.
- Length... 8" (205mm)
- Max. Jaw capacity... 2/5" (10mm)
- Jaw material... CR-MO steel, Black finish.
- Handle material... Steel, Nickel plated.
- This W type welding plier allows four consecutive spot welds without moving the tool.
- Unique clamping makes welding easier and safer.

**QA-2037**

## **LOCKING PANEL CLAMPS**



- American Type
- Length... 9" (230mm)
- Max. Jaw capacity... 1/2" (13mm)
- Jaw/ Handle material... CR-MO steel, Heat-treated, Nickel plated.
- Provides quick clamping and alignment of auto body panels; bottom jaw slides in a straight line motion.

**GPR-906**

## **PISTOL GRIP PLIERS**



- Size... 6" (158 mm)
- Jaw and Handle... CR-MO steel, Body with heat treatment
- Pliers and locking pliers in one.
- Multiple applications... jaw with straight and curved profiles.
- Angled design allows more force in twisting applications, helps wrist straight, reducing general fatigue.
- Helpful in limited space.

**SR-2184**

## 7 1/4" PROFESSIONAL BY-PASS PRUNING SHEAR



- Product size... 7 1/4"(185mm), Cutting capacity... Ø18mm
- Upper blade... High carbon SK-5 steel, Non-stick PTFE coated blade.
- Lower blade... Middle carbon S50C steel, Chrome plated.
- Drop forged aluminum handle with anodized finish & PVC grips.
- Lightweight forged aluminum construction with rubber shock absorber and cushion to protect the wrist, toothed center-nut for aligning the cutting.

**SR-2185**

## 7 1/2" PROFESSIONAL TRIMMER PRUNING SHEAR



- Product size... 7 1/2"(190mm) , Blade length... 55mm , Cutting capacity... Ø14mm
- Blade... High carbon SK-5 steel, Hard chrome plated.
- Drop forged aluminum handle with anodized finish & PVC grips.
- Lightweight forged aluminum construction with rubber shock absorber and cushion to protect the wrist, toothed center-nut for aligning the cutting.

**SR-2186**

## 8" PROFESSIONAL TRIMMER PRUNING SHEAR



- Product size... 8"(200mm) , Blade length... 65mm , Cutting capacity... Ø14mm
- Blade... High carbon SK-5 steel, Hard chrome plated.
- Drop forged aluminum handle with anodized finish & PVC grips.
- Lightweight forged aluminum construction with rubber shock absorber and cushion to protect the wrist, toothed center-nut for aligning the cutting.

**QA-2450**

## 2 IN 1 EYELET PLIERS, 3/16" HOLE DIAMETER



- Hole punch... 3/16" hole diameter, with adjustable inset guide.
- Not applicable to films over 2.0mm, and films below 0.1mm.
- Ideal for use on leather, shoes, canvas, paper, cardstock and much more.
- With 100pcs eyelets.

**QA-2451**

## 2 IN 1 EYELET PLIERS, 7MM HOLE DIAMETER



- Hole punch... 7mm hole diameter, with adjustable inset guide.
- Not applicable to films over 2.0mm, and films below 0.1mm.
- Ideal for use on leather, shoes, canvas, paper, cardstock and much more.
- With 100pcs eyelets.



## QA-2151

### LEATHER PUNCH



- Punch size... 2.0, 2.5, 3.0, 3.5, 4.0, 4.5mm
- Easy punch, Labor-saving.
- Comfortable ergonomic design.

## QA-2426

### PISTOL GRIP GREASE GUN



| Item no. | Cartridge loading | Bulk loading |
|----------|-------------------|--------------|
| QA-2426  | 14 oz.            | 400 c.c.     |
| QA-2427  | 16 oz.            | 500 c.c.     |

- Grip type, handle with buckle.
- With 1pc Straight nozzle 170mm with chuck
- Working pressure... 4500 PSI
- Max. pressure... 8000 PSI
- Loading ways... Cartridge, Dispenser, Bulk
- Delivers minimum... 1 oz. / 40 strokes

## QA-2428

### TWO-WAY PROFESSIONAL GREASE GUN



| Item no. | Cartridge loading | Bulk loading |
|----------|-------------------|--------------|
| QA-2428  | 14 oz.            | 400 c.c.     |
| QA-2429  | 16 oz.            | 500 c.c.     |

- Grip type, handle with buckle.
- With 1pc flexible nylon hose 18", attached with wire and chuck
- Working pressure... 4500 PSI
- One-hand operation max. pressure... 8000 PSI
- Two-hand operation max. pressure... 10000 PSI
- Loading ways... Cartridge, Dispenser, Bulk
- Delivers minimum... 1 oz. / 40 strokes
- It is ideal for combining one-hand operation and two-hand operation in one gun.

## QA-2430

### OIL SUCTION GUN 1000 C.C.



- Capacity... 1000 CC
- With 1pc metallic bent spout, 9"(240mm)
- With 1pc flexible hose, 11"(280mm)
- Provides a fast, clean method of removing and adding transmission oil, gear oil, and vehicle fluids.

## QA-2431

### DUAL OIL SUCTION GUN 500 C.C.



- Capacity... 500 CC
- With 2pcs flexible hose, 47"(120cm)
- With light weight aluminum tube construction.
- Provides a fast, clean method of removing and adding transmission oil, gear oil, and vehicle fluids.

**QA-2225**

## TRAILER WINCH



- Capacity... 600 lbs, Ratio... 3:1
- One way pawl, Free spool in " off " position.
- Zinc finish.

**QA-2226**

## TRAILER WINCH



- Capacity... 850 lbs, Ratio... 3:1
- One way pawl, Free spool in " off " position.
- Zinc finish.

**QA-2227**

## TRAILER WINCH



- Capacity... 1000 lbs, Ratio... 4:1
- One way pawl, Free spool in " off " position.
- Zinc finish.

**QA-2229**

## TRAILER WINCH



- Capacity... 2000 lbs, Ratio... 4:1 / 10:1
- Convertible dual speed.
- Two way pawl, Free spool in " center " position.
- Zinc finish.

**QA-2230**

## TRAILER WINCH



- Capacity... 2500 lbs, Ratio... 5:1 / 12:1
- Convertible dual speed.
- With hand brake assembly.
- Two way pawl, Free spool in " center " position.
- Zinc finish.

**QA-2436**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... 90(W) × 150(L)mm
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2437**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... 90(W) × 150(L)mm
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2438**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... 90(W) × 150(L)mm
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2439**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... 68(W) × 123(L)mm
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2440**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... 74(W) × 120(L)mm
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.



**QA-2441**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... 70(W) × 135(L)mm
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2442**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... Dia. 5"
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2443**

## HAND SANDING BLOCK



- Made of PU foam, SHORE-C 20° ± 5°, feel soft.
- Size... Dia. 6"
- With hook and loop fastener backing.
- Comfortable dense foam construction, ergonomically designed & very light weight.
- Great for wood sanding, automotive sanding, buffing and hand polishing.

**QA-2444**

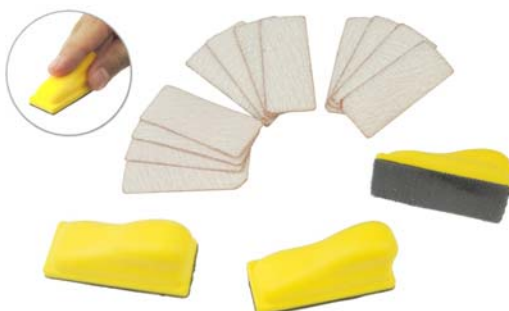
## HAND SANDING BLOCK



- Made of PU foam, Size... 20(W) × 50(L)mm
- With hook and loop fastener backing.
- The ability to move easily in tight spaces and corners is ideal for fine polishing needs.
- Comfortable grip that fits the shape of the finger.

**QA-2445**

## 15PCS HAND SANDING BLOCK SET



- Made of PU foam, Size... 20(W) × 50(L)mm
- With hook and loop fastener backing.
- The ability to move easily in tight spaces and corners is ideal for fine polishing needs.
- Comfortable grip that fits the shape of the finger.
- Contents...
  - 3\_ Hand sanding block.
  - 4\_ Grit #240 Abrasive paper
  - 4\_ Grit #400 Abrasive paper
  - 4\_ Grit #600 Abrasive paper

**QA-2448**

## PROFESSIONAL MODULAR PLUG CRIMPING TOOL



- Crimps and cuts open-pass RJ45 modular plug and works on industry standard plug.
- Length... 8.74"(222mm)
- Exposed wire ends are cut and trimmed off automatically with flat finish neatly while crimped.
- Ratchet mechanism provides less hand force perfect solution for CAT5e/6 solid or stranded cables.
- Ergonomic high leverage with dual-color grip handle enhances comfort and consistent terminations.
- Clear plug-in position ensures every operation.

**QA-2449**

## PROFESSIONAL MODULAR PLUG CRIMPING TOOL



- Crimps and cuts open-pass RJ45 modular plug and works on industry standard plug.
- Strips/cuts round cables.
- Length... 7.5"(190 ± 3mm)
- Exposed wire ends are cut and trimmed off automatically with flat finish neatly while crimped.
- Ratchet mechanism provides less hand force perfect solution for CAT5e/6 solid or stranded cables.
- Ergonomic with dual-color grip handle enhances comfort and consistent terminations.

**QA-2477**

## OPEN-PASS RJ45 MODULAR PLUG CRIMPER



- Crimps and cuts open-pass RJ45 modular plug.
- Exposed wire ends are automatically trimmed off with flat and neat surface after crimped.
- Cuts and strips CAT6, CAT5e round cables.
- Handle lock provides better safety in closed position and easy storage.
- The parallel crimping action delivers even pressure ensuring precise termination.
- Compact fits hand well and function consistently meets performance requirement.
- Dual- color grip handle enhances comfort.

**QA-2478**

## COMPACT MODULAR PLUG CRIMPER



- All- in- one designed for use terminating cable in data application.
- Crimps 8 position RJ45 modular plug.
- Cuts and strips CAT6, CAT5e round cables.
- Handle lock provides better safety in closed position and easy storage.
- The parallel crimping action delivers even pressure ensuring precise termination.
- Compact fits hand well and function consistently meets performance requirement.
- Dual-color grip handle enhances comfort.

**QA-2212**

## PROFESSIONAL COMPRESSION CRIMPING TOOL



- Crimps with a wide range of connector types and different lengths.
- Uses for RG59/ 6/ 7/ 11, F/ MINI F/ BNC/ RCA connector and RG7/11, F connector.
- Helps to install cable connector firmly and easily.
- Compression length can be adjusted.
- After-compression distance...  
F type RG59/6... 15.5 - 23 mm  
F type RG11... 31 mm  
RCA type RG59/6... 28 - 35.5 mm  
BNC type RG59/6... 27 - 34.5 mm

**QA-2206**

## HEAVY DUTY RATCHET CABLE CUTTER



- Total Length... 255mm
- Blade material... AISI 4340, Frame... Middle carbon steel.
- Cuts up to 500 MCM (240mm<sup>2</sup>) stranded copper cable.
- Cuts up to 500 MCM (240mm<sup>2</sup>) aluminum power cable.
- Cuts up to max. Ø32mm(1 3/16") telco cable.

**QA-2207**

## HEAVY DUTY RATCHET CABLE CUTTER



- Total Length... 275mm
- Blade material... AISI 4340, Frame... Middle carbon steel.
- Cuts up to 600 MCM (300mm<sup>2</sup>) stranded copper cable.
- Cuts up to 750 MCM (400mm<sup>2</sup>) aluminum power cable.
- Cuts up to max. Ø53mm(2 2/18") telco cable.

**QA-2208**

## HEAVY DUTY RATCHET CABLE CUTTER



- Total Length... 260mm
- Blade material... AISI 4340, Frame... Middle carbon steel.
- Cuts up to 600 MCM (300mm<sup>2</sup>) stranded copper cable.
- Cuts up to 750 MCM (400mm<sup>2</sup>) aluminum power cable.
- Max. capacity... Ø45mm(1 3/4")
- New design out shape & construction, Durable, Compact.
- With low hand force for easy and efficient operation.

**QA-2217**

## VDE 1000V INSULATED CABLE CUTTER



- Insulation 1000V AC, VDE-tested and with GS mark.
- Insulation is according DIN 60900 manufactured and 100% VDE tested.
- Body material... CR-MO 4140 steel, Polish finish.
- Body HRC 40° - 48°, Cutting edge HRC 58° - 62°
- VDE standard two color handle.

| Item no. | Size   | Cutting capacity   |
|----------|--------|--------------------|
| QA-2217  | 160 mm | 22 mm <sup>2</sup> |
| QA-2218  | 200 mm | 38 mm <sup>2</sup> |



**QA-2219**

## VDE 1000V INSULATED WATER PUMP PLIERS



- Insulation 1000V AC, VDE-tested and with GS mark.
- Insulation is according DIN 60900 manufactured and 100% VDE tested.
- Heat treated chrome vanadium steel forged water pump pliers.
- Seven positions box joint adjustable head.
- Size... 240 mm in length, Jaw open max. 36 mm
- VDE standard two color handle.



## SR-2152

## ANGLED MULTI-FUNCTION ELECTRICIAN SCISSORS



- Angled design, Length 178mm (7")
- Stainless steel 420J2 blade, Serrated blade for gripping materials, Cutting edge HRC 56°, Nylon with fiberglass + TPV handle.
- For shearing...
  - Soft cable... Up to 70mm<sup>2</sup>,
  - Soft metal wire... Up to 3mm<sup>2</sup>
  - Terminal crimper... 0.5 to 6mm<sup>2</sup> & 10 to 16mm<sup>2</sup>(AWG 22 - 14 )
  - Bronze sheet... Thickness Up to 0.5mm
  - Aluminum sheet... Thickness Up to 1mm
  - Plastic sheet... Thickness Up to 3mm
  - Wood Sticks

## QA-2423.

## MINI CABLE CUTTER



- Full length... 128mm (5")
- Cutting capacity... Ø8mm (5/16")
- Blade... Stainless steel, HRC 50° - 54° , Handles... PP
- For shearing...
  - Soft cable, Wood sticks, Dowel rods, Animal nail, Rope, Cord

## QA-1940

## CABLE CUTTER



- For cutting cable RG6, RG58, RG59 and with steel center conductor, Max.16 mm<sup>2</sup> cable.
- Lightweight, cost-effective cable cutter.
- Manufactured by using fine blanking technology with grinding provides precise operation and durability.
- Body material... Middle carbon steel with hardening.
- Ergonomically designed PVC handle.
- Total length... 6.3" (165mm)

## QA-2211

## ADJUSTABLE WIRE STRIPPER AND CUTTER



- Length... 5" (127mm)
- Stripping wire size... 10 - 30 AWG(2.6 - 0.25mm)
- Body material... Middle carbon steel with hardening.
- Precision-ground "V" notch blade for superior stripping results.
- An adjustable blade stop easily strips and cuts 10 - 30 AWG wire.
- Scored marks on the blade for measuring wire length.
- A looping and bending hole for solid wire.
- Spring loaded with a locking latch.

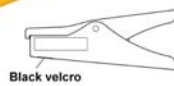
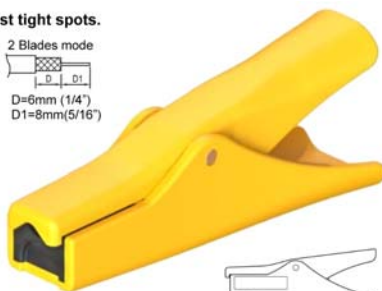
## QA-2146

## COAXIAL CABLE STRIPPER

Works in the most tight spots.



2 Blades mode  
D=6mm (1/4")  
D1=8mm(5/16")



- Strips coaxial cable of the stub end in MDU box or wall outlet. Rotate like a screwdriver for stripping.
- 2 Blade type, Strips coaxial cables RG59 / 6  
Outer jacket thickness 0.85mm, Stripping length 6mm(1/4")
- ABS body, SK5 blade, Length 4.3"(109mm), Interchangeable cassette.Black velcro for folding back the braided shield.

**CT-1791**

## COAXIAL CABLE WRENCH STRIPPER



- 2 Blade type, Strips coaxial cables RG59 / 6 / 7 / 11
- Equipped with a wrench for 7/16" F connector.
- Stripping length... 6.35mm(0.25"), Interchangeable cassette
- POM body, SK5 blade, Length... 4.25"(108mm)
- Black velcro for folding back the braided shield.

**CT-1938**

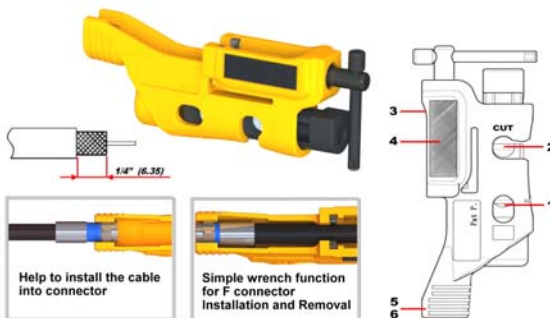
## COAXIAL CABLE STRIPPER & CUTTER



- Designed to strip & cut RG59/6 coaxial cables for CATV.
- The stripping length is preset to 1/4" (6.35mm)
- Rotate to cut the cable.
- Black Velcro for folding back the braided shield.
- ABS body, Length... 111mm(4.37")

**CT-1693**

## MULTI - PURPOSE 6 IN 1 TOOL



- Length... 4.9" (126mm)
- The stripping length is preset to 1/4" (6.35mm)
- Material...POM Body, SK-5 Blade
- 2-blade model designed for professional and home use.
- Function...
  1. Stripping for RG59/6/6Q cable.
  2. Cutting. (Rotate to cut the cable )
  3. Compression crimping for F connector.
  4. Black Velcro to help for folding back the braid shield of cable.
  5. Help to install the cable into connector.
  6. Simple wrench function for F connector installation and removal.

**QA-2149**

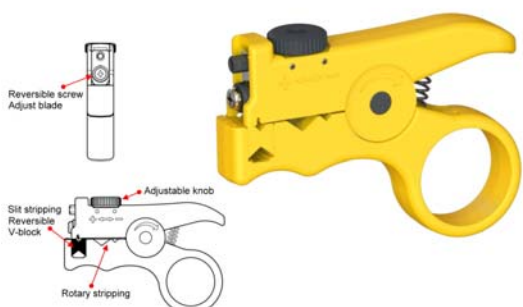
## FIBER DUCT TUBE CUTTER



- Cuts fiber ducts up to Ø25mm in the fiber blowing industry for most popular sizes of tubes.
- Designed with 3 positions of duct holders at 0 to 8mm, 9 to 18mm, 19 to 25mm for accurate cutting operation.
- Handle lock provides better safety in the closed position.
- Cutting blade is replaceable.
- ABS body, SK5 blade, Length 8.46"(215mm)

**QA-2147**

## SLIT AND RING FIBER OPTIC STRIPPER



- ABS body, SK5 blade, Length... 2.87"(72.9mm)
- Strips fiber optic cables from Ø1.2 to Ø6.4 mm.
- Two V-blocks (Ø1.2 to Ø3.2 mm, Ø3.2 to Ø6.4 mm)
- Adjustable slit blade and ring blade.
- Reversible V block that improves slitting performance.

**QA-2148**

## FIBER MICRO DUCT CUTTER



- Cuts microduct tube up to Ø10mm in fiber blowing industry.
- Designed with a 90° & 180° rotating head for better cutting operation. (end cut and side cut)
- Lock mechanism provides better safety in the closed position.
- Middle carbon steel frame, PVC grip, SK5 blade.
- Length... 6.85"(174mm)



**FOS-01**

## 6" FIBER OPTICAL STRIPPER



- Material... Middle carbon steel(50C), HRC 46°-50°
- Strip outer jacket insulation
- Strip 250 µm buffer coating
- Strip 125 µm glass fiber

**QA-2066**

## FIBER OPTIC CABLE STRIPPER



- Three locating positions for...  
2mm outer jacket, 900µm buffer insulation and  
250µm buffer(acrylate coating).

**QA-2068**

## FIBER OPTIC CRIMPING TOOL



- For ST, SC Fiber Optic Connector ( Oval size )
- Specifications...  
.137"/.190"/.137" (3.48/ 4.83/ 3.48mm)
- Length... 8.3" (210 mm)

**QA-2069**

## FIBER OPTIC CRIMPING TOOL



- For fiber optic SMA (Oval type), Size...  
.042"/.068"/.133"/.162"/.195"  
( 1.07/ 1.73/ 3.38/ 4.11/ 4.95 mm)
- Length... 8.7" (220mm)
- Hardened middle-carbon steel body with black oxide finish.



## QA-2071

### PORTABLE DIGITAL MULTI-METER



- This multi-meter is designed for easy-carry with pocket-size and available for one-hand operation.
- Auto polarity and unit display with LCD.
- Diode and continuity measurement.
- AC / DC current measurement.
- AC / DC voltage measurement... 0 - 600V
- Non-contact voltage sensing... 80 - 600V AC
- Resistance measurement... 0 - 20MΩ
- Auto Shut Down.
- Illumination.
- Data Hold.
- Battery (Not included)... 3V (AAA 1.5V×2)

## QA-2213

### TORQUE WRENCH FOR F CONNECTOR



| Item no. | Torque                          |
|----------|---------------------------------|
| QA-2213  | 20 lbf-in / 23 Kgf-cm / 2.26 Nm |
| QA-2214  | 30 lbf-in / 35 Kgf-cm / 3.4 Nm  |

- Hex size... 7/16" for use with RG6/59 F connectors.
- Length... 6.4" (162.6mm)
- Designed with a full size open end wrench for F connector.
- Works with audible click when connection has been properly achieved.
- Angled head and long shaft for better access in confined space.
- TPR Soft-grip handle provides better comfort.

## QA-2215

### TORQUE WRENCH FOR F CONNECTOR



| Item no. | Torque                          |
|----------|---------------------------------|
| QA-2215  | 20 lbf-in / 23 Kgf-cm / 2.26 Nm |
| QA-2216  | 30 lbf-in / 35 Kgf-cm / 3.4 Nm  |

- Hex size... 9/16" for use with RG7/11 F connectors.
- Length... 6.64" (168.7mm)
- Designed with a full size open end wrench for F connector.
- Works with audible click when connection has been properly achieved.
- Angled head and long shaft for better access in confined space.
- TPR Soft-grip handle provides better comfort.

## QA-2209

### CABLE TIE FASTEN TOOL



- For cable tie thickness up to 1.6mm, Width from 2.5 to 4.8mm.
- Fasten and automatic cut ties with adjustable 4 levels bundling pressure.
- SK5 blade, Aluminum alloy body.
- Tension strength...(For reference only)
  - Level 1... 6.1kgf, Level 2... 9.0kgf
  - Level 3... 11.5kgf, Level 4... 15.8kgf

## QA-2210

### CABLE TIE FASTEN TOOL



- For cable tie thickness up to 1.6mm, Width from 2.5 to 4.8mm.
- Fasten and automatic cut ties with adjustable 4 levels bundling pressure.
- Middle carbon steel blade, Aluminum alloy body.
- Tension strength...(For reference only)
  - Level 0... 3.3kgf, Level 1... 5.4kgf
  - Level 2... 8.7kgf, Level 3... 11.6kgf

## BE-2526K

## BASIC BRAKE OIL EXTRACTOR KIT



- Pneumatic extractor non-spark.
- A lightweight, easy carry & operation.
- One man in same step operate.
- 1 meter silicon hose with universal rubber bleed nipple adaptor.
- Fixing valve & safety cup for automatic cut-off extracting.
- Max. Capacity... 2000cc
- Working pressure(PSI)... 40 to 170
- Air consumption (CFM)... 2
- Temperature range... -3°F to 140°F
- Air inlet... 1/4"

## QA-2432

## STICK-ON WHEEL WEIGHT TOOL



- Easy and quick to remove stick-on wheel balancing weights.
- The plastic cover on the jaws and hammer can protect the alloy rims from damanging or scratching.
- Adjustable jaws for different types of wheel weight.

## QA-2433

## STUD CLEANING TOOL



- Faster and easier to clean studs.
- Only need one tool to fit different sizes of brush.
- Quick change burshes.
- Come with a 1/2" drive adapter and six brushes.
- Brush size... 12mm ( 7/16" ), 13mm ( 1/2" ), 14mm ( 9/16" ), 16mm ( 5/8" ), 22mm ( 7/8" ), 28mm ( 1-1/8" )

## QA-2434

## STUD CLEANING & HUB GRINDING TOOLS



- Faster and easier to clean wheel studs and wheel hub.
- Quick change brushes and grinding pads.
- Only need one tool to fit different sizes of brush and grinding pad.
- Can be operated by cordless drill or impact wrench.
- Brush size... 13mm, 18mm ( Do not exceed 1,800 rpm )
- Hub grinding pad... Ø23mm × 3pcs, Ø15mm × 2pcs ( Do not exceed 8,000 rpm )

## QA-2435

## STUD CLEANING & HUB GRINDING TOOLS



- Faster and easier to clean wheel studs and wheel hub.
- Quick change brushes and grinding pads.
- Only need one tool to fit different sizes of brush and grinding pad.
- Can be operated by cordless drill or impact wrench.
- Brush size... 14mm, 22mm ( Do not exceed 1,800 rpm )
- Hub grinding pad... Ø23mm × 3pcs, Ø15mm × 2pcs ( Do not exceed 8,000 rpm )

## QA-2265

### 12PCS FLARING TOOL SET



- The tool works on cupro-nickel and steel pipes as well as coated steel piping. Can be used in-situ.
- The set incorporates the tools to flare 4.75mm, 5mm and 6mm pipes by using the correctly sized die and punches.
- Contenes...
  - 2\_ SAE convex flare punch, Size... 4.75(3/16") & 5mm, 6mm(1/4")
  - 1\_ SAE double flare punch, Size... 4.75(3/16") & 5mm & 6mm(1/4")
  - 2\_ DIN convex flare punch, Size... 4.75(3/16") & 5mm, 6mm(1/4")
  - 3\_ Die, Size... 4.75, 5, 6mm, 1\_ Force screw, 1\_ Main part
  - 1\_ Handle, 1\_ 5mm Hex key wrench

## QA-2266

### 13PCS FLARING TOOL SET



- The tool works on Cupro-Nickel and Steel pipes as well as coated steel piping. Can be used in-situ.
- The set incorporates the tools to flare 4.75mm, 5mm and 6mm pipes by using the correctly sized die and punches.
- Contenes...
  - 1\_ Ratchet wrench
  - 2\_ SAE convex flare punch, Size... 4.75(3/16") & 5mm, 6mm(1/4")
  - 1\_ SAE double flare punch, Size... 4.75(3/16") & 5mm & 6mm(1/4")
  - 2\_ DIN convex flare punch, Size... 4.75(3/16") & 5mm, 6mm(1/4")
  - 3\_ Die, Size... 4.75, 5, 6mm, 1\_ Force screw, 1\_ Main part
  - 1\_ Handle, 1\_ 5mm Hex key wrench

## QA-2263

### TUBING BENDER PLIERS



- Bends both 3/16" and 1/4" brake lines without kinking or flattening, especially in tight spots.
- Bends most other types of 3/16" and 1/4" O.D. tubing.
- Unique head design bends tubing without collapsing the tube.
- Won't mark tube surface.
- The handles are more than 3-1/4" apart for proper leverage when handling even steel tubing.
- Overall length... 230mm

## QA-2264

### SMALL FASTENER REMOVER



- Useful for removing brake rotor screws, Works faster than hand impact tools.
- A 3/4" open end wrench can be used to turn the socket while impacting the fastener.
- A locking pin in the driver keeps the bit holder in place on the square drive for safe operation.
- The bit holder can be removed from the driver by depressing the pin.
- Contents...
  - 1\_ Impact driver
  - 5\_ 5/16" Hex impact bits, Size... PH1, PH2, PH3, PH4, Straight slot.

## QA-2267

### TRUCK BRAKE CAGE BOLT SOCKET



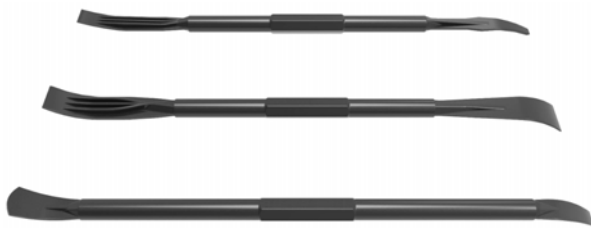
| Item no. | Driver | Size    |
|----------|--------|---------|
| QA-2267  | 1/2"   | 3/4"    |
| QA-2268  | 1/2"   | 15/16"  |
| QA-2269  | 1/2"   | 1-1/16" |

- Can be used with impact wrenches.
- Extra deep socket loosens the cage bolt to unlock air brakes on trucks.
- Can removes the air brake booster for replacement.



**QA-2360**

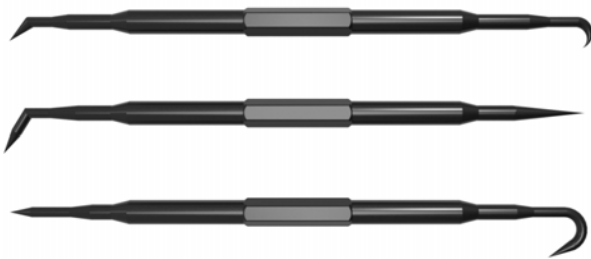
## 3PCS LIGHT DUTY PRY BAR SET



- Material... Composite
- Suitable for a variety of uses on phones, tablets and other electronic devices.
- Can also be used to help remove trim clips, oil seals, grommets etc on motor vehicles.
- Length... 185mm, Double ended pry bar, Width... 7.5 × 3.6mm, 10.2 × 12.5mm, 10.1 × 7.3mm

**QA-2361**

## 3PCS NON -MARRING PICK SET



- Overall Length... 165mm
- Strong glass reinforced nylon offers great blend of flex ibility and strength.
- Won't be rust or oxidize like metal picks and probes.
- Composite tips provide unique geometries to access difficult to reach access panels, removing/manipulating O-rings, small seals/gaskets, clips, cleaning air vent assemblies, cleaning tight gaps in interior components, handling delicate wiring, composite electrical connectors, etc.
- This non-marring composite material will not scratch soft metals, paint or composites.
- Perfect tools for interior/exterior automotive detailing.

**QA-2178**

## MINI HOSE PINCH-OFF PLIERS



- Length... 5"(122mm), Max. jaw clamping width... 20mm
- Clamping mechanism provides positive clamping without springs or adjustments.
- High carbon steel, Heat treatment construction.
- For pinching off flexible fuel lines, brake lines, and vacuum hoses in cars, motorcycles, and engines.

**QA-2179**

## HOSE PINCH-OFF PLIERS



- Length... 9"(228mm), Max. jaw clamping width... 35mm
- Clamping mechanism provides positive clamping without springs or adjustments.
- High carbon steel, Heat treatment construction.
- For pinching off flexible fuel lines, brake lines, and vacuum hoses in cars, motorcycles, and engines.

**QA-2180**

## HEAVY-DUTY HOSE PINCH-OFF PLIERS



- Length... 13"(330mm), Max. jaw clamping width... 74mm
- Clamping mechanism provides positive clamping without springs or adjustments.
- High carbon steel, Heat treatment construction.
- For pinching off flexible fuel lines, brake lines, and vacuum hoses in cars, motorcycles, and engines.

**QA-2190**

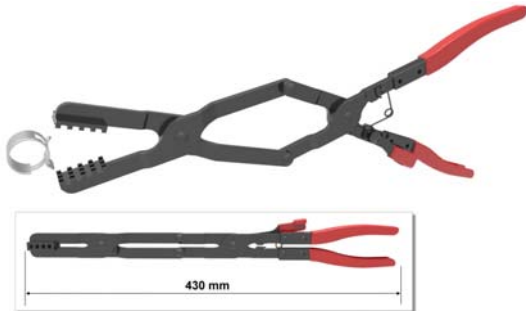
## **BULB PLIERS**



- Works on a vast array of miniature style bulbs commonly used in automobiles, boats, airplanes, pinballs, arcade / video games, vending machines, coin-op equipment and a multitude of electronic devices.
- Great tool for those hard to reach bulb locations.
- Safely removes bulbs, fits where fingers can't.
- Cup-type ends create circular gripping area.
- Rubber coated gripping area for secure and safe use.

**QA-2199**

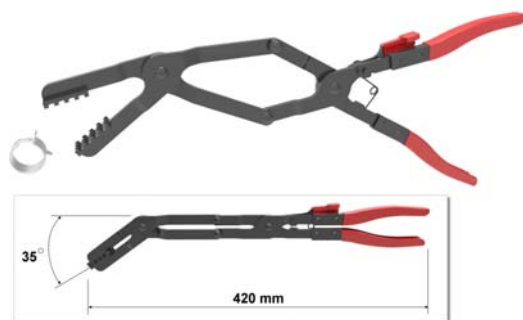
## **UNIVERSAL HOSE CLAMP PLIERS**



- Total length... 430mm
- Max. capacity... 50mm
- Special angle jaws designed for most kinds of hose clamp.
- Finger tip "position lock" to keep hose clamp spread open.

**QA-2200**

## **UNIVERSAL HOSE CLAMP PLIERS, 35° BENT NOSE**



- 35° Bent nose, Total length... 420mm
- Max. capacity... 50mm
- Special angle jaws designed for most kinds of hose clamp.
- Finger tip "position lock" to keep hose clamp spread open.

**QA-1675**

## **UNIVERSAL HOSE CLAMP PLIERS**



- Total length... 280mm
- Max. capacity... 65mm
- Special angle jaws designed for most kinds of hose clamp.
- Finger tip "position lock" to keep hose clamp spread open.

**QA-2198**

## **UNIVERSAL HOSE CLAMP PLIERS, 35° BENT NOSE**



- 35° Bent nose, Total length... 265mm
- Max. capacity... 65mm
- Special angle jaws designed for most kinds of hose clamp.
- Finger tip "position lock" to keep hose clamp spread open.

## QA-2325

### 5 PCS OIL FILTER OFFSET WRENCH SET

- Size... 24, 27, 32, 36, 38mm, with 3/8" square driver.
- Low profile design with offset drive.
- Special design for tight confined areas.
- For oil filters where access is limited.



## QA-2323

### SWIVEL JAW FILTER WRENCH PLIER



| Item no. | Length | Capacity |
|----------|--------|----------|
|----------|--------|----------|

|         |        |                                |
|---------|--------|--------------------------------|
| QA-2323 | 325 mm | 2-1/4" to 4-3/4" (57 - 120 mm) |
| QA-2324 | 405 mm | 3-1/8" to 7-1/2" (80 - 190 mm) |

- Jaws swivel 90° in either direction to access most oil and fuel filters.
- Works where other oil and fuel filter pliers and wrenches don't.
- Jaws adjust to 4 positions, (30° increments) to fit most applications.
- Slip-joint handle offers a big range.
- Sure grip teeth prevent slipping.
- Cushioned handles provide comfort.

## QA-2351

### TWO WAY OIL FILTER WRENCH



| Item no. | Capacity( Dia.) |
|----------|-----------------|
|----------|-----------------|

|         |               |
|---------|---------------|
| QA-2351 | 60 to 80 mm   |
| QA-2352 | 80 to 115 mm  |
| QA-2353 | 115 to 140 mm |

- Use with 1/2" Dr. or 21mm wrench.
- Special designed to install and remove the oil filter easily and quickly.
- With pull spring to make it hold the filter easily.

## QA-2253

### EMERGENCY BRAKE CABLE REMOVAL TOOL



- Used on domestic and import vehicles that utilize an emergency brake cable at the rear wheels with cable connector under the vehicle, including drum brake applications and most rear disc brake vehicles.
- Place brake cable in slot of pliers and use blade of pliers to push the cable out of the cable connector.
- Hardened steel construction for durability.
- Soft touch handle grips.

## QA-2254

### UNIVERSAL EMERGENCY BRAKE TOOL



- Compresses spring on emergency brake cable to replace brake shoe arm.
- Fit vehicles using cable/spring emergency brake assembly.
- Eliminates pinched fingers.
- Frees one hand for replacing brake shoe lever.



**QA-2327**

## ANGLE TIP LOCK RING PLIERS



- Spread... 3/4" (19mm)
- Length... 8-1/4" (210mm)
- Tip... Flat, angled, serrated.
- Used to spread snap rings found on brakes, pedal shafts, transmissions, clutch shafts, machine tools, and some piston ring.
- Jaws are scored on outside for secure gripping.
- Drop forged alloy steel.

**QA-2328**

## STRAIGHT TIP LOCK RING PLIERS



- Spread... 3/4" (19mm)
- Length... 8-1/4" (210mm)
- Tip... Flat, straight, serrated.
- Used to spread snap rings found on brakes, pedal shafts, transmissions, clutch shafts, machine tools, and some piston ring.
- Jaws are scored on outside for secure gripping.
- Drop forged alloy steel.

**QA-2329**

## SPECIAL SAFETY RINGS PLIER



- Spreading... 5 - 40mm
- Length... 240mm
- Tip size... 2.4 x 4.2mm
- Tip... Straight, centerin g-rand, long, slim
- Deep, large rings on drive shafts and steering shafts.

**QA-2259**

## UNIVERSAL DRUM BRAKE SPRING WASHER PLIERS



- Provides universal application for nearly all drum brakes.
- Work on drum brake hold-down retaining spring washers.

**QA-2239**

## 15PCS DISC BRAKE REPAIR KIT



- Contents...
  - 1\_ Brake adjustment tool
  - 1\_ Heavy-duty brake pad separator
  - 1\_ Disc brake piston tool
  - 1\_ Brake shoe retaining spring compressors
  - 1\_ Brake spring pliers
  - 1\_ 3/8" Dr. bit driver adapter
  - 3\_ Star bits, Size... T40, T45, T50
  - 6\_ Hex bits, Size... 1/4", 5/16", 3/8", 7, 8, 10mm

**QA-2362**

## SPRING-CLIP PLIERS



- Standard-reach model with lock and pivoting jaws.
- For hose clips on cooling, heating, fuel or screen-washer systems.



**QA-2363**

## SPRING-CLIP PLIERS



- Long-reach model with lock and pivoting jaws.
- For hose clips on cooling, heating, fuel or screen-washer systems.



**QA-2364**

## SPRING-CLIP PLIERS



- Slip-joint model.
- For hose clips on cooling, heating, fuel or screen-washer systems.



**QA-2303**

## HEAVY DUTY SPARK PLUG BOOT PLIERS



- This 10" (250mm) long reach spark boot pliers is designed to remove hard-to-reach spark plug boots.
- Double insulated to give complete protection against shock.
- Handle and jaws are double dipped to assure complete coverage of all contact areas.
- Also for light bulb removal.

**QA-2310**

## VALVE SPRING COMPRESSOR FOR OVERHEAD AND L-HEAD



- Compresses valve springs on overhead valve and L-head engines on cars, trucks and tractors.
- Throat depth 9-3/4" and jaw opening 2-3/4" to 7-3/4" fits larger engine sizes.
- Jaws and plunger bar are easily adjusted.
- Plunger bar seats on both flat and cup shaped valve heads.
- Includes offset and straight jaws.

**QA-2349**

## MULTI-PURPOSE INNER TIE ROD TOOL



| Item no. | Capacity    |
|----------|-------------|
| QA-2349  | 33 to 42 mm |
| QA-2350  | 41 to 49 mm |

- 1/2" square driver.
- Designed specifically for removal the inner tie rods.
- Replace inner tie rod ends, without removing the rack.

**QA-2275**

## WINDSHIELD MOLDING & DOOR HANDLE CLIP PLIER



- For removing most windshield molding clips and door handle clips.
- Releases clips to remove chrome molding on most windshield and rear glass.
- Offset handle permits easy access to molding clips.
- Clips under door handle without damage to panel material.

**QA-2337**

## TRIM CLIP PLIERS



- This drop forged tapered "V" opening tool removes upholstery clips from car doors.
- Fits many different sizes of clips.
- Can also be used for a multitude of other jobs...
  - \_ To remove trim pads & insulation.
  - \_ To keep from breaking clips.
  - \_ To remove the "tough" clips.

**QA-2313**

## ADJUSTABLE SEAL PULLER



- Head Adjusts to 5 Positions.
- Two hook sizes easily remove most oil and grease seals.
- Where clearance is a problem, remove the pin to reposition the head.
- The adjustable head works great on front wheel drive transaxles.
- Also works on front crankshaft seals without removing the radiator.

**QA-2270**

## PDR LIGHT (LED)



- Professional light for paintless dent removal (PDR).
- 3 lines of aluminum PCB 5050 SMD rigid LED strip (6200K)
- Black & White striped lens cover (270 × 155mm)
- Anodized aluminum shield.
- Adjustable stand with suction cup.
- 12V, 5M cord