













# Wera Screwdrivers

## Standard Screwdrivers

Wera Kraftform Plus standard screwdrivers transfer more torque with less effort, relieving physical stress even during intensive use. Combined with other practical and technical product advantages, such as the lasertip for a secure fit in the screw, and greater cam-out protection, Kraftform screwdrivers are the perfect choice for manual work.







| Standard Screwdrivers               |   |  |          |                   |                   |                   |                  |                            |         |
|-------------------------------------|---|--|----------|-------------------|-------------------|-------------------|------------------|----------------------------|---------|
| Part Number                         | Part Image  | Type   | Tip Size | Overall Length    | Shaft Length      | Shaft Diameter    | Handle Length    | Handle Type                | Price   |
| <a href="#"><u>TW-SD-SL-1</u></a>   |    |  Slotted  | 3.0mm    | 6.3in<br>(160mm)  | 3.1in<br>(80mm)   | 0.12in<br>(3.0mm) | 3.2in<br>(81mm)  | Kraftform ergonomic handle | \$5.75  |
| <a href="#"><u>TW-SD-SL-2</u></a>   |    |  | 4.0mm    | 7.8in<br>(198mm)  | 3.9in<br>(100mm)  | 0.16in<br>(4.0mm) | 3.9in<br>(99mm)  |                            | \$4.50  |
| <a href="#"><u>TW-SD-SL-3</u></a>   |   |  | 5.5mm    | 8.8in<br>(223mm)  | 4.9in<br>(125mm)  | 0.22in<br>(5.6mm) |                  |                            | \$7.50  |
| <a href="#"><u>TW-SD-SL-4</u></a>   |  |  | 6.5mm    | 12.4in<br>(315mm) | 5.9in<br>(150mm)  | 0.26in<br>(6.5mm) | 4.1in<br>(104mm) |                            | \$10.50 |
| <a href="#"><u>05008027055*</u></a> |  |  | 4.0mm    | 10.0in<br>(255mm) | 11.8in<br>(300mm) | 0.16in<br>(4.0mm) | 3.9in<br>(99mm)  |                            | \$9.00  |
| <a href="#"><u>05008060055*</u></a> |  |  | 5.5mm    | 11.0in<br>(280mm) | 11.8in<br>(300mm) | 0.24in<br>(6.1mm) |                  |                            | \$10.00 |
| <a href="#"><u>TW-SD-PH-1</u></a>   |  |  Phillips | #1       | 9.4in<br>(240mm)  | 3.1in<br>(80mm)   | 0.12in<br>(3.0mm) | 4.1in<br>(104mm) |                            | \$6.75  |
| <a href="#"><u>TW-SD-PH-2</u></a>   |  |  | #2       | 10.6in<br>(269mm) | 3.9in<br>(100mm)  | 0.20in<br>(5.1mm) | \$9.50           |                            |         |
| <a href="#"><u>TW-SD-PH-3*</u></a>  |  |  | #0       | 5.6in<br>(141mm)  | 2.4in<br>(60mm)   | 0.12in<br>(3.0mm) | 3.2in<br>(81mm)  |                            | \$5.25  |
| <a href="#"><u>05008730055</u></a>  |  |  | #2       | 15.9in<br>(405mm) | 11.8in<br>(300mm) | 0.24in<br>(6.1mm) | 4.1in<br>(104mm) |                            | \$11.00 |

\*Includes a hardened Black Point tip instead of laser-etched non-slip tip.




# Wera Screwdrivers

## Standard Screwdrivers Cont'd

| Standard Screwdrivers - Cont'd      |   |                  |          |                  |                  |                   |                   |                            |        |
|-------------------------------------|---|------------------|----------|------------------|------------------|-------------------|-------------------|----------------------------|--------|
| Part Number                         | Part Image  | Type             | Tip Size | Overall Length   | Shaft Length     | Shaft Diameter    | Handle Length     | Handle Type                | Price  |
| <a href="#"><u>05023105001</u></a>  |  | Hex              | 2.0mm    | 5.7in<br>(145mm) | 3.0in<br>(75mm)  | 0.12in<br>(3.0mm) | 2.8in<br>(70mm)   | Kraftform ergonomic handle | \$3.50 |
| <a href="#"><u>05023107001</u></a>  |  |                  | 2.5mm    | 6.1in<br>(156mm) |                  |                   | 3.2in<br>(81mm)   |                            | \$3.75 |
| <a href="#"><u>05023110001</u></a>  |  |                  | 3.0mm    |                  |                  |                   | 0.16in<br>(4.0mm) |                            | \$4.00 |
| <a href="#"><u>05138262055*</u></a> |  | Tamperproof torx | TX20     | 7.8in<br>(198mm) | 3.9in<br>(100mm) | 0.18in<br>(4.6mm) | 3.9in<br>(99mm)   |                            | \$8.25 |

\*Includes a hardened Black Point tip instead of laser-etched non-slip tip.

| Standard Screwdriver Sets          |                  |   |                         |  |  |         |
|------------------------------------|------------------|---|-------------------------|--|--|---------|
| Part Number                        | Number of Pieces | Part Image  | Type                    | Tip Size                                     | Set Includes   | Price   |
| <a href="#"><u>TW-SD-SET-1</u></a> | 6                |  | + Phillips<br>- Slotted | #1<br>#2<br>3.0mm<br>4.0mm<br>5.5mm<br>6.5mm | (4) slotted screwdrivers (3, 4, 5.5, 6.5mm), (2) Phillips screwdrivers (#1, #2), wall mount rack | \$36.00 |

# Wera Screwdrivers

## Insulated Screwdrivers

As with all other Wera tools, safety is a top priority for series 100 VDE screwdrivers. All Wera insulated screwdrivers are individually tested at 10,000V, in accordance with IEC 60900, ensuring safe working up to 1,000V. The quality of the blades exceeds current standards with respect to hardness and torque strength.







| Insulated Screwdrivers       |            |           |          |                |               |                |               |               |                            |         |
|------------------------------|------------|-----------|----------|----------------|---------------|----------------|---------------|---------------|----------------------------|---------|
| Part Number                  | Part Image | Type      | Tip Size | Overall Length | Shaft Length  | Shaft Diameter | Reduced Shank | Handle Length | Handle Type                | Price   |
| <a href="#">05006440055*</a> |            | ● Slotted | 3.5mm    | 7.1in (180mm)  | 3.9in (100mm) | 0.14in (3.5mm) | Yes           | 3.2in (81mm)  | Kraftform ergonomic handle | \$10.00 |
| <a href="#">05006441055*</a> |            |           | 4.0mm    | 7.8in (198mm)  |               | 0.20in (5.1mm) |               | \$10.50       |                            |         |
| <a href="#">05006442055*</a> |            |           | 5.5mm    | 8.8in (223mm)  | 4.9in (125mm) | 0.24in (6.1mm) |               | \$11.50       |                            |         |
| <a href="#">TW-SD-VSL-1</a>  |            |           | 2.5mm    | 8.7in (220mm)  | 3.1in (80mm)  | 0.20in (5.1mm) | No            | 3.2in (81mm)  |                            | \$5.50  |
| <a href="#">TW-SD-VSL-2</a>  |            |           | 3.0mm    | 9.4in (240mm)  | 3.9in (100mm) | 0.12in (3.0mm) |               |               |                            | \$5.75  |
| <a href="#">TW-SD-VSL-3</a>  |            |           | 4.0mm    | 10.0in (255mm) |               | 0.24in (6.1mm) |               | \$7.50        |                            |         |
| <a href="#">TW-SD-VSL-4</a>  |            |           | 5.5mm    | 11.0in (280mm) | 4.9in (125mm) | 0.22in (5.6mm) |               | 3.9in (99mm)  |                            | \$9.00  |


\*Does not have a Lasertip laser-etched non-slip tip.

# Wera Screwdrivers

## Insulated Screwdrivers - Cont'd

| Insulated Screwdrivers - Cont'd     |   |            |          |                  |                  |                   |               |                  |                            |         |
|-------------------------------------|---|------------|----------|------------------|------------------|-------------------|---------------|------------------|----------------------------|---------|
| Part Number                         | Part Image  | Type       | Tip Size | Overall Length   | Shaft Length     | Shaft Diameter    | Reduced Shank | Handle Length    | Handle Type                | Price   |
| <a href="#"><u>05006450055*</u></a> |  | + Phillips | #1       | 7.0in<br>(177mm) | 3.1in<br>(80mm)  | 0.16in<br>(4.0mm) | Yes           | 3.9in<br>(99mm)  | Kraftform ergonomic handle | \$10.50 |
| <a href="#"><u>05006451055*</u></a> |  |            | #2       | 8.1in<br>(205mm) | 3.9in<br>(100mm) | 0.24in<br>(6.1mm) |               | 4.1in<br>(104mm) |                            | \$13.50 |
| <a href="#"><u>TW-SD-VPH-1*</u></a> |  |            | #1       | 9.3in<br>(236mm) | 3.1in<br>(80mm)  | 0.16in<br>(4.0mm) | No            | 3.2in<br>(81mm)  |                            | \$8.25  |
| <a href="#"><u>TW-SD-VPH-2</u></a>  |  |            | #2       | 8.1in<br>(205mm) | 3.9in<br>(100mm) | 0.24in<br>(6.1mm) |               | 4.1in<br>(104mm) |                            | \$11.00 |

\*Does not have a Lasertip laser-etched non-slip tip.

| Insulated Screwdriver Sets         |                  |   |                             |  |  |         |
|------------------------------------|------------------|---|-----------------------------|--|--|---------|
| Part Number                        | Number of Pieces | Part Image  | Type                        | Tip Size   | Set Includes   | Price   |
| <a href="#"><u>TW-SD-SET-2</u></a> | 6                |  | + Phillips<br><br>- Slotted | #1<br>#2<br><br>2.5mm<br>3.5mm<br>4.0mm<br>5.5mm | (4) insulated slotted screwdrivers (2.5, 3.5, 4, 5.5mm), (2) insulated Phillips screwdrivers (#1, #2), wall mount rack | \$41.50 |






# Wera Screwdrivers

## Insulated Driver Sets with Interchangeable Blades

The system “one handle - many interchangeable blades” - makes Kraftform Kompakt VDE compact screwdriving sets for in-house as well as mobile electrical application out of the sets. The belt pouch is practical for tidy storage and transportation.



| Interchangeable Blades Screwdriver Sets |                  |   |           |                                  |                            |  |          |
|---|------------------|---|-----------|----------------------------------|----------------------------|--|----------|
| Part Number                             | Number of Pieces | Part Image  | Type      | Tip Size                         | Handle Type                | Set Includes   | Price    |
| <a href="#">05136027001</a>             | 17               |   | Phillips  | #1<br>#2                         | Kraftform ergonomic handle | (1) Kraftform VDE Blade-holding handle, (14) Kraftform Kompakt extra slim blades (Phillips: #1, #2, Posidriv: #1, #2, PlusMinus: #1, #2, torx: T10, T15, T20, T25, slotted: 2.5mm, 3.5mm, 4mm, 5.5mm), (1) Knipex combination pliers, (1) textile storage box  | \$198.00 |
|   |                  |   | Pozidriv  | #1<br>#2                         |                            |  |          |
|   |                  |   | PlusMinus | #1<br>#2                         |                            |  |          |
|   |                  |   | Torx      | T10<br>T15<br>T20<br>T25         |                            |  |          |
|   |                  |   | Slotted   | 2.5mm<br>3.5mm<br>4.0mm<br>5.5mm |                            |  |          |
| <a href="#">05347108055</a>             | 18               |  | Phillips  | #1<br>#2                         | Kraftform ergonomic handle | (2) Kraftform handles for interchangeable VDE blades, (4) VDE slotted blades (2.5, 3.5, 4, 5.5mm), (2) VDE Phillips blades (#1, #2), (2) VDE Phillips/slotted blades (#1, #2), (2) VDE Posidriv/slotted blades (#1, #2), (2) VDE square socket blades (#1, #2), (2) square enclosure latch key blades (6., 8mm), (1) triangle enclosure latch key blade (9mm), (1) double-bit enclosure latch key blade, durable cloth pouch | \$93.00  |
|   |                  |   | Pozidriv  | #1<br>#2                         |                            |  |          |
|   |                  |   | PlusMinus | #1<br>#2                         |                            |  |          |
|   |                  |   | Slotted   | 2.5mm<br>3.5mm<br>4.0mm<br>5.5mm |                            |  |          |
|   |                  |   | Square    | #1<br>#2                         |                            |  |          |
| <a href="#">TW-SD-VDE-7</a>             | 7                |  | Phillips  | #1<br>#2                         | Kraftform ergonomic handle | (1) Kraftform handle for interchangeable VDE blades, (4) VDE slotted blades (2.5, 3.5, 4, 5.5mm), (2) VDE Phillips blades (#1, #2), durable cloth pouch  | \$43.50  |
|   |                  |   | Slotted   | 2.5mm<br>3.5mm<br>4.0mm<br>5.5mm |                            |  |          |

# Wera Screwdrivers

## Chisel Screwdrivers

Chisel screwdrivers are the tools for the job when regular screwdrivers are not quite enough. The hexagonal blade goes through the handle to an impact cap with integral 1/4 inch square socket. This model is suitable for fastening, chiseling, and loosening seized screws.



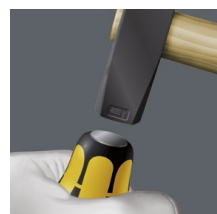
| Chisel Screwdrivers         |            |            |          |                |               |                |               |                            |         |
|-----------------------------|------------|------------|----------|----------------|---------------|----------------|---------------|----------------------------|---------|
| Part Number                 | Part Image | Type       | Tip Size | Overall Length | Shaft Length  | Shaft Diameter | Handle Length | Handle Type                | Price   |
| <a href="#">05017040055</a> |            | ⊕ Phillips | #1       | 7.4in (188mm)  | 3.5in (90mm)  | 0.16in (4.0mm) | 3.9in (99mm)  | Kraftform ergonomic handle | \$13.50 |
| <a href="#">05017041055</a> |            |            | #2       | 8.6in (218mm)  | 4.5in (113mm) | 0.16in (4.0mm) | 4.1in (104mm) |                            | \$19.00 |
| <a href="#">05018300055</a> |            | ⊖ Slotted  | 4.5mm    | 7.8in (198mm)  | 3.9in (100mm) | 0.18in (4.6mm) | 3.9in (99mm)  |                            | \$12.00 |
| <a href="#">05018301055</a> |            |            | 5.5mm    | 8.6in (218mm)  | 4.1in (103mm) | 0.22in (5.6mm) | 4.1in (104mm) |                            | \$16.50 |
| <a href="#">05018302055</a> |            |            | 7.0mm    | 9.6in (243mm)  | 3.9in (100mm) | 0.28in (7.0mm) | 4.1in (104mm) |                            | \$20.00 |

| Chisel Screwdriver Sets     |                  |            |                         |  |  |         |
|-----------------------------|------------------|------------|-------------------------|--|--|---------|
| Part Number                 | Number of Pieces | Part Image | Type                    | Tip Size                                     | Set Includes   | Price   |
| <a href="#">05018283055</a> | 6                |            | ⊕ Phillips<br>⊖ Slotted | #1<br>#2<br>3.5mm<br>4.5mm<br>5.5mm<br>7.0mm | (4) slotted chisel screwdrivers (3.5, 4.5, 5.5, 7mm), (2) Phillips chisel screwdrivers (#1, #2), (1) wall mount rack | \$61.00 |



Pound through blade

A hexagonal blade extends through the handle - thereby ensuring full transfer of force, even when struck with a hammer.



Impact cap with integrated square socket

An integrated impact cap lengthens the service life and reduces the danger of splintering.



Hexagon bolster








Greater torque can be transferred by using a wrench with the integrated hex bolster.

# Wera Screwdrivers

## Precision Screwdrivers



Wera Kraftform Micro precision screwdrivers feature a hand support on the easy-turning cap and a fast-turning zone below the cap to accelerate the screw driving process. This makes time-consuming grip adjustments, which are required with conventional precision screwdrivers, unnecessary.



| Precision Screwdrivers             |   |            |          |                  |                 |                 |  |        |  |        |
|------------------------------------|---|------------|----------|------------------|-----------------|-----------------|--|--------|--|--------|
| Part Number                        | Part Image  | Type       | Tip Size | Overall Length   | Shaft Length    | Handle Length   | Handle Type                                  | Price  |  |        |
| <a href="#"><u>TW-SD-MSL-1</u></a> |    | ☉ Slotted  | 2.0mm    | 6.2in<br>(157mm) | 2.4in<br>(60mm) | 3.8in<br>(97mm) | Kraftform ergonomic handle with rotating cap | \$3.75 |  |        |
| <a href="#"><u>TW-SD-MSL-2</u></a> |    |            | 2.5mm    | 7.0in<br>(177mm) | 3.1in<br>(80mm) |                 |  | \$3.75 |  |        |
| <a href="#"><u>TW-SD-MSL-3</u></a> |   |            | 3.0mm    |                  |                 |                 |  | \$4.00 |  |        |
| <a href="#"><u>TW-SD-MPH-1</u></a> |  | ⊕ Phillips | #0       | 6.2in<br>(157mm) | 2.4in<br>(60mm) |                 |  |        |  | \$4.00 |
| <a href="#"><u>05118064001</u></a> |  | ⊙ Hex      | 1.3mm    | 5.4in<br>(137mm) | 1.6in<br>(40mm) |                 |  |        |  | \$4.00 |
| <a href="#"><u>05118066001</u></a> |  |            | 1.5mm    | 6.2in<br>(157mm) | 2.4in<br>(60mm) |                 |  |        |  | \$3.75 |
| <a href="#"><u>05118068001</u></a> |  |            | 2.0mm    |                  |                 |                 |  |        |  | \$3.50 |

# Wera Screwdrivers

## Precision Screwdrivers - Cont'd



| Precision Screwdriver Sets         |                  |   |           |   |   |         |
|------------------------------------|------------------|---|-----------|---|---|---------|
| Part Number                        | Number of Pieces | Part Image  | Type      | Tip Size                                | Set Includes  | Price   |
| <u><a href="#">TW-SD-SET-3</a></u> | 6                |  | ⊕ Philips | #00<br>#0                               | (4) precision slotted screwdrivers (1.8, 2, 2.5, 3mm), (2) precision Phillips screwdrivers (#00, #0), wall mount rack   | \$30.00 |
|                                    |                  |   | ⊖ Slotted | 1.8mm<br>2.0mm<br>2.5mm<br>3.0mm        |   |         |
| <u><a href="#">05073675001</a></u> | 12               |  | ⊕ Philips | #00<br>#0                               | (12) Kraftform Micro precision screwdrivers (Phillips: #00, #0, torx: T5, T6, slotted: 1.5mm, 1.8mm, 2mm, 2.5mm, 3mm, hex: 0.9mm, 1.5mm, 2mm), (1) hook and loop fastener strip for storage | \$53.00 |
|                                    |                  |   | ⊕ Torx    | T5<br>T6                                |   |         |
|                                    |                  |   | ⊖ Slotted | 1.5mm<br>1.8mm<br>2.0mm<br>2.5mm<br>3mm |   |         |
|                                    |                  |   | ⊕ Hex     | 0.9mm<br>1.5mm<br>2.0mm                 |   |         |


# Wera Terminal Block Tools

## Terminal Block Tools

Wera terminal block tools are actuation tools designed for spring terminals. The curved blades also make it easy to operate spring terminals in distribution boxes, which cannot be reached with a straight blade. The blade stays in the terminal block, leaving both hands free to insert the wire. The tools include a multicomponent Kraftform handle for fast and smooth work.



| Terminal Block Tools               |   |           |          |                  |                 |                   |                 |                            |         |
|------------------------------------|---|-----------|----------|------------------|-----------------|-------------------|-----------------|----------------------------|---------|
| Part Number                        | Part Image  | Type      | Tip Size | Overall Length   | Shaft Length    | Shaft Diameter    | Handle Length   | Handle Type                | Price   |
| <a href="#"><u>05008101001</u></a> |   | ● Slotted | 2.5mm    | 6.4in<br>(162mm) | 3.2in<br>(81mm) | 0.10in<br>(2.5mm) | 3.2in<br>(81mm) | Kraftform ergonomic handle | \$11.00 |
| <a href="#"><u>05008102001</u></a> |  |           | 3.5mm    |                  |                 |                   |                 |                            | \$11.00 |

| Terminal Block Tool Sets           |                  |   |           |                |  |         |
|------------------------------------|------------------|---|-----------|----------------|--|---------|
| Part Number                        | Number of Pieces | Part Image  | Type      | Tip Size       | Set Includes   | Price   |
| <a href="#"><u>05008100001</u></a> | 2                |  | ● Slotted | 2.5mm<br>3.5mm | (2) Kraftform Plus angled terminal block tools (slotted: 2.5mm, 3.5mm) | \$22.00 |

# Wera L-Key Sets

## Hex-Plus L-Keys

Wera Hex- Plus L-keys for hexagon and Torx socket screws provide more contact surface inside the screw, which prevents rounding.

L-keys can transfer high torque but they must not twist to any great extent, or shear off, to minimize the risk of injuries. Wera's extensive experience with narrow tolerance manufacturing techniques, careful material selection and refined hardening technologies delivers maximum safety at work.



| L-Key Sets                           |                  |            |      |  |  |  |
|--------------------------------------|------------------|------------|------|--|--|--|
| Part Number                          | Number of Pieces | Part Image | Type | Material                               | Set Includes   | Price  |
| <a href="#"><u>TW-HK-SET-MM</u></a>  | 9                |            | Hex  | BlackLaser steel                       | (9) multicolor hex L-keys (1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm), fold-out L-key holder   | \$13.50  |
| <a href="#"><u>TW-HK-SET-STD</u></a> | 13               |            |      |  | (13) hex L-keys (0.05, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8in), fold-out L-key holder  | \$24.00  |
| <a href="#"><u>05022089055</u></a>   | 9                |            |      | BlackLaser steel with multicolor grips | (9) multicolor hex L-keys (1.5, 2, 2.5, 3, 4, 5, 6, 8 and 10mm), fold-out L-key holder   | \$50.00  |
| <a href="#"><u>05022639055</u></a>   | 9                |            |      |  | (9) multicolor hex L-keys (5/64, 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16 and 3/8in), durable cloth pouch  | \$50.00  |
| <a href="#"><u>05021737001</u></a>   | 9                |            |      | BlackLaser steel                       | (9) L-key hex keys with BlackLaser material (1.5 x 45mm, 2.0 x 50mm, 2.5 x 56mm, 3.0 x 63mm, 4.0 x 70mm, 5.0 x 80mm, 6.0 x 90mm, 8.0 x 100mm, 10.0 x 112mm), (1) wear-resistant clip | \$4.00   |
| <a href="#"><u>05133163001</u></a>   | 9                |            |      | chrome-plated steel                    | (9) chrome-plated L-key hex keys (1.5 x 50mm, 2.0 x 56mm, 2.5 x 63mm, 3.0 x 71mm, 4.0 x 80mm, 5.0 x 90mm, 6.0 x 100mm, 8.0 x 112mm, 10.0 x 125mm), (1) wear-resistant clip           | \$23.00  |
| <a href="#"><u>05022689001</u></a>   | 9                |            |      | Torx                                   | stainless steel  | (9) color-coded stainless steel L-key torx keys (T8 x 90mm, T9 x 101mm, T10 x 112mm, T15 x 123mm, T20 x 137mm, T25 x 154mm, T27 x 172mm, T30 x 195mm, T40 x 224mm), (1) 2-component plastic clip |

Note: L-keys are warranted against manufacturer defect only.

# Wera Ratcheting T-Handles



## Ratcheting T-Handles

Wera's ratcheting T-handles is an integrated ratchet with fine tooththing (80 teeth/return angle 4.5°) that eases and accelerates screwdriving without having to reposition the tool. The ratchet mechanism completely embedded in the handle ensures very handy and comfortable work. With reversing lever for comfortable clockwise/counterclockwise direction change in one-hand operation. The ergonomic shape of the handle fills the ball of the hand well, the fingers lie securely in the softly rounded recessed grips. The whole hand comes into contact with the handle, friction loss between hand and handle is avoided.

### Features

- The integrated ratchet with fine tooththing ensures fast and safe working
- Reversing lever for comfortable clockwise/counterclockwise direction change
- Convenient working thanks to the ratchet mechanism fully embedded in the handle
- Ergonomic 2-component handle with finger handle recesses and pleasant surface feel for very high power transmission and fatigue-free working
- Fast-rotating sleeve for extremely high working speed
- 1/4" socket mounting with secure ball lock or bitholder with 1/4" external hexagon drive as per DIN ISO 1173-C 6.3 and E 6.3















| Ratcheting T-Handles        |   |            |                |              |                    |         |
|-----------------------------|---|------------|----------------|--------------|--------------------|---------|
| Part Number                 | Part Image  | Drive Size | Fastening Size | Shaft Length | Handle Type        | Price   |
| <a href="#">05023460001</a> |  | 1/4in      | n/a            | 1.8in (45mm) | Ergonomic t-handle | \$66.00 |
| <a href="#">05023461001</a> |  | n/a        | 1/4in          |              |                    | \$66.00 |



# Wera Ratcheting T-Handles

## Ratcheting T-Handles - Cont'd

| Ratcheting T-Handle Sets           |                  |   |  |  |  |          |
|------------------------------------|------------------|---|--|--|--|----------|
| Part Number                        | Number of Pieces | Part Image  | Type   | TipSize                                      | Set Includes   | Price    |
| <a href="#"><u>05023471001</u></a> | 17               |    |  Phillips   | #2<br>#3                                     | (1) 1/4in t-handle ratchet bitholding screwdriver with Rapidaptor quick-release chuck, (16) 3.5 driver bits (Phillips: #2, #3 Pozidriv: #2, #3, torx: T10, T15, T20, T25, T30, T40, hex: 3mm, 4mm, 5mm, 6mm, 8mm, slotted: 5.5mm), (1) textile storage pouch             | \$135.00 |
|                                    |                  |   |  Pozidriv   | #2<br>#3                                     |  |          |
|                                    |                  |   |  Torx       | T10<br>T15<br>T20<br>T25<br>T30<br>T40       |  |          |
|                                    |                  |   |  Hex        | 3.0mm<br>4.0mm<br>5.0mm<br>6.0mm<br>8.0mm    |  |          |
|                                    |                  |   |  Slotted    | 5.5mm  |  |          |
| <a href="#"><u>05057473001</u></a> | 17               |  |  Phillips | #2<br>#3                                     | (1) 1/4in t-handle ratchet bitholding screwdriver with Rapidaptor quick-release chuck, (16) 3.5 driver bits (Phillips: #2, #3, torx: T10, T15, T20, T25, T30, T40, hex: 1/8in, 5/32in, 3/16in, 7/32in, 1/4in, square: #2, #3, slotted: 5.5mm), (1) textile storage pouch | \$135.00 |
|                                    |                  |   |  Pozidriv | #2<br>#3                                     |  |          |
|                                    |                  |   |  Torx     | T10<br>T15<br>T20<br>T25<br>T30<br>T40       |  |          |
|                                    |                  |   |  Hex      | 1/8in<br>5/32in<br>3/16in<br>7/32in<br>1/4in |  |          |
|                                    |                  |   |  Slotted  | 5.5mm  |  |          |



# Wera Screwdriver Bit Sets



## Screwdriver Bit Sets

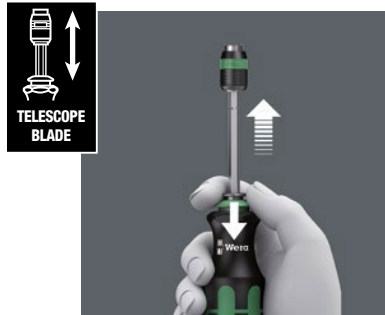
Wera bits have been designed for demanding applications in trade and industry. They are able to transfer high torque loads, are safe to use and extremely durable.

| Driver Bit Adapter          |   |         |
|-----------------------------|---|---------|
| Part Number                 | Description   | Price   |
| <b><u>TW-DB-ADT-MAG</u></b> | Wera Rapidaptor driver bit adapter, 1/4 inch drive, overall length 2-1/4 inch, ring magnet. Manufacturer part number: 052490. | \$21.50 |

Note: Bit-holders are warranted against manufacturer defect only.



**TW-DB-ADT-MAG**



## Telescopic Blade

When the unique telescopic blade is lowered into the handle, fast, easy screw-driving action is possible, even in the tightest spots! By pushing the clamping sleeve, the telescopic blade can be extended out of the handle and the compact tool becomes a full-sized screwdriver. If the clamping sleeve is pushed again the telescopic blade can be taken out of the handle, and be used as a machine bit adapter.



| Screwdriver Bit Set         |  |         |
|-----------------------------|--|---------|
| Part Number                 | Description  | Price   |
| <b><u>TW-DB-SET-SD1</u></b> | Wera Kraffform Kompact driver bit set with screwdriver, 1/4 inch drive. 8 pieces. Durable cloth pouch included. Manufacturer part number 051024. | \$45.00 |

Note: Screwdriver bits and bit-holders are warranted against manufacturer defect only.



**TW-DB-SET-SD1**

| TW-DB-SET-SD1 Contents |   |                                 |
|------------------------|---|---------------------------------|
|                        | Kraffform Kompact bit-holding bayonet screwdriver |                                 |
|                        | 1/4 Rapidaptor bit holder                         | 1/4 x 50                        |
|                        | Slotted bit, 25mm long                            | 0.6 x 4.5, 1.0 x 5.5, 1.2 x 6.5 |
|                        | Phillips bit, 25mm long                           | PH1, PH2, PH3                   |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.

# Wera Driver Bit Sets



## Bits, Bitholding Screwdriver and L-Keys in One Tool Set

This 52-piece set packs maximum screw-driving utility into a compact, lightweight set protected by an extremely robust folding textile box:

- BiTorsion bits for long service life
- Impaktor bits for extreme conditions
- Chrome-plated Hex-Plus L-keys with ball-end hex on long arm
- One Rapidaptor bit holder for quick, one-handed bit changes
- One Kraftform Kompact bit-holding screwdriver for that ergonomic Kraftform feel

| Impact Driver Set  |  |          |
|--------------------|--|----------|
| Part Number        | Description  | Price    |
| <b>05057460055</b> | Wera Kraftform Kompact series driver set with screwdriver, 1/4inch hex socket drive, metric. 52 pieces. Includes Kraftform Kompact bitholding screwdriver and durable cloth pouch. Manufacturer part number: 057460. | \$135.00 |

**Note: Screwdriver bits, bit-holders and L-keys are warranted against manufacturer defect only.**



**05057460055**



| 05057460055 Contents |  |  |
|----------------------|--|--|
|                      | 1/4 Kraftform Kompact bitholding screwdriver |  |
|                      | 1/4 Rapidator holder                         | 1/4 x 50   |
|                      | BiTorsion Phillips, 25mm long                | (2) PH1, (4) PH2, (2) PH3  |
|                      | Impaktor Phillips bit, 50mm long             | (2) PH2, PH3   |
|                      | BiTorsion Pozidriv® bits, 25mm long          | (2) PZ1, (4) PZ2, (2) PZ3  |
|                      | Impaktor Pozidriv® bits, 50mm long           | (2) PZ2, PZ3   |
|                      | BiTorsion Torx® bits                         | (2) TX10, (2) TX15, (3) TX20, (2) TX25, (2) TX30, TX40                           |
|                      | Impaktor Torx® bits, 50mm long               | TX25, TX30, TX40   |
|                      | BiTorsion® slotted bit, 25mm long            | 0.8 x 5.5, 1.0 x 5.5   |
|                      | Impaktor Hex-Plus bit, 50mm long             | 4.0, 5.0, 6.0  |
|                      | Hex Plus L-key                               | 1.5 x 50, 2.0 x 56, 2.5 x 63, 3.0 x 71, 4.0 x 80, 5.0 x 90, 6.0 x 100, 8.0 x 112 |

**Note: Fractional dimensions are in inches.  
Whole and decimal dimensions are in millimeters.**






# Wera Driver Bits

## Standard Driver Bits

Wera bits have been designed for demanding applications in trade and industry. They are able to transfer high torque loads, are safe to use and extremely durable.



| Standard Driver Bits              |   |            |          |            |            |  |                  |         |
|-----------------------------------|---|------------|----------|------------|------------|--|------------------|---------|
| Part Number                       | Part Image  | Type       | Tip Size | Bit Length | Drive Size | Description  | Package Quantity | Price   |
| <a href="#"><u>TW-DB-PH-1</u></a> |   | ⊕ Phillips | #1       | 2.75in     | 1/4in      | Wera #1 Phillips general purpose driver bit, 2.75in bit length, 1/4in drive, hexagonal. Package of 10. | 10               | \$14.00 |
| <a href="#"><u>TW-DB-PH-2</u></a> |  |            | #2       |            |            | Wera #2 Phillips general purpose driver bit, 2.75in bit length, 1/4in drive, hexagonal. Package of 10. |                  | \$13.00 |
| <a href="#"><u>TW-DB-SL-1</u></a> |  | ● Slotted  | 3.0mm    | 2in        |            | Wera 3.0mm slotted general purpose driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 10.  |                  | \$33.00 |

Note: Screwdriver bits are warranted against manufacturer defect only.

# Wera Torque Screwdrivers

## Torque Screwdrivers

Wera torque tools permit torque-controlled tightening to prevent damage to screws or work pieces and to guarantee the safety of screw connection. This makes labor-intensive drilling, re-tapping and production downtimes a thing of the past.

## Features

- Simple setting of the required torque by hand. Easy-to-read scale value.
- Measurement accuracy is  $\pm 6\%$  in accordance with the standard EN ISO 6789. Distinctly audible and noticeable excess-load signal when the pre-set torque is reached.
- All Wera torque tools are supplied with a calibration certificate.



| Torque Screwdrivers                |            |  |          |
|------------------------------------|------------|--|----------|
| Part Number                        | Part Image | Description  | Price    |
| <a href="#"><u>TW-TD-2-11</u></a>  |            | Wera Kraftform 7400 series adjustable torque screwdriver, 2.5-11.5 in-lb set point, numerical torque value, 1/4in hex socket drive. Driver bits not included. Manufacturer part number 074710. | \$96.00  |
| <a href="#"><u>TW-TD-11-29</u></a> |            | Wera Kraftform 7400 series adjustable torque screwdriver, 11-29 in-lb set point, numerical torque value, 1/4in hex socket drive. Driver bits not included. Manufacturer part number 074711.    | \$96.00  |
| <a href="#"><u>05074712055</u></a> |            | Wera Kraftform 7400 series adjustable torque screwdriver, 25-55 in-lb set point, numerical torque value, 1/4in hex socket drive. Driver bits not included. Manufacturer part number 074712.    | \$146.00 |



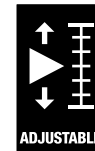
ANTI ROLL-OFF



KRAFTFORM ERGONOMICS



RAPIDAPTOR TECHNOLOGY



ADJUSTABLE



TORQUE TOOL



| Torque Screwdriver Sets            |            |   |          |
|------------------------------------|------------|---|----------|
| Part Number                        | Part Image | Description   | Price    |
| <a href="#"><u>05350451055</u></a> |            | Wera Kraftform 7400 series adjustable torque screwdriver set, 1/4in hex socket drive. 27 pieces. Includes sturdy plastic case. Manufacturer part number 350451. | \$391.00 |

Note: Screwdriver bits are warranted against manufacturer defect only.



| 05350451055 Contents |  |  |
|----------------------|--|--|
|                      | Torque screwdriver 2.5-11.5 in-lb          |  |
|                      | Torque screwdriver 11-29 in-lb             |  |
|                      | 25-55 in-lb pistol grip torque screwdriver |  |
|                      | Hex-Plus bits, 25mm long                   | 2, 2.5, 3, 4, 5, 6                               |
|                      | Torx® bits, 25mm long                      | TX6, TX7, TX8, TX9, TX10, TX15, TX20, TX25, TX30 |
|                      | Torx® Plus bits, 25mm long                 | TX6, TX7, TX8, TX9, TX10, TX15, TX20, TX25, TX30 |

# Wera Nutdrivers

## Nutdrivers

Wera nutdrivers have the same Kraftform Plus handles as standard screwdrivers. Shafts are made of chrome-plated steel and are hollow to allow access to nuts on long screws. Available in imperial and metric sets.



| Nutdrivers                         |                  |   |  |  |         |
|------------------------------------|------------------|---|--|--|---------|
| Part Number                        | Number of Pieces | Part Image  | Fastening Size   | Set Includes   | Price   |
| <a href="#"><u>05345230055</u></a> | 7                |   | 3/16in<br>1/4in<br>5/16in<br>11/32in<br>3/8in<br>7/16in<br>1/2in | (7) nutdrivers (3/16, 1/4, 5/16, 11/32, 3/8, 7/16 and 1/2in) | \$43.00 |
| <a href="#"><u>05029510055</u></a> | 7                |  | 5mm<br>5.5mm<br>6mm<br>7mm<br>8mm<br>10mm<br>13mm                | (7) nutdrivers (5, 5.5, 6, 7, 8, 10 and 13mm)                | \$43.00 |

# Wera Micro ESD Driver Bit Set

## Kraftform Micro ESD Driver Bit Set

When doing screwdriving jobs on electronic components (like e.g., smartphones and tablet PCs), there should be no electrostatic discharge as this could cause malfunctions and a complete failure.

Therefore, tools that are secure against electrostatic discharge are indispensable.

The electric surface resistance of the Wera ESD material is  $\leq 10^9$  ohm. This securely protects components against electrostatic energy and associated damage.



### ESD safe screwdrivers

The requirements for ESD-safe screwdrivers are specified in the European standard DIN EN 613405-1. This standard also includes a handle that has to be out of a defined conductive material. The Wera products in the ESD series satisfy these standards and the even more stringent requirements demanded by some technology companies.



| Micro ESD Driver Bit Set |  |          |
|--------------------------|--|----------|
| Part Number              | Description  | Price    |
| <b>05073671055</b>       | Wera Kraftform Kompact series driver bit set with Micro ESD bitholding screwdriver, 4mm Halfmoon/HIOS drive, metric. 20 pieces. Durable cloth pouch included. Manufacturer part number 073671. | \$229.00 |

Note: Screwdriver bits are warranted against manufacturer defect only.



| 05073671055 Contents |  |                                    |
|----------------------|--|------------------------------------|
|                      | Kraftform Micro ESD bitholding screwdriver |                                    |
|                      | Slotted bit, 44mm long                     | 0.23 x 1.5, 0.40 x 2.0, 0.50 x 3.0 |
|                      | Phillips bit, 44mm long                    | PH00, PH0, PH1                     |
|                      | Hex-Plus bit, 44mm long                    | 1.5, 2.0                           |
|                      | Torx® bit, 44mm long                       | TX1, TX2, TX3, TX4, TX5, TX6       |
|                      | Torx Plus bits                             | TX1, TX2, TX3, TX4                 |
|                      | Five Lobe bit                              | #1                                 |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.



# wiha SoftFinish Standard Screwdrivers

Tools that work for you



## Standard Screwdrivers


Wiha standard screwdrivers consist of premium-quality tool steel engineered for performance in high-demand environments pros see every day. Each driver blade is precisely heat-treated delivering years of service life, and the driver tips are precision machined for an exact fit, nearly eliminating the potential for fastener head cam-out. SoftFinish® driver handles feature an 8-edged large-diameter comfort grip for maximum gripping area, giving the user powerful torque and less fatigue.



## Features

- SoftFinish® cushion grip handle for comfort and control
- Dual durometer construction for long-lasting durability
- Handle direct molded to blade for permanent bond
- Handle sized proportionate to blade for consistent mechanical advantage
- Parallel flats for roll-off prevention
- Tip profile labeled on cap for easy identification
- Exact fit precision machined tip for reduced cam-out

| Standard Screwdrivers          |   |            |          |                  |                  |                   |                  |                                |        |
|--------------------------------|---|------------|----------|------------------|------------------|-------------------|------------------|--------------------------------|--------|
| Part Number                    | Part Image  | Type       | Tip Size | Overall Length   | Shaft Length     | Shaft Diameter    | Handle Length    | Handle Type                    | Price  |
| <a href="#"><u>WT31110</u></a> |   | + Phillips | #1       | 7.5in<br>(191mm) | 3.1in<br>(80mm)  | 0.18in<br>(4.6mm) | 4.4in<br>(112mm) | SoftFinish cushion grip handle | \$7.25 |
| <a href="#"><u>WT31115</u></a> |  |            | #2       | 8.6in<br>(218mm) | 3.9in<br>(100mm) | 0.24in<br>(6.1mm) | 4.7in<br>(119mm) |                                | \$9.50 |

| Standard Screwdriver Set       |                  |   |            |                         |  |         |
|--------------------------------|------------------|---|------------|-------------------------|--|---------|
| Part Number                    | Number of Pieces | Part Image  | Type       | Tip Size                | Set Includes   | Price   |
| <a href="#"><u>WT30277</u></a> | 5                |  | + Phillips | #1<br>#2                | (5) SoftFinish screwdrivers (Phillips #1, #2, slotted 4.5mm, 6.5mm, 8.0mm) | \$39.00 |
|                                |                  |   | - Slotted  | 4.5mm<br>6.5mm<br>8.0mm |  |         |

# wiha SoftFinish Insulated Screwdrivers

Tools that work for you









## Insulated Screwdrivers

Wiha Insulated SoftFinish® Cushion Grip screwdrivers consist of Wiha engineered premium quality tool steel for strength and durability, have black oxide finish for corrosion protection, and feature exact fit precision machined tips for reduced cam-out. All Wiha Insulated screwdrivers are VDE Certified and meet EN/IEC 60900 testing standards for protection against arc flash explosion, ASTM F1505 standard specifications for insulated and insulating hand tools, NFPA-70E standards for electrical safety on the jobsite, and CSA testing benchmarks for safety and performance. SoftFinish® driver handles feature an 8-edged large-diameter comfort grip for maximum gripping area giving, the user powerful torque and less fatigue.



## Features

- Ergonomic cushion grip handle for comfort and control
- Dual durometer construction for long-lasting durability
- Handle directly molded to the blade for permanent bond
- Handle size proportionate to blade for consistent mechanical advantage
- Parallel flats for roll-off prevention
- Tip profile labeled on cap for easy identification
- Wiha premium quality tool steel for strength and durability
- Black oxide finish for corrosion protection
- Exact fit precision machined tip for reduced cam-out
- Individually tested to 10,000 volts AC and rated to 1,000 volts AC for safety and peace of mind

| Insulated Screwdrivers         |   |   |          |                       |                   |                  |                   |                  |                                      |                   |         |
|--------------------------------|---|---|----------|-----------------------|-------------------|------------------|-------------------|------------------|--------------------------------------|-------------------|---------|
| Part Number                    | Part Image  | Type  | Tip Size | Slotted Tip Thickness | Overall Length    | Shaft Length     | Shaft Diameter    | Handle Length    | Handle Type                          | Insulation Rating | Price   |
| <a href="#"><u>WT32005</u></a> |  |  Slotted | 2.0mm    | 0.4mm                 | 6.5in<br>(165mm)  | 2.4in<br>(60mm)  | 0.20in<br>(5.1mm) | 4.1in<br>(104mm) | SoftFinish<br>cushion grip<br>handle | 1000V             | \$6.25  |
| <a href="#"><u>WT32010</u></a> |  |   | 2.5mm    |                       | 7.1in<br>(180mm)  | 3.0in<br>(75mm)  | 0.22in<br>(5.6mm) |                  |                                      |                   | \$6.25  |
| <a href="#"><u>WT32012</u></a> |  |   | 3.0mm    | 0.6mm                 | 8.0in<br>(203mm)  | 3.9in<br>(100mm) | 0.27in<br>(6.9mm) |                  |                                      |                   | \$6.25  |
| <a href="#"><u>WT32015</u></a> |  |   | 3.5mm    |                       |                   |                  |                   | \$6.75           |                                      |                   |         |
| <a href="#"><u>WT32017</u></a> |  |   | 4.0mm    | 0.8mm                 | 8.3in<br>(211mm)  | 3.9in<br>(100mm) | 0.29in<br>(7.3mm) | 4.4in<br>(112mm) |                                      |                   | \$8.00  |
| <a href="#"><u>WT32024</u></a> |  |   | 4.5mm    | 1.0mm                 | 9.3in<br>(236mm)  | 4.9in<br>(125mm) | 0.32in<br>(8.1mm) |                  |                                      |                   | \$8.25  |
| <a href="#"><u>WT32039</u></a> |  |   | 6.5mm    | 1.2mm                 | 10.6in<br>(269mm) | 5.9in<br>(150mm) | 0.38in<br>(9.7mm) | 4.7in<br>(119mm) |                                      |                   | \$11.25 |





# SoftFinish Insulated Screwdrivers

Tools that work for you

| Insulated Screwdrivers - Cont'd |            |            |          |                   |                  |                    |                  |                                      |                   |                  |
|---------------------------------|------------|------------|----------|-------------------|------------------|--------------------|------------------|--------------------------------------|-------------------|------------------|
| Part Number                     | Part Image | Type       | Tip Size | Overall Length    | Shaft Length     | Shaft Diameter     | Handle Length    | Handle Type                          | Insulation Rating | Price            |
| <a href="#">WT32100</a>         |            | + Phillips | #0       | 6.5in<br>(165mm)  | 2.4in<br>(60mm)  | 0.25in<br>(6.4mm)  | 4.1in<br>(104mm) | SoftFinish<br>cushion grip<br>handle | 1000V             | \$6.75           |
| <a href="#">WT32101</a>         |            |            | #1       | 7.5in<br>(191mm)  | 3.1in<br>(80mm)  | 0.30in<br>(7.6mm)  |                  |                                      |                   | 4.7in<br>(119mm) |
| <a href="#">WT32102</a>         |            |            | #2       | 8.6in<br>(218mm)  | 3.9in<br>(100mm) | 0.35in<br>(8.9mm)  | 4.7in<br>(119mm) |                                      |                   |                  |
| <a href="#">WT32103</a>         |            |            | #3       | 10.6in<br>(269mm) | 6.0in<br>(150mm) | 0.45in<br>(11.4mm) |                  |                                      |                   | 4.7in<br>(119mm) |
| <a href="#">WT32505</a>         |            | * Torx     | T5       | 6.5in<br>(165mm)  | 2.4in<br>(60mm)  | 0.24in<br>(6.1mm)  | 4.1in<br>(104mm) |                                      |                   |                  |
| <a href="#">WT32531</a>         |            |            | T10      |                   |                  |                    |                  |                                      |                   | \$7.00           |

| Insulated Screwdrivers Sets |                  |            |                         |  |                   |   |         |
|-----------------------------|------------------|------------|-------------------------|--|-------------------|---|---------|
| Part Number                 | Number of Pieces | Part Image | Type                    | Tip Size   | Insulation Rating | Set Includes  | Price   |
| <a href="#">WT32091</a>     | 5                |            | + Phillips<br>- Slotted | #1<br>#2<br>3.0mm<br>4.5mm<br>6.5mm                | 1000V             | (5) insulated SoftFinish screwdrivers (Phillips #1, #2, slotted 3.0mm, 4.5mm, 6.5mm)            | \$42.25 |
| <a href="#">WT32099</a>     | 7                |            | + Phillips<br>- Slotted | #1<br>#2<br>#3<br>3.0mm<br>4.0mm<br>5.5mm<br>6.5mm |                   | (7) insulated SoftFinish screwdrivers (Phillips #1, #2, #3, slotted 3.0mm, 4.0mm, 5.5mm, 6.5mm) | \$63.25 |

# wiha Precision Screwdrivers

Tools that work for you










## Precision Screwdrivers

Wiha Precision Screwdrivers feature cushion-grip handles for comfort and control, and the dual durometer material is direct-molded to the blade for a permanent bond. The Precision style includes a hex profile finger grip for precise torque and a tapered handle for rapid rotation. The handles are sized proportionate to the tip and feature an extra-long handle with smooth-turning cap for multiple hand positions. The driver tip profiles are labeled on the handle to quickly and easily identify the driver.



## Features

- Handle direct molded to blade for a permanent bond
- Tapered handle for rapid rotation
- Extra-long handle for optimal hand positions and smooth turning
- Tip profile labeled on handle for easy identification
- Handle sized proportionate to the blade for consistent mechanical advantage
- Wiha engineered premium quality tool steel for strength and durability
- Chrome-plated satin finish for corrosion protection
- Exact fit precision machined tip for reduced cam-out

| Precision Screwdrivers         |   |   |          |                       |                  |                  |                   |                 |  |        |
|--------------------------------|---|---|----------|-----------------------|------------------|------------------|-------------------|-----------------|--|--------|
| Part Number                    | Part Image  | Type  | Tip Size | Slotted Tip Thickness | Overall Length   | Shaft Length     | Shaft Diameter    | Handle Length   | Handle Type                              | Price  |
| <a href="#"><u>WT26008</u></a> |   |  Slotted | 0.8mm    | 0.16mm                | 4.7in<br>(119mm) | 1.6in<br>(40mm)  | 0.08in<br>(2.0mm) | 3.1in<br>(79mm) | Cushion grip handle<br>with rotating cap | \$7.00 |
| <a href="#"><u>WT26010</u></a> |  |   | 1.0mm    | 0.18mm                |                  |                  |                   |                 |  | \$6.50 |
| <a href="#"><u>WT26012</u></a> |  |   | 1.2mm    | 0.2mm                 |                  |                  |                   |                 |  | \$5.50 |
| <a href="#"><u>WT26015</u></a> |  |   | 1.5mm    | 0.25mm                | \$5.00           |                  |                   |                 |  |        |
| <a href="#"><u>WT26018</u></a> |  |   | 1.8mm    | 0.3mm                 | \$5.00           |                  |                   |                 |  |        |
| <a href="#"><u>WT26020</u></a> |  |   | 2.0mm    | 0.4mm                 | 4.7in<br>(119mm) | 1.6in<br>(40mm)  |                   | 3.1in<br>(79mm) |  | \$4.75 |
| <a href="#"><u>WT26022</u></a> |  |   |          |                       | 5.7in<br>(145mm) | 2.0in<br>(50mm)  |                   | 3.7in<br>(94mm) |  | \$4.75 |
| <a href="#"><u>WT26023</u></a> |  |   |          |                       | 7.1in<br>(180mm) | 3.9in<br>(100mm) |                   | 3.1in<br>(79mm) |  | \$4.75 |



# Precision Screwdrivers






Tools that work for you

| Precision Screwdrivers - Cont'd |            |           |                |                       |                |                |                |                |                                       |              |
|---------------------------------|------------|-----------|----------------|-----------------------|----------------|----------------|----------------|----------------|---------------------------------------|--------------|
| Part Number                     | Part Image | Type      | Tip Size       | Slotted Tip Thickness | Overall Length | Shaft Length   | Shaft Diameter | Handle Length  | Handle Type                           | Price        |
| <a href="#">WT26025</a>         |            | ● Slotted | 2.5mm          | 0.4mm                 | 5.7in (145mm)  | 2.0in (50mm)   | 0.10in (2.5mm) | 3.7in (94mm)   | Cushion grip handle with rotating cap | \$4.50       |
| <a href="#">WT26027</a>         |            |           |                |                       | 7.7in (196mm)  | 3.9in (100mm)  |                | 3.8in (97mm)   |                                       | \$4.50       |
| <a href="#">WT26030</a>         |            |           |                |                       | 5.7in (145mm)  | 2.0in (50mm)   | 0.12in (3.0mm) | 3.7in (94mm)   |                                       | \$4.25       |
| <a href="#">WT26032</a>         |            |           |                |                       | 6.7in (170mm)  | 2.4in (60mm)   | 0.12in (3.0mm) | 4.3in (109mm)  |                                       | \$4.50       |
| <a href="#">WT26033</a>         |            |           | 8.3in (211mm)  | 3.9in (100mm)         | 0.12in (3.0mm) | 4.4in (112mm)  | \$5.00         |                |                                       |              |
| <a href="#">WT26034</a>         |            |           | 10.2in (259mm) | 5.9in (150mm)         | 0.12in (3.0mm) | 4.3in (109mm)  | \$5.75         |                |                                       |              |
| <a href="#">WT26035</a>         |            |           | 3.5mm          | 0.6mm                 | 6.7in (170mm)  | 2.4in (60mm)   | 0.14in (3.5mm) | 4.3in (109mm)  |                                       | \$4.75       |
| <a href="#">WT26040</a>         |            |           | 4.0mm          | 0.8mm                 | 2.4in (60mm)   | 0.16in (4.0mm) | 4.3in (109mm)  | \$5.25         |                                       |              |
| <a href="#">WT26074</a>         |            |           | 3.5mm          | 0.6mm                 | 6.3in (160mm)  | 2.4in (60mm)   | 0.14in (3.5mm) | 3.9in (99mm)   |                                       | \$6.25       |
| <a href="#">WT26100</a>         |            |           | ⊕ Phillips     | #00                   | n/a            | 4.7in (119mm)  | 1.6in (40mm)   | 0.08in (2.0mm) |                                       | 3.1in (79mm) |
| <a href="#">WT26102</a>         |            | #000      |                | 1.6in (40mm)          |                |                | 0.08in (2.0mm) | 3.1in (79mm)   | \$6.75                                |              |
| <a href="#">WT26105</a>         |            | #0        |                | 5.7in (145mm)         |                | 2.0in (50mm)   | 0.12in (3.0mm) | 3.7in (94mm)   | \$4.75                                |              |
| <a href="#">WT26108</a>         |            |           |                | 6.7in (170mm)         |                | 3.0in (75mm)   | 0.12in (3.0mm) | 3.7in (94mm)   | \$4.50                                |              |



# Precision Screwdrivers

Tools that work for you

| Precision Screwdrivers - Cont'd |   |            |                   |                  |                 |                   |                   |  |                 |
|---------------------------------|---|------------|-------------------|------------------|-----------------|-------------------|-------------------|--|-----------------|
| Part Number                     | Part Image  | Type       | Tip Size          | Overall Length   | Shaft Length    | Shaft Diameter    | Handle Length     | Handle Type                              | Price           |
| <a href="#"><u>WT26110</u></a>  |  | ⊕ Phillips | #1                | 6.7in<br>(170mm) | 2.4in<br>(60mm) | 0.16in<br>(4.0mm) | 4.3in<br>(109mm)  | Cushion grip handle<br>with rotating cap | \$5.00          |
| <a href="#"><u>WT26313</u></a>  |  | ⊙ Hex      | 1.3mm<br>(.050in) | 4.7in<br>(119mm) | 1.6in<br>(40mm) | 0.10in<br>(2.5mm) | 3.1in<br>(79mm)   |  | \$4.75          |
| <a href="#"><u>WT26315</u></a>  |  |            | 1.5mm             | 5.7in<br>(145mm) | 2.0in<br>(50mm) |                   | 0.09in<br>(2.3mm) |  | 3.7in<br>(94mm) |
| <a href="#"><u>WT26320</u></a>  |  |            | 2.0mm<br>(5/64in) |                  |                 | \$4.25            |                   |  |                 |
| <a href="#"><u>WT26325</u></a>  |  |            | 2.5mm             | 6.7in<br>(170mm) | 2.4in<br>(60mm) | 0.11in<br>(2.9mm) | 4.3in<br>(109mm)  |  | \$4.25          |

# wiha Multi-bit Screwdrivers

Tools that work for you




## SoftFinish Multi-bit Screwdrivers

Wiha SoftFinish Multi-bit screwdrivers include various double-ended bits stored in the driver shaft for easy access. They feature ergonomic cushion grip handles for comfort and control, dual durometer construction for long-lasting durability, parallel flats to prevent table-top roll-off. 6inOne, 11inOne and a conduit reamer with 6inOne multi-bit drivers are available. See table below for bits included.

### Features

- SoftFinish® cushion grip handle for comfort and control
- Handle direct molded to blade for permanent bond
- Handle sized proportionate to blade for consistent mechanical advantage
- Dual durometer construction for long-lasting durability
- Interchangeable blade receiver for multi-tool adaptivity
- Wiha premium quality tool steel for strength and durability
- Parallel flats for roll-off prevention



| Multi-bit Screwdrivers         |                  |   |                  |          |  |                                      |  |         |
|--------------------------------|------------------|---|------------------|----------|--|--------------------------------------|--|---------|
| Part Number                    | Number of Pieces | Part Image  | Type             | Bit Size | Overall Length   | Handle Type                          | Set Includes   | Price   |
| <a href="#"><u>WT77890</u></a> | 4                |    | ⊕ Phillips       | #1       | 8.3in<br>(211mm)   | SoftFinish<br>cushion<br>grip handle | (1) SoftFinish cushion grip handle, (1) reversible shaft with 2 nutdriver profiles (1/4in, 5/16in), (1) Phillips double-ended bit (#1, #2), (1) slotted double-ended bit (3/16in, 1/4in) | \$14.00 |
|                                |                  |   |                  | #2       |  |                                      |  |         |
|                                |                  |   | ⊖ Slotted        | 3/16 in  |  |                                      |  |         |
|                                |                  |   |                  | 1/4 in   |  |                                      |  |         |
| <a href="#"><u>WT77891</u></a> | 8                |  | ⊕ Phillips       | #1       |  |                                      |  |         |
|                                |                  |   |                  | #2       |  |                                      |  |         |
|                                |                  |   | ⊖ Slotted        | 3/16 in  |  |                                      |  |         |
|                                |                  |   |                  | 1/4 in   |  |                                      |  |         |
|                                |                  |   | ⊗ Torx           | T20      |  |                                      |  |         |
|                                |                  |   |                  | T25      |  |                                      |  |         |
| ⊠ Square                       | #1               |   |                  |          |  |                                      |  |         |
|                                | #2               |   |                  |          |  |                                      |  |         |
| <a href="#"><u>WT77892</u></a> | 5                |  | ⊕ Phillips       | #1       | (1) SoftFinish cushion grip handle, (1) interchangeable conduit reamer (1/2in, 3/4in, 1in), (1) reversible shaft with 2 nutdriver profiles (1/4in, 5/16in), (1) Phillips double-ended bit (#1, #2), (1) slotted double-ended bit (3/16in, 1/4in) | \$28.25                              |  |         |
|                                |                  |   |                  | #2       |  |                                      |  |         |
|                                |                  |   | ⊖ Slotted        | 3/16 in  |  |                                      |  |         |
|                                |                  |   |                  | 1/4 in   |  |                                      |  |         |
|                                |                  |   | ⊚ Conduit Reamer | 1/2 in   |  |                                      |  |         |
| 3/4 in<br>1 in                 |                  |   |                  |          |  |                                      |  |         |





# Insulated Multi-bit Screwdrivers

Tools that work for you





## PocketMax Screwdriver

The 6 Piece Insulated SlimLine PocketMax Multi-bit screwdriver is equipped with insulated SlimLine bits. Every single Wiha insulated tool is individually tested to 10,000 volts AC and rated to 1,000 volts AC (1,500 volts DC) for safety and peace of mind in energized applications. Wiha insulated tools are VDE Certified and meet EN/IEC 60900 testing standards for protection against arc flash explosion, ASTM F1505 standard specifications for insulated and insulating hand tools, NFPA-70E standards for electrical safety on the jobsite, and CSA testing benchmarks for safety and performance.



## Features

- SoftFinish® cushion grip handle for comfort and control
- Handle direct molded to blade for permanent bond
- SlimLine blades technology up to 33% narrower insulation diameter, ideal for jobs where access is limited
- Dual durometer construction for long-lasting durability
- Magnetic easy open top with all SlimLine bits secured and stowed away
- Parallel flats for roll-off prevention

| Multi-bit Screwdrivers   |                  |  |   |          |                  |   |  |         |
|--|------------------|--|---|----------|------------------|---|--|---------|
| Part Number  | Number of Pieces | Part Image   | Type  | Bit Size | Overall Length   | Handle Type                                     | Set Includes   | Price   |
| <a href="#"><u>WT28345</u></a>   | 6                |  |  Slotted   | 3.5 mm   | 6.8in<br>(173mm) | Softfinish cushion grip handle with bit storage | (1) insulated Pocketmax handle with bit storage, (5) insulated SlimLine bits (slotted: 3.5mm, 6.5mm, Phillips: (#1, #2), square: (#2)) | \$53.25 |
|  |                  |  |   | 6.5 mm   |                  |   |  |         |
|  |                  |  |  Phillips | #1       |                  |   |  |         |
|  |                  |  |   | #2       |                  |   |  |         |
|  Square | #2               |  |   |          |                  |   |  |         |

# wiha Pliers

Tools that work for you









## Pliers

Wiha's pliers feature soft vinyl hand grips handles for comfort and control. Every plier is constructed of premium quality tool steel with induction hardened jaws and cutting edges for superior sharpness and service life. The pliers are designed with Wiha's patented DynamicJoint, experience 40% more gripping power to reduce hand fatigue and make your work easier.

## Features

- Wiha patented DynamicJoint for 40% stronger grip and easier cuts
- Induction-hardened cutting edges and jaws for superior sharpness and longevity
- Slip guard handle design for added protection
- Heavy-duty steel riveted joints to withstand high levels of load



| Pliers                  |   |                   |                             |                   |                  |                    |                    |                    |                    |           |                             |         |
|-------------------------|---|-------------------|-----------------------------|-------------------|------------------|--------------------|--------------------|--------------------|--------------------|-----------|-----------------------------|---------|
| Part Number             | Part Image  | Pliers Type       | Handle Type                 | Overall Length    | Handle Length    | Jaw Length         | Jaw Opening        | Jaw Thickness      | Jaw Width          | Material  | Capacity                    | Price   |
| <a href="#">WT30905</a> |    | Combination       | Industrial SoftGrip handles | 8.0in<br>(203mm)  | 5.7in<br>(145mm) | 2.69in<br>(68.3mm) | 1.80in<br>(45.7mm) | 0.46in<br>(11.7mm) | 1.10in<br>(27.9mm) | C70 steel | 7 AWG                       | \$30.75 |
| <a href="#">WT32616</a> |    | Linesman's        | Classic grip vinyl handles  | 9.0in<br>(229mm)  | 4.9in<br>(124mm) | 1.80in<br>(45.7mm) | 1.91in<br>(48.5mm) | 0.59in<br>(15.0mm) | 1.16in<br>(29.5mm) |           | 4 AWG                       | \$41.25 |
| <a href="#">WT32621</a> |  | Long Nose         |                             | 8.0in<br>(203mm)  | 3.0in<br>(76mm)  | 2.75in<br>(69.9mm) | 3.08in<br>(78.2mm) | 0.42in<br>(10.7mm) | 0.75in<br>(19.1mm) |           | 8 AWG                       | \$22.75 |
| <a href="#">WT32624</a> |  | Linesman's        |                             | 9.5in<br>(241mm)  | 5.7in<br>(145mm) | 1.60in<br>(40.6mm) | 2.00in<br>(50.8mm) | 0.35in<br>(8.9mm)  | 1.30in<br>(33.0mm) |           | n/a                         | \$29.50 |
| <a href="#">WT32637</a> |  | Tongue and Groove |                             | 10.0in<br>(254mm) | 5.2in<br>(132mm) | 1.25in<br>(31.8mm) | 1.50in<br>(38.1mm) | 0.25in<br>(6.4mm)  | 1.13in<br>(28.7mm) |           | 1.5in round<br>1-9/16in hex | \$34.25 |
| <a href="#">WT32661</a> |  |                   |                             | 10.0in<br>(254mm) | 4.1in<br>(104mm) | 2.30in<br>(58.4mm) | 3.30in<br>(83.8mm) | 0.28in<br>(7.1mm)  | 1.11in<br>(28.2mm) |           | 1.75in round<br>2.0in hex   | \$30.75 |
| <a href="#">WT32635</a> |  |                   |                             | 10.3in<br>(262mm) | 4.7in<br>(119mm) | 1.00in<br>(25.4mm) | 1.65in<br>(41.9mm) | 0.32in<br>(8.1mm)  | 1.56in<br>(39.6mm) |           | n/a                         | \$51.50 |
| <a href="#">WT32636</a> |  |                   |                             | Diagonal          | 8.0in<br>(203mm) | 6.0in<br>(152mm)   | 0.90in<br>(22.9mm) | 0.50in<br>(12.7mm) | 0.54in<br>(13.7mm) |           | 1.16in<br>(29.5mm)          | n/a     |



# wiha Insulated Pliers

Tools that work for you








## Insulated Pliers

Wiha insulated SoftFinish cushion grip pliers and cutters feature ergonomic cushion grip handles for comfort and control, dual durometer construction for long-lasting durability, and handles directly molded to the tool steel for a permanent bond. The grips feature a slip guard handle design for added protection at the front-end and raised rear-finger steps for easy opening at the back-end. They are individually tested to 10,000 volts AC and rated to 1,000 volts AC (1,500 volts DC) for safety and peace of mind in energized applications. All Wiha Insulated tools are VDE Certified and meet EN/IEC 60900 testing standards for protection against arc flash explosion, ASTM F1505 standard specifications for insulated and insulating hand tools, NFPA-70E standards for electrical safety on the job site, and CSA testing benchmarks for safety and performance.

## Features

- Individually tested to 10,000 volts AC and rated to 1,000 volts AC for safety and peace of mind
- Induction hardened cutting edges and jaws for superior sharpness and longevity, approximately 64HRC
- Standard industrial brushed finish for surface endurance
- Slip guard handle design for added protection
- Premium quality C70 tool steel for strength and durability
- Heavy duty steel riveted joints to withstand high levels of load



| Insulated Pliers               |   |                   |                                |                 |                 |                 |                 |                 |                 |           |          |         |
|--------------------------------|---|-------------------|--------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------|----------|---------|
| Part Number                    | Part Image  | Pliers Type       | Handle Type                    | Overall Length  | Handle Length   | Jaw Length      | Jaw Opening     | Jaw Thickness   | Jaw Width       | Material  | Capacity | Price   |
| <a href="#"><u>WT32923</u></a> |  | Long Nose         | Insulated cushion grip handles | 8.0in (203mm)   | 4.4in (112mm)   | 2.75in (69.9mm) | 3.08in (78.2mm) | 0.42in (10.7mm) | 0.75in (19.1mm) | C70 steel | 8 AWG    | \$36.00 |
| <a href="#"><u>WT32926</u></a> |  |                   |                                | 6.3in (160mm)   | 3.9in (99mm)    | 1.87in (47.5mm) | 2.17in (55.1mm) | 0.35in (8.9mm)  | 0.69in (17.5mm) |           | 10 AWG   | \$28.75 |
| <a href="#"><u>WT32928</u></a> |  | Bent Nose         |                                | 1.77in (45.0mm) | 1.70in (43.2mm) | 0.67in (17.0mm) | n/a             | \$29.00         |                 |           |          |         |
| <a href="#"><u>WT32930</u></a> |  | Combination       |                                | 8.0in (203mm)   | 6.0in (152mm)   | 1.80in (45.7mm) | 1.91in (48.5mm) | 0.59in (15.0mm) | 1.16in (29.5mm) |           | 4 AWG    | \$36.00 |
| <a href="#"><u>WT32941</u></a> |  | Long Flat Nose    |                                | 3.9in (99mm)    | 2.00in (50.8mm) | 2.32in (58.9mm) | 0.24in (6.0mm)  | 0.67in (17.0mm) | n/a             |           | \$27.50  |         |
| <a href="#"><u>WT32947</u></a> |  | Wire Stripping    |                                | 6.3in (160mm)   | 4.4in (112mm)   | 1.28in (32.5mm) | 1.59in (40.4mm) | 0.36in (9.1mm)  | 1.49in (37.8mm) |           | 28-8 AWG | \$30.75 |
| <a href="#"><u>WT32954</u></a> |  | Tongue and Groove |                                | 10.0in (254mm)  | 4.7in (119mm)   | 2.00in (50.8mm) | 0.28in (7.1mm)  | 0.27in (6.9mm)  | n/a             |           | \$39.00  |         |



# wiha Precision Pliers

Tools that work for you




## Precision Pliers

Wiha's precision pliers feature soft touch satin grips for maximum comfort and control. Every plier is constructed of premium quality tool steel with induction hardened jaws and cutting edges for superior sharpness and service life.

## Features

- Soft Touch satin grips for maximum comfort
- Black anti-glare finish, precise cutting edges
- Soft Touch tension return springs
- Induction hardened cutting edges and jaws for superior sharpness and longevity, approximately 64HRC
- Premium quality C70 tool steel for strength and durability









| Precision Pliers               |   |                               |                                 |                  |                 |                    |                    |                    |           |         |
|--------------------------------|---|-------------------------------|---------------------------------|------------------|-----------------|--------------------|--------------------|--------------------|-----------|---------|
| Part Number                    | Part Image  | Pliers Type                   | Handle Type                     | Overall Length   | Handle Length   | Jaw Length         | Jaw Thickness      | Jaw Width          | Material  | Price   |
| <a href="#"><u>WT56801</u></a> |    | Pointed Short Nose            | Electronic cushion grip handles | 5.5in<br>(140mm) | 3.9in<br>(99mm) | 0.79in<br>(20.0mm) | 0.24in<br>(6.0mm)  | 0.51in<br>(13.0mm) | C70 steel | \$34.75 |
| <a href="#"><u>WT56812</u></a> |   | Precision Diagonal            |                                 | 4.5in<br>(114mm) |                 | 0.32in<br>(8.0mm)  | 0.16in<br>(4.0mm)  | 0.37in<br>(9.5mm)  |           | \$34.00 |
| <a href="#"><u>WT56813</u></a> |  | Precision Diagonal Full Flush |                                 | 5.0in<br>(127mm) |                 | 0.20in<br>(5.0mm)  | 0.39in<br>(10.0mm) | \$37.50            |           |         |

# wiha Pliers Sets








Tools that work for you

## Pliers Sets

| Pliers Sets                    |                  |   |                        |  |          |   |          |
|--------------------------------|------------------|---|------------------------|--|----------|---|----------|
| Part Number                    | Number of Pieces | Part Image  | Set Type               | Pliers Type  | Capacity | Set Includes  | Price    |
| <a href="#"><u>WT32601</u></a> | 4                |    | Pliers set             | Combination<br>Long Nose<br>Tongue and Groove<br>Diagonal  | 10 AWG   | (1) combination pliers 8in, (1) long nose pliers w/ cutters 6.3in, (1) diagonal cutters 6.3in, (1) V-Jaw tongue and groove pliers 10in, roll-up tool pouch  | \$89.50  |
| <a href="#"><u>WT32608</u></a> | 8                |    |                        | Combination<br>Long Nose<br>Long Flat Nose<br>Long Round Nose<br>Diagonal<br>High Leverage<br>Diagonal | 4 AWG    | (1) combination pliers 6.3in, (1) high leverage combination pliers 9in, long nose pliers w/ cutters 6.3in, (1) long nose pliers w/ cutters 8in, (1) long flat nose pliers 6.3in, (1) long round nose pliers 6.3in, (1) diagonal cutters 6.3in, (1) high leverage diagonal cutters 8in, (1) pouch canvas | \$170.75 |
| <a href="#"><u>WT32626</u></a> | 5                |   |                        | Internal Snap Ring   | n/a      | (5) classic grip internal ring pliers (12.2in - 3.2mm tip, 5.5in - 0.9mm tip, 5.5in - 1.3mm tip, 7in - 1.5mm tip, 8.9in - 2.3mm tip)  | \$133.75 |
| <a href="#"><u>WT32634</u></a> | 3                |  | Pliers and cutters set | Long Nose<br>High Leverage<br>Diagonal<br>Linesman's   | 4 AWG    | (1) classic grip long nose pliers 8in, (1) high leverage diagonal cutters 8in, (1) NE Style Lineman's Pliers 9.5in  | \$72.00  |
| <a href="#"><u>WT32647</u></a> | 4                |  |                        | Combination<br>Long Nose<br>Tongue and Groove<br>Diagonal  | 8 AWG    | (1) classic grip combination pliers 8in, (1) classic grip long nose pliers w/ cutters 8in, classic grip diagonal cutter 6.3in, classic grip V-jaw tongue and groove pliers 10in   | \$115.00 |
| <a href="#"><u>WT32648</u></a> | 2                |  |                        | Long Nose<br>Diagonal  |          | (1) classic grip long nose pliers w/ cutters 8in, (1) classic grip diagonal cutters 6.3in   | \$44.25  |

# wiha Pliers Sets








Tools that work for you

| Pliers Sets - cont'd           |                  |   |                        |   |              |   |          |
|--------------------------------|------------------|---|------------------------|---|--------------|---|----------|
| Part Number                    | Number of Pieces | Part Image  | Set Type               | Pliers Type   | Capacity     | Set Includes  | Price    |
| <a href="#"><u>WT32653</u></a> | 3                |    | Pliers and cutters set | Combination<br>Long Nose<br>High Leverage<br>Diagonal | 4 AWG        | (1) classic grip combination pliers 8in, (1) classic grip long nose pliers w/ cutters 8in, classic grip high leverage diagonal cutter 8in, belt pack pouch  | \$77.25  |
| <a href="#"><u>WT32669</u></a> |                  |    | Pliers set             | Adjustable Push Button                                | n/a          | (3) V-jaw tongue and groove adjustable push button pliers (7in, 10in, 12in)   | \$103.00 |
| <a href="#"><u>WT32670</u></a> |                  |    |                        | Tongue and Groove                                     |              | (3) V-jaw tongue and groove pliers (7in, 10in, 12in)  | \$92.50  |
| <a href="#"><u>WT32698</u></a> |                  |   | Pliers and cutters set | Combination<br>Long Nose<br>Diagonal                  | 10 AWG       | (1) classic grip combination pliers 7in, (1) classic grip long nose pliers w/cutters 6.3in, (1) classic grip diagonal cutters 6.3in   | \$60.50  |
| <a href="#"><u>WT32699</u></a> | 2                |  | Pliers set             | Long Nose<br>Linesman's                               | 8 AWG        | (1) long nose pliers 8in, (1) NE style lineman's pliers 9.5in   | \$60.50  |
| <a href="#"><u>WT32968</u></a> | 3                |  | Pliers and cutters set | Long Nose<br>Linesman's<br>High Leverage<br>Diagonal  | 4 AWG        | (1) industrial long nose pliers 8in (1) NE style lineman's pliers 9.5in, (1) industrial high leverage diagonal cutters 8in  | \$113.25 |
| <a href="#"><u>WT57830</u></a> | 3                |  | Pliers set             | Wire Stripping<br>Crimping<br>Wire Cutting            | 22-10<br>AWG | (1) classic grip wire combination strippers/crimpers 8.25in, 10AWG max capacity, (1) classic grip wire strippers and cutters 6in, 10AWG max capacity, (1) classic grip wire stripper dual NM-B cable 7.75in, 12AWG max capacity | \$70.00  |

# wiha Tool Sets

Tools that work for you

## Tool Sets

| Tool Sets                      |                  |   |                                      |   |                         |                 |   |          |
|--------------------------------|------------------|---|--------------------------------------|---|-------------------------|-----------------|---|----------|
| Part Number                    | Number of Pieces | Part Image  | Set Type                             | Pliers Type                                   | Screwdriver Type        | Tip Sizes       | Set Includes  | Price    |
| <a href="#"><u>WT26190</u></a> | 8                |    | Screwdriver and pliers set           | Long Nose                                     | ⊕ Philips               | #00<br>#0<br>#  | (7) precision screwdrivers (Phillips: #00, #0, #1, slotted: 1.5mm, 2.0mm, 2.5mm, 3.0mm), (1) 6.3in industrial long nose pliers  | \$48.75  |
| ⊖ Slotted                      |                  |   |                                      |   | 1.5mm<br>2.0mm<br>3.0mm |                 |   |          |
| <a href="#"><u>WT26191</u></a> | 8                |    | Screwdriver and cutters set          | Classic Diagonal                              | ⊕ Philips               | #00<br>#0<br>#1 | (7) precision screwdrivers (Phillips #00, #0, #1, slotted 1.5mm, 2.0mm, 2.5mm, 3.0mm), (1) 5in classic grip precision diagonal cutters  | \$52.75  |
| ⊖ Slotted                      |                  |   |                                      |   | 1.5mm<br>2.0mm<br>3.0mm |                 |   |          |
| <a href="#"><u>WT32872</u></a> | 5                |    | Screwdriver, pliers, and cutters set | Long Nose Diagonal                            | ⊕ Philips               | #2              | (1) 6.3in diagonal cutters, (1) 8in long nose pliers, (3) insulated SoftFinished screwdrivers (slotted 3.0mm, 4.5, Phillips #2), belt pack pouch  | \$105.50 |
| ⊖ Slotted                      |                  |   |                                      |   | 3.0mm<br>4.0mm          |                 |   |          |
| <a href="#"><u>WT32875</u></a> | 5                |  | Screwdriver, pliers, and cutters set | Linesman's Long Nose                          | ⊕ Philips               | #2              | (1) 9.5in lineman's pliers, (1) 8in long nose pliers, (3) insulated SoftFinish screwdrivers (slotted 4.5mm, 6.5mm, Phillips #2), belt pack pouch  | \$158.25 |
| ⊖ Slotted                      |                  |   |                                      |   | 4.5mm<br>6.5mm          |                 |   |          |
| <a href="#"><u>WT32984</u></a> | 6                |  | Screwdriver and pliers set           | Combination Long Nose                         | ⊕ Philips               | #2              | (1) combination pliers 8in, (1) long nose pliers 8in, (4) insulated SoftFinish screwdrivers (slotted 3.0mm, 4.5mm, Phillips #2, square #2)  | \$105.50 |
| ⊖ Slotted                      |                  |   |                                      |   | 3.0mm<br>4.5mm          |                 |   |          |
| ⊖ Square                       |                  |   |                                      |   | #2                      |                 |   |          |
| <a href="#"><u>WT32985</u></a> | 7                |  | Screwdriver and pliers set           | Combination Long Nose Diagonal                | ⊕ Philips               | #1<br>#2        | (4) insulated SoftFinish screwdrivers (slotted 3.0mm, 4.5mm, Phillips #1, #2), (1) industrial long nose pliers 6.3in, (1) industrial combination pliers 8in, (1) industrial diagonal cutters 6.3in, belt pack pouch                     | \$137.00 |
| ⊖ Slotted                      |                  |   |                                      |   | 3.0mm<br>4.5mm          |                 |   |          |
| <a href="#"><u>WT32986</u></a> | 11               |  | Screwdriver and pliers set           | Long Nose Combination Diagonal Wire Stripping | ⊕ Philips               | #1<br>#2        | (1) long nose pliers 6.3in, (1) combination pliers 8in, (1) diagonal cutters 6.3in, (1) stripping pliers 6.3in, (7) insulated SoftFinish screwdrivers (slotted 3.0mm, 4.5mm, 5.5mm, Phillips #1, #2, square #1, #2), roll-up tool pouch | \$204.75 |
| ⊖ Slotted                      |                  |   |                                      |   | 3.0mm<br>4.5mm<br>5.5mm |                 |   |          |
| ⊖ Square                       |                  |   |                                      |   | #1<br>#2                |                 |   |          |

# wiha Impact Driver Bits

Tools that work for you

















## Impact Driver bits

Wiha driver bits are impact rated for power tools and rigorously heat-treated to produce a bit lasting 120 times the service life compared to standard bits. Wiha's specially designed torsion zone absorbs the impact energy, allowing a maximum torsion flex that goes unmatched. With TerminatorBlue Impact Bits you get the tightest-fit precision-machined driver tips from the company that sets the standard for precision. Wiha's exact-fit tips eliminate excessive bit-wobble for increased driver accuracy. The result is a highly stable engagement with the screw head and a reduction in fastener cam-out that can lead to injury or damage to finished materials.

## Features

- TST™ Torsion Stabilizing Technology for maximum flex and reduced tip stress
- Computer-controlled heat treatment for 120 times service-life over Wiha standard bits
- Tuned torsion zone for maximum flex and reduced tip stress
- CVM premium quality tool steel for strength and durability
- Exact fit precision machined tips for reduced cam-out
- Fit with a standard 1/4 inch hex drive
- Bit lengths available: 1-inch; 2-inch; 3.5-inch
- Impact-rated for power tool applications
- Minimum hardness tolerance of 61 RHC +/- 1






| Impact Driver Bits      |   |  |          |            |            |  |                  |         |
|-------------------------|---|--|----------|------------|------------|--|------------------|---------|
| Part Number             | Part Image  | Type   | Tip Size | Bit Length | Drive Size | Description  | Package Quantity | Price   |
| <a href="#">WT70002</a> |  |  Phillips | #2       | 1in        | 1/4in      | Wiha TerminatorBlue #2 Phillips impact driver bit, 1in bit length, 1/4in drive, hexagonal. Package of 2.   | 2                | \$3.50  |
| <a href="#">WT70020</a> |  |  Torx     | T25      |            |            | Wiha TerminatorBlue T25 Torx impact driver bit, 1in bit length, 1/4in drive, hexagonal. Package of 2.      |                  | \$3.50  |
| <a href="#">WT70042</a> |  |  | #2       |            |            | Wiha TerminatorBlue #2 Phillips impact driver bit, 1in bit length, 1/4in drive, hexagonal. Package of 20.  | 20               | \$15.00 |
| <a href="#">WT70201</a> |  |  Phillips | #1       | 1/4in      | 2in        | Wiha TerminatorBlue #1 Phillips impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 2.   | 2                | \$4.00  |
| <a href="#">WT70202</a> |  |  | #2       |            |            | Wiha TerminatorBlue #2 Phillips impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 2.   |                  | \$4.00  |
| <a href="#">WT70203</a> |  |  | #3       |            |            | Wiha TerminatorBlue #3 Phillips impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 2.   |                  | \$4.00  |
| <a href="#">WT70220</a> |  |  | T25      |            |            | Wiha TerminatorBlue T25 Torx impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 2.      |                  | \$4.00  |
| <a href="#">WT70222</a> |  |  Torx     | T30      |            |            | Wiha TerminatorBlue T30 Torx impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 2.      |                  | \$4.00  |
| <a href="#">WT70223</a> |  |  | T40      |            |            | Wiha TerminatorBlue T40 Torx impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 2.      |                  | \$4.00  |
| <a href="#">WT70269</a> |  |  Phillips | #2       | 3.5in      | 1/4in      | Wiha TerminatorBlue #2 Phillips impact driver bit, 2in bit length, 1/4in drive, hexagonal. Package of 5.   | 5                | \$9.00  |
| <a href="#">WT70302</a> |  |  |          |            |            | Wiha TerminatorBlue #2 Phillips impact driver bit, 3.5in bit length, 1/4in drive, hexagonal. Package of 2. |                  | 2       |

# wiha Impact Driver Bits


Tools that work for you



## Impact Driver Bit Sets

| Impact Driver Bit Sets         |                  |   |            |                               |                             |               |   |         |
|--------------------------------|------------------|---|------------|-------------------------------|-----------------------------|---------------|---|---------|
| Part Number                    | Number of Pieces | Part Image  | Type       | Bit Size<br>Tip Size x Length | Bit<br>Quantity<br>Included | Drive<br>Size | Set Includes  | Price   |
| <a href="#"><u>WT70098</u></a> | 8                |    | ⊕ Phillips | #1 x 1in                      | 1                           |               | (2) 1in Phillips bits (#1, #2), (3) 1in torx bits (T20, T25, T30), (2) 1in square bits (#1, #2), plastic case   | \$13.00 |
|                                |                  |   |            | #2 x 1in                      |                             |               |   |         |
|                                |                  |   | ⊛ Torx     | T20 x 1in                     |                             |               |   |         |
|                                |                  |   |            | T25 x 1in                     |                             |               |   |         |
|                                |                  |   |            | T30 x 1in                     |                             |               |   |         |
| ◻ Square                       | #1 x 1in         |   |            |                               |                             |               |   |         |
|                                | #2 x 1in         |   |            |                               |                             |               |   |         |
| <a href="#"><u>WT70297</u></a> | 40               |   | ⊕ Phillips | #1 x 1in                      | 5                           | 1/4in         | (7) 1in Phillips bits (#1, (5) #2, #3), (5) 2in Phillips bits (#1, (3) #2, #3), (1) 3.5in Phillips bit (#2), (3) 1in square bits (#1, (2) #2, #3), (2) 2in square bits (#1, #2), (1) 3.5in square bits (#3), (9) 1in Torx bits (T15, (2) T20, (5) T25, T30), (5) 2in Torx bits (T20, (2) T25, T30, T40), (3) 3.5in Torx bits (T20, T25, T30), (2) nut setters (5/16in, 3/8in), (1) bit holder (1/4in), plastic case | \$32.50 |
|                                |                  |   |            | #2 x 1in                      |                             |               |   |         |
|                                |                  |   |            | #3 x 1in                      |                             |               |   |         |
|                                |                  |   |            | #1 x 2in                      |                             |               |   |         |
|                                |                  |   |            | #2 x 2in                      |                             |               |   |         |
|                                |                  |   |            | #3 x 2in                      |                             |               |   |         |
|                                |                  |   |            | #2 x 3.5in                    |                             |               |   |         |
|                                |                  |   | ⊛ Torx     | T15 x 1in                     |                             |               |   |         |
|                                |                  |   |            | T20 x 1in                     |                             |               |   |         |
|                                |                  |   |            | T25 x 1in                     |                             |               |   |         |
|                                |                  |   |            | T30 x 1in                     |                             |               |   |         |
|                                |                  |   |            | T20 x 2in                     |                             |               |   |         |
|                                |                  |   |            | T25 x 2in                     |                             |               |   |         |
|                                |                  |   |            | T30 x 2in                     |                             |               |   |         |
|                                |                  |   |            | T40 x 2in                     |                             |               |   |         |
|                                |                  |   |            | T20 x 3.5in                   |                             |               |   |         |
|                                |                  |   |            | T25 x 3.5in                   |                             |               |   |         |
|                                |                  |   | ◻ Square   | T30 x 3.5in                   |                             |               |   |         |
|                                |                  |   |            | #1 x 1in                      |                             |               |   |         |
|                                |                  |   |            | #2 x 1in                      |                             |               |   |         |
| #3 x 1in                       |                  |   |            |                               |                             |               |   |         |
| #1 x 2in                       |                  |   |            |                               |                             |               |   |         |
| ⊙ Nut Setter                   | #2 x 2in         |   |            |                               |                             |               |   |         |
|                                | 3/8 x 3.5in      |   |            |                               |                             |               |   |         |
|                                | 3/8 x 3in        |   |            |                               |                             |               |   |         |
| ⊙ Bit Holder                   | 5/16 x 3in       |   |            |                               |                             |               |   |         |
|                                | 1/4 x 2.4in      |   |            |                               |                             |               |   |         |
| <a href="#"><u>WT70298</u></a> | 7                |  | ⊕ Phillips | #1 x 2in                      | 1                           |               | (2) 2in Phillips bits (#1, #2), (2) 2in square bits (#1, #2), (3) 2in torx bits (T20, T25, T30), plastic case   | \$13.00 |
|                                |                  |   |            | #2 x 2in                      |                             |               |   |         |
|                                |                  |   | ⊛ Torx     | T20 x 2in                     |                             |               |   |         |
|                                |                  |   |            | T25 x 2in                     |                             |               |   |         |
|                                |                  |   | ◻ Square   | T30 x 2in                     |                             |               |   |         |
| #1 x 2in                       |                  |   |            |                               |                             |               |   |         |
|                                |                  |   |            | #2 x 2in                      |                             |               |   |         |

# wiha Driver Bits

Tools that work for you

| Impact Driver Bit Sets - cont'd |                  |   |            |                               |                             |               |  |         |
|---------------------------------|------------------|---|------------|-------------------------------|-----------------------------|---------------|--|---------|
| Part Number                     | Number of Pieces | Part Image  | Type       | Bit Size<br>Tip Size x Length | Bit<br>Quantity<br>Included | Drive<br>Size | Set Includes   | Price   |
| <b><u>WT76889</u></b>           | 32               |  | ⊕ Phillips | #1 x 1in                      | 2                           | 1/4in         | (1) Mini ratchet 1/4in hex to 1/4in square adapter, (1) 1/4in drive locking magnetic bit holder, (6) Phillips bits ((2) #1, (2) #2, (2) #3), (3) square bits (#1, #2, #3), (7) torx bits (T10, T15, T20, T25, T27, T30, T40), (4) hex metric bits (3.0mm, 4.0mm, 5.0mm, 6.0mm), (7) hex imperial bits (1/8, 9/64, 5/32, 3/16, 7/32, 1/4in), (3) Pozidriv bits (#1, #2, #3), plastic case | \$33.75 |
|                                 |                  |   |            | #2 x 1in                      |                             |               |  |         |
|                                 |                  |   |            | #3 x 1in                      |                             |               |  |         |
|                                 |                  |   | ⊗ Torx     | T10 x 1in                     | 1                           |               |  |         |
|                                 |                  |   |            | T15 x 1in                     |                             |               |  |         |
|                                 |                  |   |            | T20 x 1in                     |                             |               |  |         |
|                                 |                  |   |            | T25 x 1in                     |                             |               |  |         |
|                                 |                  |   |            | T27 x 1in                     |                             |               |  |         |
|                                 |                  |   |            | T30 x 1in                     |                             |               |  |         |
|                                 |                  |   |            | T40 x 1in                     |                             |               |  |         |
|                                 |                  |   | ◻ Square   | #1 x 1in                      | 1                           |               |  |         |
|                                 |                  |   |            | #2 x 1in                      |                             |               |  |         |
|                                 |                  |   |            | #3 x 1in                      |                             |               |  |         |
|                                 |                  |   | ⊙ Hex      | 1/8 x 1in                     | 1                           |               |  |         |
|                                 |                  |   |            | 9/64 x 1in                    |                             |               |  |         |
|                                 |                  |   |            | 5/32 x 1in                    |                             |               |  |         |
|                                 |                  |   |            | 3/16 x 1in                    |                             |               |  |         |
|                                 |                  |   |            | 7/32 x 1in                    |                             |               |  |         |
|                                 |                  |   |            | 1/4 x 1in                     |                             |               |  |         |
|                                 |                  |   |            | 3.0 mm x 1in                  |                             |               |  |         |
| 4.0 mm x 1in                    |                  |   |            |                               |                             |               |  |         |
| ⊕ Pozidriv                      | 5.0 mm x 1in     | 1   |            |                               |                             |               |  |         |
|                                 | 6.0 mm x 1in     |   |            |                               |                             |               |  |         |
|                                 | #1 x 1in         |   |            |                               |                             |               |  |         |
|                                 | #2 x 1in         |   |            |                               |                             |               |  |         |
|                                 |                  |   |            | #3 x 1in                      |                             |               |  |         |

| Driver Bit Holders    |   |                  |                  |                          |   |         |
|-----------------------|---|------------------|------------------|--------------------------|---|---------|
| Part Number           | Part Image  | Overall Length   | Shaft Length     | Handle Type              | Description   | Price   |
| <b><u>WT38800</u></b> |  | 7.3in<br>(184mm) | 4.9in<br>(125mm) | Classic grip<br>t-handle | Wiha t-handle bit holder, 1/4in, 4.9in (125mm) shaft length, classic grip t-handle.   | \$12.00 |
| <b><u>WT70096</u></b> |  | 2.4in<br>(61mm)  | n/a              | n/a                      | Wiha TerminatorBlue quick-release driver bit adapter, 1/4in drive, 2.4in (61mm) overall length. Impact-rated for power tool applications. | \$8.00  |



# wiha Nut Setters

Tools that work for you



## Nut Setters

Wiha's color coded nut setters are designed with high-visibility color-coding and laser-engraved size callouts for quick and easy identification. The nut setters have a solid shaft to provide strength and durability for long-lasting repetitive use. Wiha color coded nut setters are impact-rated for use in power tools. The nut setters feature industrial-strength magnets that securely retain fasteners to give you the freedom of one-handed work applications. Color coded nut setters are made of premium quality CrMo tool steel and have a durable finish for corrosion protection. Nut setters are precision-formed for exact-fit to reduce fastener cam-out that can lead to injury or damage to finished materials. The socket openings feature a beveled rim for easy fastener engagement with a broached and smooth finish for prolonged life.



## Features

- High-visibility color coding for quick and easy size identification
- Industrial strength magnetic tip for secure fastener hold
- Impact rated to 700 in/lbs for maximum performance with Li-ion impact drivers
- Exact fit precision machined tip for reduced cam-out
- Standard 1/4-inch hex drive for universal application
- 6-inch (152mm) overall length for extended reach
- Radiused corners for preventing fastener head round-off
- Broached and clear-coated openings for added corrosion protection
- Cold forged from Chromium-molybdenum alloy steel (CrMo) for strength and durability

| Nut Setters                    |                  |   |          |                |   |         |
|--------------------------------|------------------|---|----------|----------------|---|---------|
| Part Number                    | Number of Pieces | Part Image  | Set Type | Overall Length | Set Includes  | Price   |
| <a href="#"><u>WT70486</u></a> | 6                |  | Imperial | 6in (152.4mm)  | (6) color-coded 6in nut setters (1/4in, 5/16in, 3/8in, 7/16in, 1/2in, 9/16in) | \$47.50 |
| <a href="#"><u>WT70487</u></a> |                  |  | Metric   |                | (6) color-coded 6in nut setters (8mm, 10mm, 11mm, 12mm, 13mm, 14mm)           | \$47.50 |



# wiha Hex Keys

Tools that work for you



## Hex Keys

Wiha PocketStar Fold-Out Hex Key Sets are compact at 4.7-inches in length featuring an engineered polymer handle casing to provide both durable storage and secure grip. Hex key sizes are marked on the handle and we've eliminated the struggle of accessing the key you need with an innovative key extractor. Simply engage the pushbutton key extractor to lift the hex keys for easy access and selection. Each hex key consists of premium-quality tool steel and feature a satin finish for corrosion protection. The tips are fit with a chamfered end for smooth fastener engagement with CNC precision-machined tips for a tight fit and reduced cam-out.



## Features

- Hex keys fold into handle for compact, organized, and secure storage
- Pushbutton key extractor for easy selection
- Engineered polymer handle casing for high-impact environments
- CNC precision-machined for reduced cam-out
- High visibility size markings for clear identification
- Chamfered end for smooth fastener engagement - no cut-off distortions
- Chrome-plated satin finish for corrosion protection
- Heat-treated premium quality tool steel for maximum durability

| Hex Keys                       |                  |   |          |                |   |         |
|--------------------------------|------------------|---|----------|----------------|---|---------|
| Part Number                    | Number of Pieces | Part Image  | Set Type | Overall Length | Set Includes  | Price   |
| <a href="#"><u>WT35195</u></a> | 7                |  | Metric   | 6.0in (152mm)  | (1) PocketStar fold-out hex storage handle, (7) integrated metric hex bits (2.0mm, 2.5mm, 3.0mm, 4.0mm, 5.0mm, 6.0mm, 8.0mm)                        | \$27.75 |
| <a href="#"><u>WT35197</u></a> | 9                |  | Imperial |                | (1) PocketStar fold-out hex storage handle, (9) integrated Imperial hex bits (5/64in, 3/32in, 7/64in, 1/8in, 9/64in, 5/32in, 3/16in, 7/32in, 1/4in) | \$27.75 |

# wiha Control Cabinet Keys

Tools that work for you



## Control Cabinet Keys

Control cabinet keys are used for limiting access to control cabinets and shut-off systems that supply electricity, natural gas, and electricity. They are also for use with air conditioning and ventilation systems, shutoff valves, and in water main supply systems. Wiha's control cabinet keys are designed, engineered, and manufactured by Wiha Germany.



## Features

- For applications with all common switch cabinets and locking systems
- Pen style or cross style
- Consists of keys and profiles integrated into one compact, lightweight tool
- Includes adapter for driver bits for convenient screwdriver function

| Control Cabinet Keys |                  |  |             |  |   |         |
|----------------------|------------------|--|-------------|--|---|---------|
| Part Number          | Number of Pieces | Part Image   | Style       | Lock Types   | Includes  | Price   |
| <b>WT21103</b>       | 3                |   | Cross Style | 5mm double-bit,<br>5mm square,<br>6mm square,<br>8mm square,<br>9mm triangular | cross wrench with 5 key profiles: (1) double bit key (5mm/internal and 9mm/external), (1) triangular 9mm, (3) square (5mm, 6mm, 8mm), (1) 1/4in drive adapter, (1) double-ended driver bit (#1 Phillips, 7mm slotted)   | \$38.00 |
| <b>WT21105</b>       |                  |  | Pen Style   |  | collapsible cross wrench with 5 key profiles: (3) square (5mm, 6mm, 7mm, 8mm), (1) triangular (9mm), (1) double bit key (5mm/internal and 9mm/external); (2) universal 1/4in adapter with magnetic bit holder, (2) double-ended bits (7mm slotted/#2 Phillips and Torx T20/T25) | \$51.75 |

# MEGAPRO Screwdrivers



| MEGAPRO Screwdrivers |                            |         |
|----------------------|----------------------------|---------|
| Part Number          | Description                | Price   |
| <b>211R2C36RD</b>    | 211 Ratcheting Bit Driver  | \$37.00 |
| <b>151NAS</b>        | 151 NAS Bit Driver         | \$23.50 |
| <b>151ELEC</b>       | 151 Electronics Bit Driver | \$32.50 |
| <b>151HX</b>         | 151 Hex Bit Driver         | \$27.00 |
| <b>151AUTO</b>       | 151 Automotive Bit Driver  | \$28.00 |
| <b>151SL44</b>       | 151SL44 Locking Bit Driver | \$30.50 |
| <b>6EXT-SL6</b>      | 6" Extension               | \$12.50 |
| <b>251PRECISION</b>  | 251 Precision Bit Driver   | \$34.00 |

# MEGAPRO Screwdrivers

## 151NAS Screwdriver \$23.50

Custom loaded multi-bit screwdriver with 7 double-ended **S2 steel hex bits** commonly used for everyday tasks. Made in the USA.



| Double-Ended Bits |                      |
|-------------------|----------------------|
| Tool              | Description          |
|                   | Dbl-End Square 0-3   |
|                   | Dbl-End Square 1-2   |
|                   | Dbl-End Phillips 0-3 |
|                   | Dbl-End Phillips 1-2 |
|                   | Dbl-End Flat 4-6     |
|                   | Dbl-End Torx (Star)  |
|                   | Dbl-End Torx (Star)  |

## Features

- The double-ended bit load includes Phillips 0, 1, 2, 3; Square 0, 1, 2, 3; Flat 4, 6; Torx 10, 15, 20, 25
- Industrial grade S2 steel bits perfect for any job
- Shaft serves as a 1/4" Hex Nut Driver
- Retractable cartridge for easy bit access
- Palm-Saver Technology improves comfort in use
- The EZ Guide collar helps maintain full contact between the bit and the screw for easier screw driving
- The Shaft is made of 12T14 alloy steel
- The handle is made from engineered (Ultra-strong) Triax 1120 resin, an ABS-Nylon alloy
- Lifetime warranty\*
- Weight: 0.5 lb.
- Dimensions: 8.74 x 1.4 x 1.4 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bit Handle Storage



## 151ELEC Screwdriver \$32.50

Custom loaded multi-bit screwdriver with 7 double-ended **S2 steel bits** commonly used in the electronic industry. Made in the USA.



| Double-Ended Bits |                           |
|-------------------|---------------------------|
| Tool              | Description               |
|                   | Dbl-End Flat 4-6          |
|                   | Dbl-End Phillips 0-3      |
|                   | Dbl-End Phillips 1-2      |
|                   | Dbl-End Square 1-2        |
|                   | Dbl-End Spanner 6-8       |
|                   | Dbl-End Spanner 10-12     |
|                   | Dbl-End Torx (Star) 10-15 |

## Features

- The double-ended bit load contains, Phillips 0, 1, 2, 3; Flat (slotted) 4, 6; Square (Robertson) 1, 2; Torx pin (Star pin) 10, 15; Spanner 6, 8, 10, 12.
- Industrial grade S2 steel bits perfect for any job.
- Shaft serves as a 1/4" Hex Nut Driver.
- Retractable cartridge for easy bit access.
- Palm-Saver Technology improves comfort in use.
- The EZ Guide collar helps maintain full contact between the bit and the screw for easier screw driving.
- The Shaft is made of 12T14 alloy steel.
- The handle is made from engineered (Ultra-strong) Triax 1120 resin, an ABS-Nylon alloy.
- Lifetime warranty\*
- Weight: 0.5 lb.
- Dimensions: 8.74 x 1.4 x 1.4 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bit Handle Storage



# MEGAPRO Screwdrivers

## 151HX Screwdriver \$27.00

Custom loaded multi-bit screwdriver with 7 double-ended **S2 steel hex bits** commonly used to assemble and repair furniture. Made in the USA.

151HX



| Double-Ended Bits |                       |
|-------------------|-----------------------|
| Tool              | Description           |
|                   | Dbl-End Hex 3/32-7/64 |
|                   | Dbl-End Hex 1/8-9/64  |
|                   | Dbl-End Hex 5/32-3/16 |
|                   | Dbl-End Hex 7/32-1/4  |
|                   | Dbl-End Hex 2.00-3.00 |
|                   | Dbl-End Hex 4.00-5.00 |
|                   | Dbl-End Hex 5.50-6.00 |

## Features

- The double-ended bit load includes 7 double-ended ball bearing bits: Hex (Allen) 2, 3, 4, 5, 5.5, 6, 3/33, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4.
- Industrial grade S2 steel bits perfect for any job.
- Shaft serves as a 1/4" Hex Nut Driver.
- Retractable cartridge for easy bit access.
- Palm-Saver Technology improves comfort in use.
- The EZ Guide collar helps maintain full contact between the bit and the screw for easier screw driving.
- The Shaft is 12T14 alloy steel.
- The handle is made from engineered (Ultra-strong) Triax 1120 resin, an ABS-Nylon alloy.
- Lifetime warranty\*
- Weight: 0.5 lb.
- Dimensions: 8.74 x 1.4 x 1.4 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bit Handle Storage



## 151AUTO Specifications \$28.00

Custom loaded multi-bit screwdriver with 6 double-ended bits and a 1/4" socket adapter commonly used in the automotive industry. Made in the USA.

151AUTO



| Double-Ended Bits |                           |
|-------------------|---------------------------|
| Tool              | Description               |
|                   | Dbl-End Phillips 1-2      |
|                   | Dbl-End Torx (Star) 9-40  |
|                   | Dbl-End Torx (Star) 10-15 |
|                   | Dbl-End Torx (Star) 20-25 |
|                   | Dbl-End Torx (Star) 27-30 |
|                   | Flat 5.5 x Valve Stem Bit |
|                   | 1/4" Socket Adaptor       |

## Features

- The bit load includes Philips 1, 2; Torx (Star) 9, 10, 15, 20, 25, 27, 30, 40; Flat 5.5; Valve Stem; 1/4" Socket adapter; and 1/4" Hex Nut Driver shaft.
- Industrial grade S2 steel bits.
- Shaft serves as a 1/4" Hex Nut Driver.
- Retractable cartridge for easy bit access.
- Palm-Saver Technology improves comfort in use.
- The EZ Guide collar helps maintain full contact between the bit and the screw for easier screw driving.
- The Shaft is made of 12T14 alloy steel.
- The handle is made from engineered (Ultra-strong) Triax 1120 resin, an ABS-Nylon alloy.
- Lifetime warranty\*.
- Weight: 0.5 lb.
- Dimensions: 8.74 x 1.4 x 1.4 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bit Handle Storage



# MEGAPRO Screwdrivers

## 151SL44 Specifications \$30.50

Multi-bit Screwdriver with patented locking mechanism that holds your bit tight. Loaded with the most widely used bits. Made in the USA.



151SL44

| Double-Ended Bits |                               |
|-------------------|-------------------------------|
| Tool              | Description                   |
|                   | Shaftlok Dbl-End Square 0-3   |
|                   | Shaftlok Dbl-End Square 1-2   |
|                   | Shaftlok Dbl-End Phillips 0-3 |
|                   | Shaftlok Dbl-End Phillips 1-2 |
|                   | Shaftlok Dbl-End Flat 4-6     |
|                   | Shaftlok Dbl-End Torx (Star)  |
|                   | Shaftlok Dbl-End Torx (Star)  |

## Features

- The double-ended bit load includes Flat 4, 6; Phillips 0, 1, 2, 3; Square 0, 1, 2, 3; Torx 10, 15, 20, 25.
- Industrial grade S2 steel bits perfect for any job.
- Shaft serves as a 1/4" Hex Nut Driver.
- The ShaftLOK™ bit locking mechanism eliminates the hassle of bits falling out of the shaft when getting partially "stuck" in the fastener as the screwdriver is pulled away.
- The ShaftLOK™ has a 6" extension add-on using the same locking technique for a much longer reach.
- Retractable cartridge for easy bit access.
- Palm-Saver Technology improves comfort in use.
- The EZ Guide collar helps maintain full contact between the bit and the screw for easier screw driving.
- The Shaft is made of 12T14 alloy steel; specially modified S2 Steel.
- The handle is made from engineered (Ultra-strong) Triax 1120 resin, an ABS-Nylon alloy.
- Lifetime warranty.\*
- Weight: 0.5 lb.
- Dimensions: 8.74 x 1.4 x 1.4 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bits Handle Storage



## 6EXT-SL6 Specifications \$12.50

A slim profile 6" extension that locks into the ShaftLOK™ 15-in-1 Multi-Bit Screwdriver. Made with one solid steel piece with .375" (9.6mm) clearance. The Megapro ShaftLOK™ extensions can also be used in power drills and multiple extensions can be locked together for extra long reach.



## Features

- Black Steel Oxide.
- Patented Locking Mechanism.
- Weight: 0.20 lb.
- Dimensions: 6 x 0.375 x 0.375 in.
- Made in USA.



# MEGAPRO Screwdrivers

## 251PRECISION Specification \$34.00

**24 laser engraved Precision bit tips** all in one comfortable driver. Patented Retractable Bit Cartridge and Palm-saver Cap™. Rubberized handle for comfortable use. Made in Taiwan.



251PRECISION

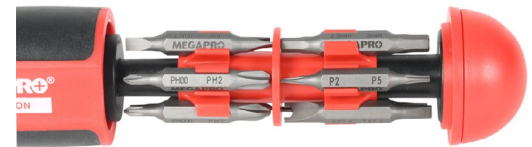
| Double-Ended Bits |   |
|-------------------|---|
| Tool              | Description                               |
|                   | Dbl-End Hex 1.5-2.0                       |
|                   | Dbl-End Hex 2.5-3.0                       |
|                   | Dbl-End Pentalobe 2 - 5                   |
|                   | Dbl-End Phillips 1-000                    |
|                   | Dbl-End Phillips 2-00                     |
|                   | Dbl-End Flat 1.5-2.0                      |
|                   | Dbl-End Flat 2.5-3.0                      |
|                   | Spanner 2.6 - Triangle 2.3                |
|                   | Dbl-End Torx (Star) 3 - Torx (Star) Pin 6 |
|                   | Dbl-End Torx (Star) 4 - Torx (Star) Pin 8 |
|                   | Dbl-End Torx 10 - Phillips 0              |
|                   | Dbl-End Torx (Star) Pin 10-15             |

## Features

- The bit assortment includes: Hex 1.5, 2.0, 2.5, 3.0; Pentalobe 2, 5; Phillips 1, 000, 2, 00, 0; Slot 1.5, 2.0, 2.5, 3.0; Spanner 2.6; Tri-Angle 2.3; Torx 3, 4, 5; Torx tamperproof 6, 8, 10, 15.
- Industrial grade S2 steel bits.
- Retractable cartridge for easy bit access.
- Palm-Saver Technology improves comfort in use.
- Rubber grips on the collar provide even further control and comfort, maximizing speed and efficiency.
- 3-year warranty\*
- Weight: 0.15 lb.
- Dimensions: 6.27 x 1.08 x 1.08 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bit Handle Storage



## 211R2C36RD Specifications \$37.00

Ratcheting multi-bit screwdriver loaded with 12 commonly used double-ended bits. Patented zinc alloy solid-core mechanism that delivers more control and torque. Made in the USA.



211R2C36RD

| Double-Ended Bits |                           |
|-------------------|---------------------------|
| Tool              | Description               |
|                   | Dbl-End Square 1-2        |
|                   | Dbl-End Phillips 0-3      |
|                   | Dbl-End Phillips 1-2      |
|                   | Dbl-End Flat 4-6          |
|                   | Dbl-End Torx (Star) 10-15 |
|                   | Dbl-End Torx (Star) 20-25 |

## Features

- The double-ended bit load includes Phillips 0, 1, 2, 3; Square (Robertson) 1, 2; Flat (Slot) 4, 6; Star (Torx) 10, 15, 20, 25.
- Industrial grade S2 steel bits perfect for any job.
- Shaft serves as a 1/4" Hex Nut Driver.
- Chamfered solid shaft for long life and durability.
- The 28-tooth ratchet with a patented zinc alloy solid-core mechanism gives you greater control and delivers more than 225 in/lbs of torque.
- Cushion grip, tapered designed handle provides extra comfort.
- Retractable cartridge for easy bit access.
- Palm-Saver Technology improves comfort in use.
- The handle is made from engineered (Ultra-strong) Triax 1120 resin, an ABS-Nylon alloy.
- Lifetime warranty\*
- Weight: 0.66 lb.
- Dimensions: 9.84 x 1.97 x 1.97 in.

\* Warranty refers to manufacturer's defects and do not cover normal wear and tear, product abuse, or product modification.

### Bit Handle Storage







# Wera Wrenches

## Insulated Adjustable Wrenches

Wera Joker VDE insulated adjustable wrenches are Individually tested tools as per IEC 60900 at 10,000 V for safe working at the approved voltage of 1,000V. The adjustable VDE spanner continuously and automatically grips all hexagonal sizes in the indicated range of dimensions - metric and imperial. The integrated lever mechanism securely clamps the hexagon screw or bolt between the jaws, which significantly reduces the risk of slippage or damage. The ratchet feature ensures fast and consistent screwdriving without removing the tool. The single-arm design, in conjunction with the ratchet feature and the corner-width prism, makes it possible to work even in confined spaces. Safety is increased by the anti-slip protection at the front end of the handle. The sliding function offers contactless and safe opening of the non-insulated jaws, thereby providing extra protection.




## Features

- Individually tested with insulated handles for safe working up to 1,000 volt, with anti-slip protection and sliding function for contactless and safe opening of the non-insulated jaws
- Automatic and continuous grip of hexagon screws and bolts
- Lever mechanism when gripping avoids slipping and damage
- Fast and consistent screwdriving without removing the wrench thanks to mechanical ratchet function
- Return angle of only 30° through placement in the corner-width rectangular prisms in the mouth



| Insulated Adjustable Ratcheting Combination Wrenches |             |                |                    |                  |  |         |
|--|-------------|----------------|--------------------|------------------|--|---------|
| Part Number  | Wrench Type | Fastening Size | Jaw Thickness      | Overall Length   | Wrench Features  | Price   |
| <a href="#">05020150001</a>                          | Adjustable  | 1/4-3/8in      | 0.30in<br>(7.7mm)  | 4.7in<br>(119mm) | Automatic and continuous self-setting, 30 degree low return angle, and contactless jaw opening feature | \$52.00 |
| <a href="#">05020151001</a>                          |             | 7/16-1/2in     | 0.39in<br>(10.0mm) | 6.1in<br>(155mm) |  | \$57.00 |
| <a href="#">05020152001</a>                          |             | 1/2-5/8in      | 0.49in<br>(12.4mm) | 7.5in<br>(190mm) |  | \$64.00 |
| <a href="#">05020153001</a>                          |             | 5/8-3/4in      | 0.55in<br>(14.0mm) | 8.9in<br>(226mm) |  | \$81.00 |

| Insulated Adjustable Ratcheting Combination Wrench Sets |                  |   |   |          |
|---|------------------|---|---|----------|
| Part Number   | Number of Pieces | Part Image  | Set Includes  | Price    |
| <a href="#">05020170001</a>                             | 4                |  | (4) Joker VDE adjustable wrenches (1/4-3/8in capacity, 7/16-1/2in capacity, 1/2-5/8in capacity, 5/8-3/4in capacity) | \$259.00 |



# Wera Wrenches

## Metric Ratcheting Combination Wrenches

Joker metric combination ratchet wrenches revolutionize the humble wrench. The 12-point open end features a unique 6-point stop plate that enables easier turning of bolts and also provides improved grip for loosening stubborn bolts. The fine tooth ratchet mechanism is exceptional for working in tight spaces. Joker wrenches feature chrome molybdenum steel construction with a nickel-chrome coating for corrosion protection.



| Metric Ratcheting Combination Wrenches |             |                |                |                |   |         |
|--|-------------|----------------|----------------|----------------|---|---------|
| Part Number                            | Wrench Type | Fastening Size | Jaw Thickness  | Overall Length | Wrench Features                                   | Price   |
| <a href="#">05073268055</a>            | Combination | 8mm            | 0.22in (5.5mm) | 9.3in (235mm)  | Special nut holding feature<br>Fine tooth ratchet | \$22.50 |
| <a href="#">05073270055</a>            |             | 10mm           |                | 6.7in (171mm)  |   | \$23.00 |
| <a href="#">05073271055</a>            |             | 11mm           | 0.25in (6.3mm) | 6.3in (159mm)  |   | \$23.50 |
| <a href="#">05073272055</a>            |             | 12mm           | 0.26in (6.6mm) | 7.4in (188mm)  |   | \$24.50 |
| <a href="#">05073273055</a>            |             | 13mm           | 0.28in (7.0mm) | 6.5in (165mm)  |   | \$25.50 |
| <a href="#">05073274055</a>            |             | 14mm           | 0.30in (7.7mm) | 9.7in (246mm)  |   | \$26.50 |
| <a href="#">05073275055</a>            |             | 15mm           | 0.31in (7.8mm) | 8.3in (212mm)  |   | \$27.50 |
| <a href="#">05073276055</a>            |             | 16mm           | 0.32in (8.2mm) | 7.0in (177mm)  |   | \$29.00 |
| <a href="#">05073277055</a>            |             | 17mm           | 0.33in (8.5mm) | 6.5in (165mm)  |   | \$33.00 |
| <a href="#">05073278055</a>            |             | 18mm           | 0.35in (9.0mm) | 6.3in (159mm)  |   | \$34.00 |
| <a href="#">05073279055</a>            |             | 19mm           | 0.37in (9.5mm) | 7.4in (188mm)  |   | \$38.00 |

| Metric Ratcheting Combination Wrench Sets |                  |   |   |          |
|---|------------------|---|---|----------|
| Part Number                               | Number of Pieces | Part Image  | Set Includes  | Price    |
| <a href="#">05073290055</a>               | 4                |  | (4) ratcheting combination wrenches (10, 13, 17 and 19mm), durable cloth pouch                            | \$112.00 |
| <a href="#">05020013055</a>               | 11               |  | (8) ratcheting combination wrenches (8, 10, 11, 12, 13, 14, 15, 16, 17, 18 and 19mm), durable cloth pouch | \$314.00 |



# Wera Wrenches

## Imperial Ratcheting Combination Wrenches

Joker imperial combination ratchet wrenches revolutionize the humble wrench. The 12-point open end features a unique 6-point stop plate that enables easier turning of bolts and also provides improved grip for loosening stubborn bolts. The fine tooth ratchet mechanism is exceptional for working in tight spaces. Joker wrenches feature chrome molybdenum steel construction with a nickel-chrome coating for corrosion protection.



| Imperial Ratcheting Combination Wrenches |             |                |                |                |   |         |
|--|-------------|----------------|----------------|----------------|---|---------|
| Part Number                              | Wrench Type | Fastening Size | Jaw Thickness  | Overall Length | Wrench Features                                   | Price   |
| <a href="#">05073280055</a>              | Combination | 5/16in         | 0.22in (5.5mm) | 5.7in (144mm)  | Special nut holding feature<br>Fine tooth ratchet | \$21.50 |
| <a href="#">05073281055</a>              |             | 3/8in          |                | 7.9in (200mm)  |   | \$23.50 |
| <a href="#">05073282055</a>              |             | 7/16in         | 0.25in (6.3mm) | 5.7in (144mm)  |   | \$24.00 |
| <a href="#">05073283055</a>              |             | 1/2in          | 0.28in (7.0mm) | 4.7in (119mm)  |   | \$24.00 |
| <a href="#">05073284055</a>              |             | 9/16in         | 0.30in (7.7mm) | 9.3in (235mm)  |   | \$25.50 |
| <a href="#">05073285055</a>              |             | 5/8in          | 0.32in (8.2mm) | 7.0in (177mm)  |   | \$28.00 |
| <a href="#">05073286055</a>              |             | 11/16in        | 0.35in (9.0mm) | 9.7in (246mm)  |   | \$32.00 |
| <a href="#">05073287055</a>              |             | 3/4in          | 0.37in (9.5mm) | 8.3in (212mm)  |   | \$35.50 |

| Imperial Ratcheting Combination Wrench Sets |                  |   |   |          |
|---|------------------|---|---|----------|
| Part Number                                 | Number of Pieces | Part Image  | Set Includes  | Price    |
| <a href="#">05073295055</a>                 | 4                |  | (4) ratcheting combination wrenches (7/16, 1/2, 9/16 and 3/4in), durable cloth pouch                        | \$112.00 |
| <a href="#">05020012055</a>                 | 8                |  | (8) ratcheting combination wrenches (5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16 and 3/4in), durable cloth pouch | \$224.00 |



# Wera Ratchets

BE A TOOL REBEL



## Zyklop Metal Ratchet



### Small return angle

The fine 72 tooth ratchet mechanism has a low return angle of 5°. This short stroke allows fast and precise work in small spaces.



### Extremely slim Long leverage

Forged, chrome-molybdenum steel ratchet has no torque limitation and is designed to fit in tight areas.



### Secure socket lock mechanism

The ball lock holds sockets and attachments securely, ensuring safe operation. To release the socket simply press the release button.

| Wera Metal Ratchets and Ratchet Sets |   |         |         |
|--------------------------------------|---|---------|---------|
| Part Number                          | Description   | Pcs/Pkg | Price   |
| <a href="#">05004004055</a>          | Wera Zyklop Metal ratchet, switch lever, 1/4 inch drive, 5 degree return angle, all metal construction, secure socket lock mechanism. | 1       | \$49.00 |
| <a href="#">05004034055</a>          | Wera Zyklop Metal ratchet, switch lever, 3/8 inch drive, 5 degree return angle, all metal construction, secure socket lock mechanism. | 1       | \$56.00 |
| <a href="#">05004064055</a>          | Wera Zyklop Metal ratchet, switch lever, 1/2 inch drive, 5 degree return angle, all metal construction, secure socket lock mechanism. | 1       | \$63.00 |



### Switch Lever

Switch lever for convenient change of direction.





# Zyklop Metal Ratchet and Socket Sets



## 1/4 inch Drive Imperial and Metric Ratchet Sets



| 1/4 inch Drive Metal Ratchet Sets |  |          |
|-----------------------------------|--|----------|
| Part Number                       | Description  | Price    |
| <b>05004021055</b>                | Wera socket set with Zyklop Metal switch lever ratchet, 1/4 inch drive, SAE. 28 pieces. Durable cloth pouch included. Manufacturer part number: 004021.    | \$114.00 |
| <b>05004018055</b>                | Wera socket set with Zyklop Metal switch lever ratchet, 1/4 inch drive, metric. 28 pieces. Durable cloth pouch included. Manufacturer part number: 004018. | \$114.00 |

Note: Screwdriver bits and bit-holders are warranted against manufacturer defect only.



Wera socket set with Zyklop Metal switch lever ratchet, 1/4 inch drive, SAE, 28 pieces. Includes the pieces listed in the table below.



Wera socket set with Zyklop Metal switch lever ratchet, 1/4 inch drive, metric, 28 pieces. Includes the pieces listed in the table below.

| 05004021055 Contents |                           |  |
|----------------------|---------------------------|--|
|                      | 1/4 Zyklop Metal ratchet  |  |
|                      | 6-point socket, 23mm long | 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 |
|                      | Extension                 | 1/4 x 150  |
|                      | Wobble Extension          | 1/4 x 56   |
|                      | Bit adapter               | 1/4 x 1/4 x 37                                     |
|                      | Hex-Plus bit, 25mm long   | 3, 4, 5, 6   |
|                      | Phillips bit, 25mm long   | PH1, PH2, PH3                                      |
|                      | Posidriv® bit, 25mm long  | PZ1, PZ2   |
|                      | Torx® bit, 25mm long      | TX10, TX15, TX20, TX25, TX27, TX30                 |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.

| 05004018055 Contents |                           |                                    |
|----------------------|---------------------------|------------------------------------|
|                      | 1/4 Zyklop Metal ratchet  |                                    |
|                      | 6-point socket, 23mm long | 5, 5.5, 6, 7, 8, 10, 11, 12, 13    |
|                      | Extension                 | 1/4 x 150                          |
|                      | Wobble Extension          | 1/4 x 56                           |
|                      | Bit adapter               | 1/4 x 1/4 x 37                     |
|                      | Hex-Plus bit, 25mm long   | 3, 4, 5, 6                         |
|                      | Phillips bit, 25mm long   | PH1, PH2, PH3                      |
|                      | Posidriv® bit, 25mm long  | PZ1, PZ2                           |
|                      | Torx® bit, 25mm long      | TX10, TX15, TX20, TX25, TX27, TX30 |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.





# Zyklop Metal Ratchet and Socket Sets



## 3/8 inch Drive Imperial and Metric Ratchet Sets



| 3/8 inch Drive Metal Ratchet Sets |   |          |
|-----------------------------------|---|----------|
| Part Number                       | Description   | Price    |
| <b>05004051055</b>                | Wera socket set with Zyklop Metal switch lever ratchet, 3/8 inch drive, SAE. 29 pieces. Durable cloth pouch included. Manufacturer part number 004051.    | \$147.00 |
| <b>05004048055</b>                | Wera socket set with Zyklop Metal switch lever ratchet, 1/2 inch drive, metric. 28 pieces. Durable cloth pouch included. Manufacturer part number 004078. | \$147.00 |

Note: Screwdriver bits and bit-holders are warranted against manufacturer defect.



Wera socket set with Zyklop Metal switch lever ratchet, 3/8 inch drive, SAE, 29 pieces. Includes the pieces listed in the table below.



Wera socket set with Zyklop Metal switch lever ratchet, 3/8 inch drive, metric, 29 pieces. Includes the pieces listed in the table below.

| 05004051055 Contents |                          |   |
|----------------------|--------------------------|---|
|                      | 3/8 Zyklop Metal ratchet |   |
|                      | 6-point socket           | 1/4 x 29, 5/16 x 29, 3/8 x 29, 7/16 x 29, 1/2 x 29, 9/16 x 29, 5/8 x 30, 11/16 x 30, 3/4 x 30 |
|                      | Extension                | 3/8 x 200   |
|                      | Wobble Extension         | 3/8 x 76  |
|                      | Bit adaptor              | 3/8 x 1/4 x 44  |
|                      | Hex-plus bit, 25mm long  | 5/32, 3/16, 7/32, 1/4, 5/16   |
|                      | Phillips bit, 25mm long  | PH1, PH2, PH3   |
|                      | Posidriv® bit, 25mm long | PZ1, PZ2  |
|                      | Torx® bit, 25mm long     | TX 15, TX 20, TX 25, TX 27, TX 30, TX 40  |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.

| 05004048055 Contents |                          |  |
|----------------------|--------------------------|--|
|                      | 3/8 Zyklop Metal ratchet |  |
|                      | 6-point socket           | 8 x 29, 10 x 29, 12 x 29, 13 x 29, 15 x 29, 16 x 30, 17 x 30, 18 x 30, 19 x 30 |
|                      | Extension                | 3/8 x 200  |
|                      | Wobble Extension         | 3/8 x 76   |
|                      | Bit adaptor              | 3/8 x 1/4 x 44   |
|                      | Hex-Plus bit, 25mm long  | 3, 4, 5, 6, 8  |
|                      | Phillips bit, 25mm long  | PH1, PH2, PH3  |
|                      | Posidriv® bit, 25mm long | PZ1, PZ2   |
|                      | Torx® bit, 25mm long     | TX 15, TX 20, TX 25, TX 27, TX 30, TX 40                                       |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.



# Zyklop Metal Ratchet and Socket Sets



## 1/2 inch Drive Imperial and Metric Ratchet Sets



| 1/2 inch Drive Metal Ratchet Sets |   |          |
|-----------------------------------|---|----------|
| Part Number                       | Description   | Price    |
| <b>05004081055</b>                | Wera socket set with Zyklop Metal switch lever ratchet, 1/2 inch drive, SAE. 28 pieces. Durable cloth pouch included. Manufacturer part number 004081.    | \$214.00 |
| <b>05004078055</b>                | Wera socket set with Zyklop Metal switch lever ratchet, 1/2 inch drive, metric. 28 pieces. Durable cloth pouch included. Manufacturer part number 004078. | \$214.00 |

Note: Screwdriver bits and bit-holders are warranted against manufacturer defect.



Wera socket set with Zyklop Metal switch lever ratchet, 1/2 inch drive, SAE, 28 pieces. Includes the pieces listed in the table below.



Wera socket set with Zyklop Metal switch lever ratchet, 1/2 inch drive, metric, 28 pieces. Includes the pieces listed in the table below.

| 05004081055 Contents |                           |  |
|----------------------|---------------------------|--|
|                      | 1/2 Zyklop Metal ratchet  |  |
|                      | 6-point socket, 37mm long | 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16 |
|                      | Extension                 | 1/2 x 250  |
|                      | Wobble Extension          | 1/2 x 52   |
|                      | Bit adaptor               | 1/2 x 5/16 x 50  |
|                      | Hex-Plus bit, 30mm long   | 7/32, 1/4, 5/16, 3/8                                       |
|                      | Phillips bit, 32mm long   | PH2, PH3   |
|                      | Torx® bit, 35mm long      | TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55             |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.

| 05004078055 Contents |                           |  |
|----------------------|---------------------------|--|
|                      | 1/2 Zyklop Metal ratchet  |  |
|                      | 6-point socket, 37mm long | 10, 11, 12, 13, 14, 15, 16, 17, 18, 19         |
|                      | Extension                 | 1/2 x 250                                      |
|                      | Wobble Extension          | 1/2 x 52                                       |
|                      | Bit adaptor               | 1/2 x 5/16 x 50                                |
|                      | Hex-Plus bit, 30mm long   | 5, 6, 8, 10                                    |
|                      | Phillips bit, 32mm long   | PH2, PH3                                       |
|                      | Torx® bit, 35mm long      | TX20, TX25, TX27, TX30, TX40, TX45, TX50, TX55 |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.





## Zyklop Speed Ratchet



### Small return angle

The fine 72 tooth ratchet mechanism has a low return angle of 5°. This short stroke allows fast and precise work in small spaces.



### Swivel ratchet head

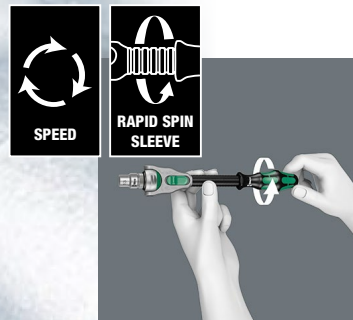
The ratchet head pivots freely and locks at 0°, 15° and 90°, making it possible to work in confined spaces with ample hand clearance.



### Simple direction change

Rotating the large thumbwheel quickly changes rotation from clockwise to counterclockwise from any position of the ratchet head.

| Wera Speed Ratchets         |   |         |
|-----------------------------|---|---------|
| Part Number                 | Description   | Price   |
| <a href="#">05003500055</a> | Wera Zyklop Speed ratchet, 1/4 inch drive, with locking swivel head and ergonomic grip handle. Manufacturer part number 003500. | \$81.00 |
| <a href="#">05003550055</a> | Wera Zyklop Speed ratchet, 3/8 inch drive, with locking swivel head and ergonomic grip handle. Manufacturer part number 003550. | \$90.00 |
| <a href="#">05003600055</a> | Wera Zyklop Speed ratchet, 1/2 inch drive, with locking swivel head and ergonomic grip handle. Manufacturer part number 003600. | \$99.00 |



### Unbelievably fast

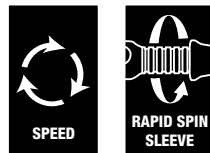
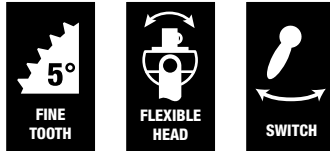
The gyrating mass design along with the Kraftform handle and free-turning sleeve allow for rapid rotation when used as a screwdriver.



# Zyklop Speed Ratchet and Socket Sets



## 1/4 inch Drive Metric Ratchet Sets



| 1/4 inch Drive Metric Ratchet Sets   |   |          |
|--|---|----------|
| Part Number  | Description   | Price    |
| <b>05051045055</b>   | Wera driver bit and socket set with Zyklop Speed ratchet, 1/4 inch drive, metric, 26 pieces. Durable cloth pouch included. Manufacturer part number 051045. | \$134.00 |
| Note: Screwdriver bits and bit-holders are warranted against manufacturer defect only. |   |          |



Wera driver bit and socket set with Zyklop Speed ratchet, 1/4 inch drive, metric, 26 pieces. Includes the pieces listed in the table below.

| 05051045055 Contents |                          |                                    |
|----------------------|--------------------------|------------------------------------|
|                      | 1/4 Zyklop Speed ratchet |                                    |
|                      | 6-point socket           | 5.5, 6, 7, 8, 10, 12, 13           |
|                      | Lockable extension       | 1/4 x 150                          |
|                      | Bit adaptor              | 1/4 x 37                           |
|                      | Slotted bit              | 1.0 x 5.5 x 50                     |
|                      | Hex-Plus bit, 50mm long  | 3, 4, 5, 6                         |
|                      | Phillips bit, 50mm long  | PH1, PH2, PH3                      |
|                      | Posidriv® bit, 50mm long | PZ1, PZ2                           |
|                      | Torx® bit, 50mm long     | TX10, TX15, TX20, TX25, TX30, TX40 |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.



## Zyklop Mini Ratchet

The Wera Zyklop mini bit ratchet is designed for easy, flexible fastening using 1/4" bits and sockets. Its compact design features a small 6° return angle, a thumbwheel for quick operation and a switch lever for convenient direction change. It's constructed of chrome vanadium steel with a brushed chrome-plated finish for corrosion protection.

| Wera Zyklop Mini Bit Ratchet |  |         |
|------------------------------|--|---------|
| Part Number                  | Description  | Price   |
| <b>05073230055</b>           | Wera Zyklop Mini bit ratchet, 1/4 inch drive, 6 degree return angle. Adapter for 1/4-inch sockets included. Manufacturer part number 073230. | \$38.50 |



Thumbwheel



Switch Lever



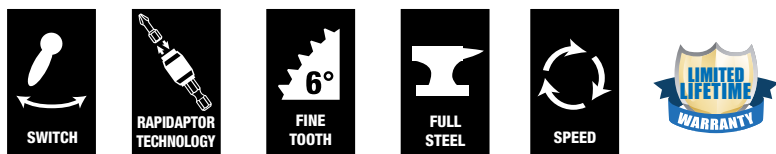
Small return angle



# Wera Zyklop Mini Bit Ratchet Sets

| Zyklop Mini Bit Ratchet Sets |  |          |
|------------------------------|--|----------|
| Part Number                  | Description  | Price    |
| <b>05073220055</b>           | Wera Tool-Check driver bit and socket set with Zyklop Mini bit ratchet, 1/4 inch drive, metric. 38 pieces. Plastic case included. Manufacturer part number 073220. | \$108.00 |
| <b>05056491001</b>           | Wera Tool-Check standard socket and driver bit set, 39 pieces, 1in bit length, 1/4in drive, imperial.  | \$113.00 |
| <b>TW-DB-SET-28R</b>         | Wera Bit-Check driver bit set with Zyklop Mini bit ratchet, 1/4 inch drive, SAE. 31 pieces. Plastic case included. Manufacturer part number 346293.                | \$81.00  |

Note: Screwdriver bits are warranted against manufacturer defect.



Wera Tool-Check driver bit and socket set with Zyklop Mini bit ratchet, 1/4 inch drive, SAE, 38 pieces. Includes the pieces listed in the table below.

Wera Bit-Check driver bit set with Zyklop Mini bit ratchet, 1/4 inch drive, SAE, 31 pieces. Includes the pieces listed in the table below.

Wera Tool-Check PLUS Imperial standard socket and driver bit set with mini bit ratchet; 1/4in drive, and Kraffform screwdriver handle. Includes the pieces listed in the table below:

| 05073220055 Contents |                                   |                                      |
|----------------------|-----------------------------------|--------------------------------------|
|                      | Zyklop Mini bit ratchet           |                                      |
|                      | Rapidaptor bit holder             | 1/4 x 50                             |
|                      | 1/4 socket adaptor                | 1/4 x 25                             |
|                      | Slotted                           | 1.0 x 5.5 x 25                       |
|                      | Hex-Plus bit, 25mm long           | 3, 4, 5, 6, 8                        |
|                      | Phillips bit, 25mm long           | (2) PH1, (3) PH2, PH3                |
|                      | Torx® bit, 25mm long              | TX10, TX15, TX20, TX25, TX30, TX40   |
|                      | Tamper-proof Torx® bit, 25mm long | TX10, TX15, TX20, TX25, TX30         |
|                      | Posidriv® bit, 25mm long          | PZ1, (3) PZ2, PZ3                    |
|                      | 6-point socket                    | 5.5, 6.0, 7.0, 8.0, 10.0, 12.0, 13.0 |

| TW-DB-SET-28R Contents |                                  |                                    |
|------------------------|----------------------------------|------------------------------------|
|                        | Zyklop Mini bit ratchet          |                                    |
|                        | 1/4 Rapidaptor bit holder        | 1/4 x 50                           |
|                        | 1/4 socket adaptor               | 1/4 x 25                           |
|                        | Phillips bit, 25mm long          | (2) PH1, (3) PH2, PH3              |
|                        | Torx® bit, 25mm long             | TX10, TX15, TX20, TX25, TX30, TX40 |
|                        | Tamperproof Torx® bit, 25mm long | TX10, TX15, TX20, TX25, TX30       |
|                        | Slotted bit                      | 1.0 x 5.5 x 25                     |
|                        | Hex-Plus bit, 25mm long          | 3/32, 1/8, 5/32, 3/16, 1/4         |
|                        | Square bit, 25mm long            | #1, (3) #2, #3                     |

| 05056491001 Contents |                                  |  |
|----------------------|----------------------------------|--|
|                      | Zyklop Mini bit ratchet          |  |
|                      | 1/4 Rapidaptor bit holder        | 1/4 x 50                               |
|                      | 1/4 socket adaptor               | 1/4 x 25                               |
|                      | Phillips bit, 25mm long          | (2) PH1, (3) PH2, PH3                  |
|                      | Torx® bit, 25mm long             | TX10, TX15, TX20, TX25, TX30, TX40     |
|                      | Tamperproof Torx® bit, 25mm long | TX10, TX15, TX20, TX25, TX30           |
|                      | Slotted bit                      | 1.0 x 5.5 x 25                         |
|                      | Hex-Plus bit, 25mm long          | 3/32, 1/8, 5/32, 3/16, 1/4             |
|                      | 6-point socket                   | 3/16, 1/4, 5/16, 11/32, 3/8, 7/16, 1/2 |

Note: Fractional dimensions are in inches. Whole and decimal dimensions are in millimeters.

# Wera Zyklop Pocket Sets

## Overview

Compact Zyklop ratchet with bit magazine for the pocket. Magnetic direct mounting for 1/4" bits and 3/8" sockets. Rapid tool change thanks to the non-locking mounting. As the head is lockable at 0°, 15° and 90°, the tool can be used as a ratchet and as a ratchet screwdriver. The fine tooththing with 72 teeth allows for a low return angle of 5°. Wide range of applications thanks to 12 bits integrated in the handle. The robust ratchet mechanism allows for ample torque. Perfect combination of a Zyklop ratchet with a 12-piece screwdriver set. The 75 mm long universal holder for 1/4" bits can be used as an extension. Including sockets in the most common imperial or metric dimensions. One robust textile holster to be attached to the belt and docked onto the Wera 2go system.



## Features

- Compact Zyklop ratchet with integrated bit magazine
- The magnetic direct mounting simultaneously turns the 3/8" ratchet into a bit ratchet screwdriver with 1/4" bit mounting
- Freely pivoting ratchet head with 5 predefined locking positions
- Fine tooth reversible ratchet (72 teeth) for a low return angle of only 5°
- Captive and freely swivelling bit magazine for easy removal and secure storage of the bits



| Zyklop Pocket Sets          |                  |       |   |          |
|-----------------------------|------------------|-------|---|----------|
| Part Number                 | Number of Pieces | Image | Set Includes  | Price    |
| <a href="#">05004281001</a> | 18               |       | (1) Zyklop pocket ratchet with bit storage handle, (1) 1/4in universal bit holder extension, (12) 1in standard bits (Phillips: #1, #2, Poizidriv: #1, #2, torx: T10, T15, T20, T25, hex: 3mm, 4mm, 5mm, 6mm), (3) Zyklop 3/8in sockets (8mm, 10mm, 13mm), (1) Zyklop pocket holster             | \$148.00 |
| <a href="#">05004283001</a> | 18               |       | (1) Zyklop pocket ratchet with bit storage handle, (1) 1/4in universal bit holder extension, (12) 1in standard bits (Phillips: #1, #2, torx: T10, T15, T20, T25, hex: 1/8in, 5/32in, 3/16in, 1/4in, square: #1, #2), (3) Zyklop 3/8in sockets (5/16in, 3/8in, 1/2in), (1) Zyklop pocket holster | \$148.00 |





# CH Ellis Tool Cases

## Rolling Tool Case

Made in America



**Removable Tool Pallets**

## Features

- High Density Polyethylene, 25% thicker than standard cases
- Includes 40 inch locking telescoping handle, replaceable
- 3" diameter edgecaster wheels, replaceable
- Wide temperature range -40°F to +185°F
- Resists gasoline, chemicals and most solvents
- 8 external protective bumpers to protect hardware and contents
- Gasketed tongue-and-groove frame resists moisture and dirt
- 2 quarter-turn military style latches that resist lateral movement
- 2 padlock loops for optional TSA padlock
- 2 spring-loaded handles
- 2 mechanical lid stays to hold lid open, built-in feet, full piano hinge
- Ribbing increases strength of plastic case
- Plenty of room in base for extra items such as meters, drills, soldering iron or spare parts boxes

| Part Number | Description   | Weight (lbs) | Price    |
|-------------|---|--------------|----------|
| CH958586    | High-impact plastic, 19.0 x 16.0 x 13.0 in., 50 compartments. | 14           | \$380.00 |

| Specifications |                        |
|----------------|------------------------|
| Parameter      | Description            |
| External Dims  | 19.0 x 16.0 x 13.0 in. |
| Internal Dims  | 18.0 x 15.0 x 12.0 in. |
| Color          | Black                  |

# C.H. Ellis CH Ellis Tool Cases

## Hardcase Tool Carrying Case

Made in America



Base Depth - 5.00" Lid Depth - 4.00"



Removable Tool Pallets

## Features

- High Density Polyethylene 25% thicker than standard cases
- Top and bottom removable pocket panels, 50 slot/pocket total
- Wide temperature range -40°F to +185°F
- Resists gasoline, chemicals and most solvents
- 8 external protective bumpers to protect hardware and contents
- Gasketed tongue-and-groove frame resists moisture and dirt
- 2 quarter-turn military style, resist lateral movement
- 2 padlock loops for optional TSA padlock
- Spring-loaded handle
- Full length piano hinge
- 2 mechanical lid stays to hold lid open
- Built-in feet
- Ribbed case for increased durability
- Plenty of room in base for extra items such as meters, drills, soldering iron or spare parts boxes

| Part Number | Description   | Weight (lbs) | Price    |
|-------------|---|--------------|----------|
| CH958583    | High-impact plastic, 19.0 x 16.0 x 10.5 in., 50 compartments. | 11           | \$288.00 |

| Specifications |                        |
|----------------|------------------------|
| Parameter      | Description            |
| External Dims  | 19.0 x 16.0 x 10.5 in. |
| Internal Dims  | 18.0 x 15.0 x 9.0 in.  |
| Color          | Black                  |



# C.H. Ellis CH Ellis Tool Cases

## Attache' Tool Case



Base Depth - 3.50" Lid Depth - 2.50"

**Made in America**



**Removable Tool Pallets**

### Features

- Hi impact plastic shell with molded in feet
- Resists gasoline, most chemicals and solvents.
- Temperature range: -40°F to +185°F
- Ribbed case provides additional strength
- Mill aluminum valance with tongue-and-groove frame, resists water and dirt intrusion
- Top and bottom panels (replaceable), 50 tool pockets total
- Full length piano hinge
- 2 mechanical lid stays to hold case open while working
- Comes with padded handle and two keyed chrome latches
- Case includes document pouch in lid

| Part Number | Description   | Weight (lbs) | Price    |
|-------------|---|--------------|----------|
| CH958570    | High-impact plastic, 18.0 x 13.5 x 6.5 in. 50 compartments. | 6            | \$227.00 |

| Specifications |                       |
|----------------|-----------------------|
| Parameter      | Description           |
| External Dims  | 18.0 x 13.5 x 6.5 in. |
| Internal Dims  | 17.5 x 12.5 x 6.0 in. |
| Color          | Black                 |



# CH Ellis Tool Cases

## Mechanic's Tool Bag



Side Pocket w/Snapping Flap



Interior Pockets

### Features

- Black ballistic nylon bag
- 2 strap-style carry handles
- D-rings for optional shoulder strap
- 3 exterior pockets on each side, (a 5.88" middle pocket, bordered by 2" pockets; each 4.50" deep) with a 2-snap cover flap
- 4 interior pockets on each side (1.25" wide and 3.50" deep)
- Roomy interior for tools, meters or spare parts
- Stores easily in desk, case, or drawer

| Part Number | Description  | Weight (lbs) | Price   |
|-------------|--|--------------|---------|
| CH037071D   | Mechanic Tool Bag, 12.0 x 6.0 x 6.0 in., made of nylon cloth with 14 tool compartments | 6            | \$41.00 |

| Specifications |                      |
|----------------|----------------------|
| Parameter      | Description          |
| External Dims  | 12.0 x 6.0 x 6.0 in. |
| Internal Dims  | 12.0 x 6.0 x 6.0 in. |
| Color          | Black                |



## Electrician's Shoulder Pouch

### Features



**BAGESP**

- Lightweight, durable bag that can be carried, slung over your shoulder or attached to a belt.
- Constructed from 2400d ballistic weave for durability
- 11 inside and 5 outside pockets for a total of 16 tool storage pockets
- Side pocket with Flip Lid™ Spill Guard provides secure easy access to small parts such as wire nuts or screws
- Electrical Tape Strap
- Adjustable Hammer/Flashlight Loop
- 3 different carrying options:  
 Padded shoulder strap,  
 Tunnel loop for belt access, or  
 Padded carry handle
- Two rubber feet keep it stable when setting on a workbench or out on the factory floor.

| <b>Part Number</b> | <b>Description</b>  | <b>Weight (lbs)</b> | <b>Price</b> |
|--------------------|---|---------------------|--------------|
| <b>BAGESP</b>      | Southwire tool bag, 2400 denier ballistic weave nylon, 16 compartments. | 2                   | \$44.00      |

# **RUKO** Tools – Step Drill Bits



**101701**



**101701T**



**101701E**



**101702T**

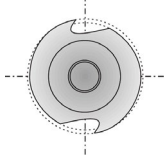
## Split Point Step Drills

The spiral flutes of RUKO high-performance step drills are CBN-ground from the solid hardened form. Because CBN (cubical boron nitride) is a much harder abrasive than even silicon carbide or corundum, a better and sharper cutting edge is achieved without burrs. Because of this higher dimensional precision, the drills will last considerably longer while maintaining precise process tolerances. Drill bits are available in High Speed Steel, Cobalt 5 alloy High Speed Steel and Titanium Nitride-coated High Speed Steel. HSS-Co5 bits are the best choice for cutting stainless steels. The added titanium nitride coating increases the surface hardness to approximately 2300 HV and the heat resistance to 1100°F (600°C).

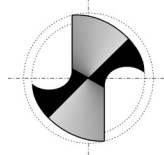
## Features

What makes these step drills special?

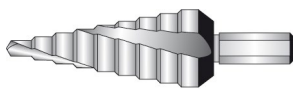
- CBN-ground flutes without burrs mean a superior cutting edge and longer tool life.
- Each step has a radially adjusted relief produced by CBN grinding, relating directly to the diameter of the step, so the cutting edge is always the highest point of the diameter.
- Each step is axially CBN relief-ground, meaning the cutting edge is also the highest point of the axial cutting axis.
- The cutting edge of each step has relief angle, meaning the cutting edge is also the highest point in advance direction.
- The CBN-ground point ensures centering and spot-drilling, even in thin-walled material.
- Point Cut: split point DIN 1412 C
- Point angle: 118°
- Step angle: 90°
- Right-hand cutting



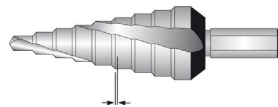
Radially adjusted relief produced by CBN grinding



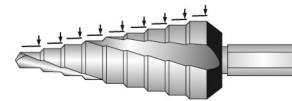
CBN-ground bit with split point DIN 1412C



CBN-ground flute

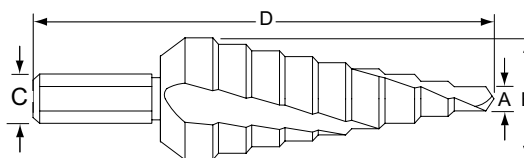


Axial relief produced by CBN grinding



CBN-ground relief angle

| Self-Starting Step Drill Bits |                               |            |         |                              |            |         |                         |            |         |               |   |                              |                              |                              |                              |
|-------------------------------|-------------------------------|------------|---------|------------------------------|------------|---------|-------------------------|------------|---------|---------------|---|------------------------------|------------------------------|------------------------------|------------------------------|
| Fractional                    | Part #<br>High Speed<br>Steel | Pcs<br>/Pk | Price   | Part #<br>Titanium<br>Coated | Pcs<br>/Pk | Price   | Part #<br>Cobalt 5      | Pcs<br>/Pk | Price   | Drill<br>Size | Steps                                   | Min Drill<br>Size<br>A (in.) | Max Drill<br>Size<br>B (in.) | Shank<br>Diameter<br>C (in.) | Overall<br>Length<br>D (in.) |
|                               | <a href="#">101701</a>        | 1          | \$20.50 | <a href="#">101701T</a>      | 1          | \$34.50 | <a href="#">101701E</a> | 1          | \$29.00 | 1             | 3/16" to 1/2" in 1/16" increments       | 3/16                         | 1/2                          | 1/4                          | 3-1/8                        |
|                               | <a href="#">101702</a>        | 1          | \$24.00 | <a href="#">101702T</a>      | 1          | \$37.50 | <a href="#">101702E</a> | 1          | \$33.50 | 2             | 1/8" to 1/2" in 1/32" increments        | 1/8                          | 1/2                          | 1/4                          | 2-7/8                        |
|                               | <a href="#">101703</a>        | 1          | \$29.50 | <a href="#">101703T</a>      | 1          | \$47.00 | <a href="#">101703E</a> | 1          | \$41.00 | 3             | 1/4" to 3/4" in 1/16" increments        | 1/4                          | 3/4                          | 3/8                          | 2-7/8                        |
|                               | <a href="#">101704</a>        | 1          | \$40.00 | <a href="#">101704T</a>      | 1          | \$53.00 | <a href="#">101704E</a> | 1          | \$46.00 | 4             | 3/16" to 7/8" in 1/16" increments       | 3/16                         | 7/8                          | 3/8                          | 3-1/4                        |
|                               | <a href="#">101705</a>        | 1          | \$40.50 | <a href="#">101705T</a>      | 1          | \$56.00 | <a href="#">101705E</a> | 1          | \$48.50 | 5             | 13/32", 9/16" to 1" in 1/16" increments | 1/4                          | 1                            | 3/8                          | 3-1/16                       |
|                               | <a href="#">101706</a>        | 1          | \$57.00 | <a href="#">101706T</a>      | 1          | \$88.00 | <a href="#">101706E</a> | 1          | \$78.00 | 6             | 7/8", 1-1/8", 1-7/32", 1-1/4", 1-3/8"   | 1/4                          | 1-3/8                        | 3/8                          | 3                            |
|                               | <a href="#">101707</a>        | 1          | Retired | <a href="#">101707T</a>      | 1          | Retired | <a href="#">101707E</a> | 1          | Retired | 7             | 3/8", 1/2"                              | 3/16                         | 1/2                          | 1/4                          | 1-7/8                        |
|                               | <a href="#">101708</a>        | 1          | \$35.50 | <a href="#">101708T</a>      | 1          | \$49.50 | not available           | -          | -       | 8             | 7/8"                                    | 11/64                        | 7/8                          | 3/8                          | 2                            |
|                               | <a href="#">101709</a>        | 1          | \$46.00 | <a href="#">101709T</a>      | 1          | \$73.00 | <a href="#">101709E</a> | 1          | \$63.00 | 9             | 7/8", 1-1/8"                            | 1/4                          | 1-1/8                        | 3/8                          | 2-7/16                       |



Spiral flute step drill bit



# Tools – Black & Gold Jobber Length Drill Bits



228807

## Application

Use black & gold HSS-Co5 drills for:

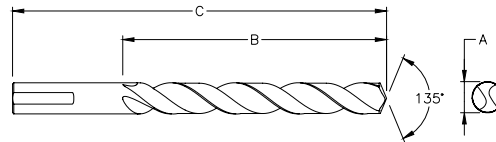
- Alloyed and unalloyed steel (up to strength of 1200 N/mm2)
- Steel resistant to rust and acid
- Cast iron
- Aluminum
- Aluminum alloys
- Copper
- Brass and bronze

## Black & Gold Drills

These high performance twist drills are suitable for all normal drilling in conventional materials. High Speed Steel bits with 5% Cobalt alloy (HSS-Co5) and a black oxide surface treatment on the bevel decreases cutting forces and increases wear resistance of the bit.

## Features

RUKO black & gold drills 5/32 and larger feature a 3-surface shank that helps align the bit in the chuck and eliminates bit spinning to provide ideal power transmission. A 135° cutting edge precisely aligns the bit and helps prevent drill bit walking. The black oxide surface treatment on the bevel increases wear resistance, preventing cold welding and edge build up and helps reduce current draw on the machine. The 40° helix angle enables fast chip removal and allows a high cutting speed with bit stability.



Jobber length drill bit

- Point Cut: from 1/16" dia. with split point DIN 1412 C
- Shank: 5/32 and larger, three-surface shank
- Point angle: 135°
- Helix angle: 40°
- Right hand cutting

| Jobber Length Drill Bits - Fractional Sizes |             |         |                                |                     |                              |                                |                            |
|---|-------------|---------|--------------------------------|---------------------|------------------------------|--------------------------------|----------------------------|
| Part #<br>Black and Gold<br>HSS-Co5         | Pcs/<br>Pkg | Price   | Drill Size<br>(Gauge)<br>(in.) | Ø Size (A)<br>(in.) | Flute Length<br>(B)<br>(in.) | Overall Length<br>(C)<br>(in.) | For<br>Tapping<br>Use With |
| 228801                                      | 10          | Retired | 1/16                           | 0.0625              | 7/8                          | 1-7/8                          |                            |
| 228802                                      | 10          | Retired | 5/64                           | 0.0781              | 1                            | 2                              |                            |
| 228803                                      | 10          | Retired | 3/32                           | 0.0938              | 1 1/4                        | 2-1/4                          |                            |
| 228804                                      | 10          | Retired | 7/64                           | 0.1094              | 1 1/2                        | 2-5/8                          |                            |
| 228805                                      | 10          | Retired | 1/8                            | 0.1250              | 1-5/8                        | 2-3/4                          |                            |
| 228806                                      | 10          | Retired | 9/64                           | 0.1406              | 1-3/4                        | 2-7/8                          |                            |
| 228807                                      | 10          | Retired | 5/32                           | 0.1562              | 2                            | 3-1/8                          |                            |
| 228808                                      | 10          | Retired | 11/64                          | 0.1719              | 2-1/8                        | 3-1/4                          |                            |
| 228809                                      | 10          | Retired | 3/16                           | 0.1875              | 2-5/16                       | 3-1/2                          |                            |
| 228810                                      | 10          | Retired | 13/64                          | 0.2031              | 2-7/16                       | 3-5/8                          |                            |
| 228811                                      | 10          | Retired | 7/32                           | 0.2188              | 2-1/2                        | 3-3/4                          |                            |
| 228812                                      | 10          | Retired | 15/64                          | 0.2344              | 2-5/8                        | 3-7/8                          |                            |
| 228813                                      | 10          | Retired | 1/4                            | 0.2500              | 2-3/4                        | 4                              |                            |
| 228814                                      | 10          | Retired | 17/64                          | 0.2656              | 2-7/8                        | 4-1/8                          |                            |
| 228815                                      | 10          | Retired | 9/32                           | 0.2813              | 2-15/16                      | 4-1/4                          |                            |
| 228816                                      | 10          | Retired | 19/64                          | 0.2969              | 3-1/16                       | 4-3/8                          |                            |
| 228817                                      | 10          | Retired | 5/16                           | 0.3125              | 3-3/16                       | 4-1/2                          | 265038UNC                  |
| 228818                                      | 10          | Retired | 21/64                          | 0.3281              | 3-5/16                       | 4-5/8                          |                            |
| 228819                                      | 10          | Retired | 11/32                          | 0.3438              | 3-7/16                       | 4-3/4                          |                            |
| 228820                                      | 10          | Retired | 23/64                          | 0.3594              | 3-1/2                        | 4-7/8                          |                            |
| 228821                                      | 10          | Retired | 3/8                            | 0.3750              | 3-5/8                        | 5                              |                            |
| 228822                                      | 10          | Retired | 25/64                          | 0.3906              | 3-3/4                        | 5-1/8                          |                            |
| 228823                                      | 10          | Retired | 13/32                          | 0.4062              | 3-7/8                        | 5-1/4                          |                            |
| 228824                                      | 5           | Retired | 27/64                          | 0.4219              | 3-15/16                      | 5-3/8                          |                            |
| 228825                                      | 5           | Retired | 7/16                           | 0.4375              | 4-1/16                       | 5-1/2                          |                            |
| 228826                                      | 5           | Retired | 29/64                          | 0.4531              | 4-3/16                       | 5-5/8                          |                            |
| 228827                                      | 5           | Retired | 15/32                          | 0.4688              | 4-5/16                       | 5-3/4                          |                            |
| 228828                                      | 5           | Retired | 31/64                          | 0.4844              | 4-3/8                        | 5-7/8                          |                            |
| 228829                                      | 5           | Retired | 1/2                            | 0.5000              | 4-1/2                        | 6                              |                            |

Fractional





# Tools – Jobber Length Drill Bits



214816

## Jobber Length Drills

These high performance twist drills are suitable for all normal drilling in conventional materials. Drill bits are available in High Speed Steel (HSS), High Speed Steel with 5% Cobalt alloy (HSS-Co5) and Titanium Nitride-coated High Speed Steel (HSS-TiN).

- Point Cut: 1/8" dia. with split point DIN 1412 C
- Point angle: 118° HSS & HSS-TiN / 135° HSS-Co5
- Helix angle: 20° to 30°
- Right hand cutting

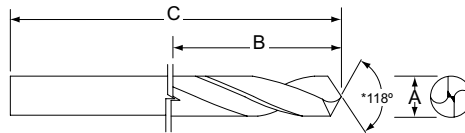
## Features

The HSS ground twist drill is made of heavy-duty high-speed steel. The fully ground twist drill has a more precise concentricity. HSS-Co5 drills are ideally suited for materials that are especially difficult to drill such as stainless steel and for higher chip loading. HSS-TiN models add a titanium nitride coating to increase the surface hardness to approximately 2300 HV and the heat resistance to 1100°F (600°C). This also provides longer tool life with increased cutting speeds.

## Application

Use HSS, HSS-Co5 and HSS-TiN coated drills for:

- Steel and stainless steel
- Alloyed and unalloyed cast iron (up to strength of 13,000 psi)
- Grey, malleable, ductile and die-cast iron
- Sintered iron, nickel silver, graphite
- Short chipping aluminum alloys
- Brass and bronze



Jobber length drill bit

\*Point angle for HSS-Co5 bits is 135°

## Jobber Length Drill Bits - Fractional Sizes

| Part #<br>High Speed Steel | Pcs /Pkg | Price   | Part #<br>Titanium Coated | Pcs/ Pkg | Price   | Part #<br>Cobalt 5 | Pcs/ Pkg | Price   | Drill Size (Gauge) (in.) | Ø Size (A) (in.) | Flute Length (B) (in.) | Overall Length (C) (in.) | For Tapping Use With |
|----------------------------|----------|---------|---------------------------|----------|---------|--------------------|----------|---------|--------------------------|------------------|------------------------|--------------------------|----------------------|
|                            |          |         |                           |          |         |                    |          |         |                          |                  |                        |                          |                      |
| 214801                     | 10       | Retired |                           |          |         | 215801             | 10       | Retired | 1/16                     | 0.0625           | 7/8                    | 1-7/8                    |                      |
| 214802                     | 10       | \$5.50  |                           |          |         | 215802             | 10       | Retired | 5/64                     | 0.0781           | 1                      | 2                        |                      |
| 214803                     | 10       | \$6.00  |                           |          |         | 215803             | 10       | Retired | 3/32                     | 0.0938           | 1 1/4                  | 2-1/4                    |                      |
| 214804                     | 10       | \$6.75  | 250804T                   | 10       | Retired | 215804             | 10       | Retired | 7/64                     | 0.1094           | 1 1/2                  | 2-5/8                    |                      |
| 214805                     | 10       | \$7.75  |                           |          |         | 215805             | 10       | Retired | 1/8                      | 0.1250           | 1-5/8                  | 2-3/4                    |                      |
| 214806                     | 10       | \$8.25  |                           |          |         | 215806             | 10       | Retired | 9/64                     | 0.1406           | 1-3/4                  | 2-7/8                    |                      |
| 214807                     | 10       | \$8.25  | 250807T                   | 10       | Retired | 215807             | 10       | Retired | 5/32                     | 0.1562           | 2                      | 3-1/8                    |                      |
| 214808                     | 10       | \$9.00  | 250808T                   | 10       | Retired | 215808             | 10       | Retired | 11/64                    | 0.1719           | 2-1/8                  | 3-1/4                    |                      |
| 214809                     | 10       | \$11.00 | 250809T                   | 10       | Retired | 215809             | 10       | Retired | 3/16                     | 0.1875           | 2-5/16                 | 3-1/2                    |                      |
| 214810                     | 10       | \$12.00 |                           |          |         | 215810             | 10       | Retired | 13/64                    | 0.2031           | 2-7/16                 | 3-5/8                    |                      |
| 214811                     | 10       | \$13.00 | 250811T                   | 10       | Retired | 215811             | 10       | Retired | 7/32                     | 0.2188           | 2-1/2                  | 3-3/4                    |                      |
| 214812                     | 10       | Retired | 250812T                   | 10       | Retired | 215812             | 10       | Retired | 15/64                    | 0.2344           | 2-5/8                  | 3-7/8                    |                      |
| 214813                     | 10       | \$14.00 |                           |          |         | 215813             | 10       | Retired | 1/4                      | 0.2500           | 2-3/4                  | 4                        |                      |
| 214814                     | 10       | \$17.00 | 250814T                   | 10       | Retired | 215814             | 10       | Retired | 17/64                    | 0.2656           | 2-7/8                  | 4-1/8                    |                      |
| 214815                     | 10       | \$18.00 | 250815T                   | 10       | Retired | 215815             | 10       | Retired | 9/32                     | 0.2813           | 2-15/16                | 4-1/4                    |                      |
| 214816                     | 10       | Retired | 250816T                   | 10       | Retired | 215816             | 10       | Retired | 19/64                    | 0.2969           | 3-1/16                 | 4-3/8                    |                      |
| 214817                     | 10       | \$19.00 | 250817T                   | 10       | Retired | 215817             | 10       | Retired | 5/16                     | 0.3125           | 3-3/16                 | 4-1/2                    | 265038UNC            |
| 214818                     | 10       | Retired |                           |          |         | 215818             | 10       | Retired | 21/64                    | 0.3281           | 3-5/16                 | 4-5/8                    |                      |
| 214819                     | 10       | \$26.00 | 250819T                   | 10       | Retired | 215819             | 10       | Retired | 11/32                    | 0.3438           | 3-7/16                 | 4-3/4                    |                      |
| 214820                     | 10       | Retired | 250820T                   | 10       | Retired | 215820             | 10       | Retired | 23/64                    | 0.3594           | 3-1/2                  | 4-7/8                    |                      |
| 214821                     | 10       | \$31.00 | 250821T                   | 10       | Retired | 215821             | 10       | Retired | 3/8                      | 0.3750           | 3-5/8                  | 5                        |                      |
| 214822                     | 10       | \$32.00 | 250822T                   | 10       | Retired | 215822             | 10       | Retired | 25/64                    | 0.3906           | 3-3/4                  | 5-1/8                    |                      |
| 214823                     | 10       | Retired | 250823T                   | 10       | Retired | 215823             | 10       | Retired | 13/32                    | 0.4062           | 3-7/8                  | 5-1/4                    |                      |
| 214824                     | 5        | Retired | 250824T                   | 5        | Retired | 215824             | 5        | Retired | 27/64                    | 0.4219           | 3-15/16                | 5-3/8                    |                      |
| 214825                     | 5        | \$21.50 | 250825T                   | 5        | Retired | 215825             | 5        | Retired | 7/16                     | 0.4375           | 4-1/16                 | 5-1/2                    |                      |
| 214826                     | 5        | Retired | 250826T                   | 5        | Retired | 215826             | 5        | Retired | 29/64                    | 0.4531           | 4-3/16                 | 5-5/8                    |                      |
| 214827                     | 5        | Retired | 250827T                   | 5        | Retired | 215827             | 5        | Retired | 15/32                    | 0.4688           | 4-5/16                 | 5-3/4                    |                      |
| 214828                     | 5        | Retired | 250828T                   | 5        | Retired | 215828             | 5        | Retired | 31/64                    | 0.4844           | 4-3/8                  | 5-7/8                    |                      |
| 214829                     | 5        | \$27.00 | 250829T                   | 5        | Retired | 215829             | 5        | Retired | 1/2                      | 0.5000           | 4-1/2                  | 6                        |                      |



# Tools – Jobber Length Drill Bits



214816

| Jobber Length Drill Bits - Number and Letter Sizes |                               |             |         |                       |                           |                            |                              |   |
|--|-------------------------------|-------------|---------|-----------------------|---------------------------|----------------------------|------------------------------|---|
|  | Part #<br>High Speed<br>Steel | Pcs/<br>Pkg | Price   | Drill Size<br>(Gauge) | Ø Size<br>A<br>(in. dec.) | Flute Length<br>B<br>(in.) | Overall Length<br>C<br>(in.) | For Tapping<br>Use With                               |
| Number   | <a href="#">2149003</a>       | 10          | Retired | 3                     | 0.2130                    | 2-1/4                      | 3-3/4                        | <a href="#">265014UNF</a>                             |
|  | <a href="#">2149007</a>       | 10          | \$12.00 | 7                     | 0.2010                    | 2                          | 3-3/8                        | <a href="#">265014UNC</a>                             |
|  | <a href="#">2149014</a>       | 10          | Retired | 14                    | 0.1820                    | 1-11/16                    | 3-1/8                        | <a href="#">265120UNF</a>                             |
|  | <a href="#">2149016</a>       | 10          | Retired | 16                    | 0.1770                    | 1-7/8                      | 3-1/8                        | <a href="#">265120UNC</a>                             |
|  | <a href="#">2149021</a>       | 10          | \$9.00  | 21                    | 0.1590                    | 1-5/8                      | 2-15/16                      | <a href="#">265100UNF</a>                             |
|  | <a href="#">2149025</a>       | 10          | \$8.25  | 25                    | 0.1495                    | 1-5/8                      | 2-15/16                      | <a href="#">265100UNC</a>                             |
|  | <a href="#">2149029</a>       | 10          | \$7.75  | 29                    | 0.1360                    | 1-9/16                     | 2-7/8                        | <a href="#">265080UNC</a> , <a href="#">265080UNF</a> |
|  | <a href="#">2149033</a>       | 10          | Retired | 33                    | 0.1130                    | 1-5/16                     | 2-3/8                        | <a href="#">265060UNF</a>                             |
|  | <a href="#">2149036</a>       | 10          | \$8.25  | 36                    | 0.1065                    | 1-1/4                      | 2-3/8                        | <a href="#">265060UNC</a>                             |
|  | <a href="#">2149037</a>       | 10          | Retired | 37                    | 0.1040                    | 1-1/4                      | 2-1/4                        | <a href="#">265050UNF</a>                             |
|  | <a href="#">2149038</a>       | 10          | Retired | 38                    | 0.1015                    | 1-1/4                      | 2-1/4                        | <a href="#">265050UNC</a>                             |
|  | <a href="#">2149042</a>       | 10          | Retired | 42                    | 0.0935                    | 1-1/4                      | 2-1/4                        | <a href="#">265040UNF</a>                             |
|  | <a href="#">2149043</a>       | 10          | Retired | 43                    | 0.0890                    | 1-1/16                     | 2-1/16                       | <a href="#">265040UNC</a>                             |
| Letter   | <a href="#">214900F</a>       | 10          | \$14.50 | F                     | 0.2570                    | 2-3/8                      | 4                            | <a href="#">265516UNC</a>                             |
|  | <a href="#">214900I</a>       | 10          | Retired | I                     | 0.2720                    | 2-3/4                      | 4-1/4                        | <a href="#">265516UNF</a>                             |
|  | <a href="#">214900Q</a>       | 10          | Retired | Q                     | 0.3320                    | 3                          | 4-5/8                        | <a href="#">265038UNF</a>                             |
|  | <a href="#">214900R</a>       | 10          | \$39.00 | R                     | 0.3390                    | 3-7/16                     | 4-3/4                        | <a href="#">231018NPT</a>                             |

| Jobber Length Drill Bits - Metric Sizes |                               |         |         |                        |         |         |                         |                           |                             |
|---|-------------------------------|---------|---------|------------------------|---------|---------|-------------------------|---------------------------|-----------------------------|
|   | Part #<br>High Speed<br>Steel | Pcs/Pkg | Price   | Part #<br>Cobalt 5     | Pcs/Pkg | Price   | Drill Size<br>A<br>(mm) | Flute Length<br>B<br>(mm) | Overall Length<br>C<br>(mm) |
| Metric                                  | <a href="#">214010</a>        | 10      | Retired | <a href="#">215010</a> | 10      | Retired | 1.0                     | 12.0                      | 34.0                        |
|   | <a href="#">214015</a>        | 10      | Retired | <a href="#">215015</a> | 10      | \$13.50 | 1.5                     | 18.0                      | 40.0                        |
|   | <a href="#">214020</a>        | 10      | Retired | <a href="#">215020</a> | 10      | Retired | 2.0                     | 24.0                      | 49.0                        |
|   | <a href="#">214025</a>        | 10      | Retired | <a href="#">215025</a> | 10      | Retired | 2.5                     | 30.0                      | 57.0                        |
|   | <a href="#">214030</a>        | 10      | Retired | <a href="#">215030</a> | 10      | Retired | 3.0                     | 33.0                      | 61.0                        |
|   | <a href="#">214033</a>        | 10      | Retired | <a href="#">215033</a> | 10      | Retired | 3.3                     | 36.0                      | 65.0                        |
|   | <a href="#">214035</a>        | 10      | Retired | <a href="#">215035</a> | 10      | Retired | 3.5                     | 39.0                      | 70.0                        |
|   | <a href="#">214040</a>        | 10      | Retired | <a href="#">215040</a> | 10      | Retired | 4.0                     | 43.0                      | 75.0                        |
|   | <a href="#">214042</a>        | 10      | Retired | <a href="#">215042</a> | 10      | Retired | 4.2                     | 43.0                      | 75.0                        |
|   | <a href="#">214045</a>        | 10      | Retired | <a href="#">215045</a> | 10      | Retired | 4.5                     | 47.0                      | 80.0                        |
|   | <a href="#">214050</a>        | 10      | Retired | <a href="#">215050</a> | 10      | Retired | 5.0                     | 52.0                      | 86.0                        |
|   | <a href="#">214055</a>        | 10      | Retired | <a href="#">215055</a> | 10      | Retired | 5.5                     | 57.0                      | 93.0                        |
|   | <a href="#">214060</a>        | 10      | Retired | <a href="#">215060</a> | 10      | Retired | 6.0                     | 57.0                      | 93.0                        |
|   | <a href="#">214065</a>        | 10      | Retired | <a href="#">215065</a> | 10      | Retired | 6.5                     | 63.0                      | 101.0                       |
|   | <a href="#">214068</a>        | 10      | Retired | <a href="#">215068</a> | 10      | Retired | 6.8                     | 69.0                      | 109.0                       |
|   | <a href="#">214070</a>        | 10      | Retired | <a href="#">215070</a> | 10      | Retired | 7.0                     | 69.0                      | 109.0                       |





# Tools – Jobber Length Drill Bits

| Jobber Length Drill Bits - Metric Sizes Continued |                               |         |         |                               |         |         |                         |                           |                             |
|---|-------------------------------|---------|---------|-------------------------------|---------|---------|-------------------------|---------------------------|-----------------------------|
| Metric  | Part #<br>High Speed<br>Steel | Pcs/Pkg | Price   | Part #<br>Cobalt 5            | Pcs/Pkg | Price   | Drill Size<br>A<br>(mm) | Flute Length<br>B<br>(mm) | Overall Length<br>C<br>(mm) |
|   | <a href="#"><u>214075</u></a> | 10      | Retired | <a href="#"><u>215075</u></a> | 10      | Retired | 7.5                     | 69.0                      | 109.0                       |
|   | <a href="#"><u>214080</u></a> | 10      | Retired | <a href="#"><u>215080</u></a> | 10      | Retired | 8.0                     | 75.0                      | 117.0                       |
|   | <a href="#"><u>214085</u></a> | 10      | Retired | <a href="#"><u>215085</u></a> | 10      | Retired | 8.5                     | 75.0                      | 117.0                       |
|   | <a href="#"><u>214090</u></a> | 10      | Retired | <a href="#"><u>215090</u></a> | 10      | Retired | 9.0                     | 81.0                      | 125.0                       |
|   | <a href="#"><u>214095</u></a> | 10      | Retired | <a href="#"><u>215095</u></a> | 10      | Retired | 9.5                     | 81.0                      | 125.0                       |
|   | <a href="#"><u>214100</u></a> | 10      | Retired | <a href="#"><u>215100</u></a> | 10      | Retired | 10.0                    | 87.0                      | 133.0                       |
|   | <a href="#"><u>214102</u></a> | 10      | Retired | <a href="#"><u>215102</u></a> | 10      | Retired | 10.2                    | 87.0                      | 133.0                       |
|   | <a href="#"><u>214105</u></a> | 5       | Retired | <a href="#"><u>215105</u></a> | 5       | Retired | 10.5                    | 87.0                      | 133.0                       |
|   | <a href="#"><u>214110</u></a> | 5       | Retired | <a href="#"><u>215110</u></a> | 5       | Retired | 11.0                    | 94.0                      | 142.0                       |
|   | <a href="#"><u>214115</u></a> | 5       | Retired | <a href="#"><u>215115</u></a> | 5       | \$62.00 | 11.5                    | 94.0                      | 142.0                       |
|   | <a href="#"><u>214120</u></a> | 5       | Retired | <a href="#"><u>215120</u></a> | 5       | \$64.00 | 12.0                    | 101.0                     | 151.0                       |
|   | <a href="#"><u>214125</u></a> | 5       | Retired | <a href="#"><u>215125</u></a> | 5       | \$71.00 | 12.5                    | 101.0                     | 151.0                       |
|   | <a href="#"><u>214130</u></a> | 5       | Retired | <a href="#"><u>215130</u></a> | 5       | \$73.00 | 13.0                    | 101.0                     | 151.0                       |

# Tools – Drill Bit Sets

**214214RO**

| Drill Bit Sets                     |          |   |
|------------------------------------|----------|---|
| Part #                             | Price    | Description   |
| <a href="#"><u>101026USRO</u></a>  | \$76.00  | Three-piece Step Drill Bit Set<br>High Speed Steel, bright finish, spiral fluted with split point.<br>Drill size 1: 6 steps from 3/16" to 1/2" with 1/16" increments. Shank size 1/4"<br>Drill size 2: 13 steps from 1/8 to 1/2" with 1/32" increments. Shank size 1/4"<br>Drill size 3: 9 steps from 1/4" to 3/4" with 1/16" increments. Shank size 3/8" |
| <a href="#"><u>101026USERO</u></a> | \$109.00 | Three-piece Step Drill Bit Set<br>HSS-Co5 spiral fluted with split point.<br>Drill size 1: 6 steps from 3/16" to 1/2" with 1/16" increments. Shank size 1/4"<br>Drill size 2: 13 steps from 1/8 to 1/2" with 1/32" increments. Shank size 1/4"<br>Drill size 3: 9 steps from 1/4" to 3/4" with 1/16" increments. Shank size 3/8"                          |
| <a href="#"><u>101026USTRO</u></a> | \$120.00 | Three-piece Step Drill Bit Set<br>HSS-TiN coated spiral fluted with split point.<br>Drill size 1: 6 steps from 3/16" to 1/2" with 1/16" increments. Shank size 1/4"<br>Drill size 2: 13 steps from 1/8 to 1/2" with 1/32" increments. Shank size 1/4"<br>Drill size 3: 9 steps from 1/4" to 3/4" with 1/16" increments. Shank size 3/8"                   |
| <a href="#"><u>214215RO</u></a>    | Retired  | 25-piece jobber Length Drill Set<br>Metric sizes 1.0 to 13.0 mm in increments of 0.5 mm<br>High-speed steel, 118 degrees point  |
| <a href="#"><u>214850RO</u></a>    | \$40.50  | 21-piece jobber Length Drill Set<br>Fractional sizes 1/16" to 3/8" in increments of 1/64"<br>High-speed steel, 118 degrees point  |
| <a href="#"><u>214851RO</u></a>    | \$66.00  | 29-piece jobber Length Drill Set<br>Fractional sizes 1/16" to 1/2" in increments of 1/64"<br>High-speed steel, 118 degrees point.   |

# Tools – Machine Taps

## Machine Taps

Choose from nine sizes in coarse or fine thread machine taps.

- High-speed steel cobalt-alloyed (HSS-Co5)
- Spiral point
- Chamfer type B, 4-5 threads with progressive tip
- Reinforced shank for through threads



265050UNC

| High-Speed Steel Machine Taps |                           |         |         |             |  |                     |                           |         |         |             |          |                         |
|-------------------------------|---------------------------|---------|---------|-------------|--|---------------------|---------------------------|---------|---------|-------------|----------|-------------------------|
| Unified Coarse Thread         | Part #                    | Pcs/Pkg | Price   | Thread Size | Use With   | Unified Fine Thread | Part #                    | Pcs/Pkg | Price   | Thread Size | Use With |                         |
|                               | <a href="#">265040UNC</a> | 1       | \$11.00 | 4-40        | <a href="#">2149043</a>                          |                     | <a href="#">265040UNF</a> | 1       | Retired |             | 4-48     | <a href="#">2149042</a> |
|                               | <a href="#">265050UNC</a> | 1       | Retired | 5-40        | <a href="#">2149038</a>                          |                     | <a href="#">265050UNF</a> | 1       | Retired |             | 5-44     | <a href="#">2149037</a> |
|                               | <a href="#">265060UNC</a> | 1       | \$9.00  | 6-32        | <a href="#">2149036</a>                          |                     | <a href="#">265060UNF</a> | 1       | Retired |             | 6-40     | <a href="#">2149033</a> |
|                               | <a href="#">265080UNC</a> | 1       | \$9.00  | 8-32        | <a href="#">2149029</a>                          |                     | <a href="#">265080UNF</a> | 1       | Retired |             | 8-36     | <a href="#">2149029</a> |
|                               | <a href="#">265100UNC</a> | 1       | \$9.00  | 10-24       | <a href="#">2149025</a>                          |                     | <a href="#">265100UNF</a> | 1       | \$9.00  |             | 10-32    | <a href="#">2149021</a> |
|                               | <a href="#">265120UNC</a> | 1       | \$9.25  | 12-24       | <a href="#">2149016</a>                          |                     | <a href="#">265120UNF</a> | 1       | Retired |             | 12-28    | <a href="#">2149014</a> |
|                               | <a href="#">265014UNC</a> | 1       | \$10.00 | 1/4-20      | <a href="#">2149007</a>                          |                     | <a href="#">265014UNF</a> | 1       | \$11.00 |             | 1/4-28   | <a href="#">2149003</a> |
|                               | <a href="#">265516UNC</a> | 1       | \$11.50 | 5/16-18     | <a href="#">214900F</a>                          |                     | <a href="#">265516UNF</a> | 1       | Retired |             | 5/16-24  | <a href="#">214900I</a> |
|                               | <a href="#">265038UNC</a> | 1       | \$13.00 | 3/8-16      | <a href="#">214817</a> , <a href="#">250817T</a> |                     | <a href="#">265038UNF</a> | 1       | Retired |             | 3/8-24   | <a href="#">214900Q</a> |

| Drill and Tap Selection Guide |                |  |                           |                      |   |
|-------------------------------|----------------|--|---------------------------|----------------------|---|
| Machine Screw Size            | Tap Drill Size | Drill P/N  | Tap P/N                   | Clearance Hole (in.) | Clearance Drill P/N   |
| #4-40                         | #43            | <a href="#">2149043</a>                          | <a href="#">265040UNC</a> | 0.125                | <a href="#">214805</a> , <a href="#">250805T</a> , <a href="#">215805</a>       |
| #4-48                         | #42            | <a href="#">2149042</a>                          | <a href="#">265040UNF</a> | 0.125                | <a href="#">214805</a> , <a href="#">250805T</a> , <a href="#">215805</a>       |
| #5-40                         | #38            | <a href="#">2149038</a>                          | <a href="#">265050UNC</a> | 0.136                | <a href="#">2149029</a>   |
| #5-44                         | #37            | <a href="#">2149037</a>                          | <a href="#">265050UNF</a> | 0.136                | <a href="#">2149029</a>   |
| #6-32                         | #36            | <a href="#">2149036</a>                          | <a href="#">265060UNC</a> | 0.149                | <a href="#">2149025</a>   |
| #6-40                         | #33            | <a href="#">2149033</a>                          | <a href="#">265060UNF</a> | 0.149                | <a href="#">2149025</a>   |
| #8-32                         | #29            | <a href="#">2149029</a>                          | <a href="#">265080UNC</a> | 0.187                | <a href="#">214809</a> , <a href="#">250809T</a> , <a href="#">215809</a>       |
| #8-36                         | #29            | <a href="#">2149029</a>                          | <a href="#">265080UNF</a> | 0.187                | <a href="#">214809</a> , <a href="#">250809T</a> , <a href="#">215809</a>       |
| #10-24                        | #25            | <a href="#">2149025</a>                          | <a href="#">265100UNC</a> | 0.219                | <a href="#">214811</a> , <a href="#">250811T</a> , <a href="#">215811</a>       |
| #10-32                        | #21            | <a href="#">2149021</a>                          | <a href="#">265100UNF</a> | 0.219                | <a href="#">214811</a> , <a href="#">250811T</a> , <a href="#">215811</a>       |
| #12-24                        | #16            | <a href="#">2149016</a>                          | <a href="#">265120UNC</a> | 0.234                | <a href="#">214812</a> , <a href="#">250812T</a> , <a href="#">215812</a>       |
| #12-28                        | #14            | <a href="#">2149014</a>                          | <a href="#">265120UNF</a> | 0.234                | <a href="#">214812</a> , <a href="#">250812T</a> , <a href="#">215812</a>       |
| 1/4-20                        | #7             | <a href="#">2149007</a>                          | <a href="#">265014UNC</a> | 0.281                | <a href="#">214815</a> , <a href="#">250815T</a> , <a href="#">215815</a>       |
| 1/4-28                        | #3             | <a href="#">2149003</a>                          | <a href="#">265014UNF</a> | 0.281                | <a href="#">214815</a> , <a href="#">250815T</a> , <a href="#">215815</a>       |
| 5/16-18                       | LTR F          | <a href="#">214900F</a>                          | <a href="#">265516UNC</a> | 0.344                | <a href="#">214819</a> , <a href="#">250819T</a> , <a href="#">215819</a>       |
| 5/16-24                       | LTR I          | <a href="#">214900I</a>                          | <a href="#">265516UNF</a> | 0.344                | <a href="#">214819</a> , <a href="#">250819T</a> , <a href="#">215819</a>       |
| 3/8-16                        | 5/16           | <a href="#">214817</a> , <a href="#">250817T</a> | <a href="#">265038UNC</a> | 0.406                | <a href="#">214823</a> , <a href="#">250823T</a> , <a href="#">215823215823</a> |
| 3/8-24                        | LTR Q          | <a href="#">214900Q</a>                          | <a href="#">265038UNF</a> | 0.406                | <a href="#">214823</a> , <a href="#">250823T</a> , <a href="#">215823</a>       |

# Tools – Hand Taps

## Fractional and Metric Thread Hand Taps

High-speed steel fractional and metric size hand taps.



231100

| High-Speed Steel Fractional Size Hand Taps |                            |         |         |             |                      |                         |             |                            |         |         |             |                      |                         |
|--|----------------------------|---------|---------|-------------|----------------------|-------------------------|-------------|----------------------------|---------|---------|-------------|----------------------|-------------------------|
| Coarse Thread                              | Part #                     | Pcs/Pkg | Price   | Thread Size | Overall Length (in.) | Use With                | Fine Thread | Part #                     | Pcs/Pkg | Price   | Thread Size | Overall Length (in.) | Use With                |
|  | <a href="#">246080UNC3</a> | 1       | \$10.50 | 8-32 UNC    | 1.77                 | <a href="#">2149029</a> |             | <a href="#">246100UNF2</a> | 1       | \$10.50 | 10-32 UNF   | 1.77                 | <a href="#">2149021</a> |
|  | <a href="#">246100UNC3</a> | 1       | \$10.50 | 10-24 UNC   | 1.97                 | <a href="#">2149025</a> |             |                            |         |         |             |                      |                         |
|  | <a href="#">246014UNC3</a> | 1       | \$6.25  | 1/4-20 UNC  | 1.97                 | <a href="#">2149007</a> |             | <a href="#">246516UNF2</a> | 1       | Retired | 5/16-24 UNF | 2.20                 | <a href="#">2149001</a> |
|  | <a href="#">246516UNC3</a> | 1       | \$6.25  | 5/16-18 UNC | 2.20                 | <a href="#">214900F</a> |             |                            |         |         |             |                      |                         |

| High-Speed Steel Metric Hand Taps |                        |         |        |             |                     |   |             |                          |         |         |             |                     |   |
|-----------------------------------|------------------------|---------|--------|-------------|---------------------|---|-------------|--------------------------|---------|---------|-------------|---------------------|---|
| Coarse Thread                     | Part #                 | Pcs/Pkg | Price  | Thread Size | Overall Length (mm) | Use With  | Fine Thread | Part #                   | Pcs/Pkg | Price   | Thread Size | Overall Length (mm) | Use With  |
|                                   | <a href="#">231030</a> | 1       | \$4.25 | M3x0.5      | 40.0                | <a href="#">214025</a> , <a href="#">215025</a> |             | <a href="#">235041-2</a> | 1       | \$8.50  | M4x0.5      | 45.0                | <a href="#">214035</a> , <a href="#">215035</a> |
|                                   | <a href="#">231040</a> | 1       | \$4.25 | M4x0.7      | 45.0                | <a href="#">214033</a> , <a href="#">215033</a> |             | <a href="#">235050-2</a> | 1       | \$9.00  | M5x0.5      | 50.0                | <a href="#">214045</a> , <a href="#">215045</a> |
|                                   | <a href="#">231050</a> | 1       | \$4.25 | M5x0.8      | 50.0                | <a href="#">214042</a> , <a href="#">215042</a> |             | <a href="#">235081-2</a> | 1       | \$11.00 | M8x1        | 56.0                | <a href="#">214070</a> , <a href="#">215070</a> |
|                                   | <a href="#">231060</a> | 1       | \$4.50 | M6X1        | 50.0                | <a href="#">214050</a> , <a href="#">215050</a> |             | <a href="#">235122-2</a> | 1       | \$12.00 | M12x1       | 70.0                | <a href="#">214110</a> , <a href="#">215110</a> |
|                                   | <a href="#">231080</a> | 1       | \$5.00 | M8x1.25     | 56.0                | <a href="#">214068</a> , <a href="#">215068</a> |             | <a href="#">235181-2</a> | 1       | \$23.50 | M18x1       | 80.0                | 17.0 mm   |
|                                   | <a href="#">231100</a> | 1       | \$7.00 | M10x1.5     | 70.0                | <a href="#">214085</a> , <a href="#">215085</a> |             | <a href="#">235301-2</a> | 1       | \$48.50 | M30x1.5     | 90.0                | 28.5 mm   |
|                                   | <a href="#">231120</a> | 1       | \$8.50 | M12x1.75    | 75.0                | <a href="#">214102</a> , <a href="#">215102</a> |             |                          |         |         |             |                     |   |

## NPT Thread Hand Taps

High-speed steel National Pipe Taper hand taps.

| High-Speed Steel NPT Hand Taps |         |         |             |                      |   |
|--------------------------------|---------|---------|-------------|----------------------|---|
| Part #                         | Pcs/Pkg | Price   | Thread Size | Overall Length (in.) | Use With  |
| <a href="#">231116NPT</a>      | 1       | \$16.00 | 1/16-27 NPT | 2.56                 | <a href="#">214813</a> , <a href="#">250813T</a> , <a href="#">215813</a> |
| <a href="#">231018NPT</a>      | 1       | \$14.50 | 1/8-27 NPT  | 2.56                 | <a href="#">214900R</a>   |
| <a href="#">231014NPT</a>      | 1       | \$15.50 | 1/4-18 NPT  | 2.76                 | <a href="#">214825</a> , <a href="#">250825T</a> , <a href="#">215825</a> |
| <a href="#">231038NPT</a>      | 1       | \$22.00 | 3/8-18 NPT  | 2.95                 | 37/64"  |
| <a href="#">231012NPT</a>      | 1       | \$27.00 | 1/2-14 NPT  | 3.15                 | 23/32"  |



231038NPT

## Conduit Thread Hand Taps

High-speed steel DIN 40430 conduit thread hand taps.

| High-Speed Steel Conduit Thread Hand Taps |         |         |             |                     |          |
|---|---------|---------|-------------|---------------------|----------|
| Part #                                    | Pcs/Pkg | Price   | Thread Size | Overall Length (mm) | Use With |
| <a href="#">264009</a>                    | 1       | \$21.50 | PG-9        | 70.0                | 14.0 mm  |
| <a href="#">264011</a>                    | 1       | \$29.50 | PG-11       | 80.0                | 17.25 mm |
| <a href="#">264016</a>                    | 1       | \$42.00 | PG-16       | 80.0                | 21.25 mm |
| <a href="#">264021</a>                    | 1       | \$63.00 | PG-21       | 90.0                | 26.75 mm |
| <a href="#">264029</a>                    | 1       | \$97.00 | PG-29       | 100.0               | 35.5 mm  |



264029

# **RUKO** Tools – Hand Taps



**245004RO**

| Drill and Hand Tap Sets |         |  |
|-------------------------|---------|--|
| Part #                  | Price   | Description  |
| <b>245004RO</b>         | \$78.00 | RUKO hand tap set, high-speed steel (HSS), 15-piece set includes: (7) metric size taps (M3, M4, M5, M6, M8, M10, M12), (7) jobber length drill bits (one for each tap), (1) tap wrench with two-jaw chuck. Includes heavy-duty plastic case.   |
| <b>245004USRO</b>       | \$93.00 | RUKO hand tap set, high-speed steel (HSS), 15-piece set includes: (7) SAE taps (8-32 UNC, 10-24 UNC, 10-32 UNF, 1/4-20 UNC, 1/4-28 UNF, 5/16-18 UNC, 5/16-24 UNF), (7) jobber length drill bits (one for each tap), (1) tap wrench with two-jaw chuck. Includes heavy-duty plastic case. |

# **RUKO** Tools – Hand Tap Wrenches

## Hand Tap Wrenches



**241103**



**241010**

| Hand Tap Wrenches |         |         |  |   |                               |
|-------------------|---------|---------|--|---|-------------------------------|
| Part #            | Pcs/Pkg | Price   | Description                            | Construction Material                                     | Use With                      |
| <b>241010</b>     | 1       | \$26.00 | Sliding T-handle ratcheting tap wrench | Chrome plated steel                                       | M3 to M10, 1/8" to 3/8" taps  |
| <b>241020</b>     | 1       | \$29.50 | Sliding T-handle ratcheting tap wrench | Chrome plated steel                                       | M5 to M12, 7/32" to 1/2" taps |
| <b>241103</b>     | 1       | Retired | Two-jaw chuck tap wrench               | Die cast zinc housing, steel handles, hardened chuck jaws | M5 to M20, 1/4" to 3/4" taps  |
| <b>241112</b>     | 1       | \$7.50  | Two-jaw chuck tap wrench               | Die cast zinc housing, steel handles, hardened chuck jaws | M1 to M12, 1/8" to 1/2" taps  |

# Tools – Countersink Bits

RUKO countersinks are CBN ground from fully hardened, High-Speed Steel (HSS) blanks. Since CBN (cubic crystalline boron nitride) is a much harder abrasive than either silicon carbide or corundum, CBN grinding of the fully hardened material creates a sharper and more durable cutting edge with precise tolerances.

Radially-adjusted relief grinding ensures that the cutting edge is always the highest point. Combined with the axial relief grinding, this guarantees a smooth, low-heat, chatter-free cut up to 30% faster than competing countersink bits.

This tough tool is suitable for all standard industrial materials: steel, cast iron, stainless steel, non-ferrous metal, thermoplastics, and duroplastics. Best results are achieved at low cutting speeds. Use of cutting oil or paste will provide longer tool life and superior quality work.

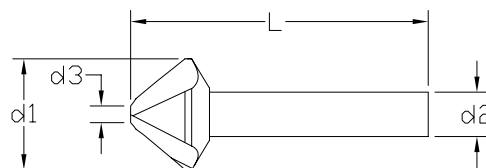
Available in both 82° taper for UNC and UNF fasteners and DIN 335 Type C 90° taper for metric fasteners.

| RUKO Countersink Bits - Metric with 3-Flat Shank - 90° Taper |         |   |                    |                   |                     |
|--|---------|---|--------------------|-------------------|---------------------|
| Part #   | Price   | Countersink Diameter (d1)   | Nose Diameter (d3) | Total Length (L)  | Shank Diameter (d2) |
| <a href="#"><u>102714</u></a>                                | Retired | 10.4 mm [0.41 in]   | 2.5 mm [0.10 in]   | 50.0 mm [1.97 in] | 6.0 mm [0.24 in]    |
| <a href="#"><u>102723</u></a>                                | Retired | 25.0 mm [0.98 in]   | 3.8 mm [0.15 in]   | 67.0 mm [2.64 in] | 10.0 mm [0.39 in]   |
| <a href="#"><u>102153</u></a>                                | Retired | 5-piece, 90° Countersink set - Includes: 102714, 102716, 102721, 102723 |                    |                   |                     |

| RUKO Countersink Bits - Inch with Round Shank - 82° Taper |         |                           |                    |                  |                     |
|---|---------|---------------------------|--------------------|------------------|---------------------|
| Part #  | Price   | Countersink Diameter (d1) | Nose Diameter (d3) | Total Length (L) | Shank Diameter (d2) |
| <a href="#"><u>102182</u></a>                             | Retired | 1/4 in [6.4 mm]           | 3/64 in [1.2 mm]   | 1.77 in [45 mm]  | 0.2 in [5 mm]       |
| <a href="#"><u>102183</u></a>                             | Retired | 5/16 in [7.9 mm]          | 1/16 in [1.6 mm]   | 1.97 in [50 mm]  | 0.24 in [6 mm]      |
| <a href="#"><u>102184</u></a>                             | Retired | 3/8 in [9.5 mm]           | 5/64 in [2 mm]     | 1.97 in [50 mm]  | 0.24 in [6 mm]      |
| <a href="#"><u>102188</u></a>                             | Retired | 5/8 in [15.9 mm]          | 7/64 in [2.8 mm]   | 2.36 in [60 mm]  | 0.39 in [10 mm]     |
| <a href="#"><u>102189</u></a>                             | Retired | 3/4 in [19.1 mm]          | 1/8 in [3.2 mm]    | 2.48 in [63 mm]  | 0.39 in [10 mm]     |
| <a href="#"><u>102190</u></a>                             | Retired | 7/8 in [22.2 mm]          | 9/64 in [4.3 mm]   | 2.64 in [67 mm]  | 0.39 in [10 mm]     |
| <a href="#"><u>102191</u></a>                             | Retired | 1 in [25.4 mm]            | 9/64 in [4.3 mm]   | 2.99 in [76 mm]  | 0.39 in [10 mm]     |



[102153](#)





# Tools – Punches

## Knockout Punches

RUKO's knockout punch hole-cutting tool includes punch, die and draw bolt (without ball bearing). Use for sheet steel, stainless-steel sheets, non-ferrous and light metals, and plastics. Replacement bolts are offered in three of the most popular sizes.

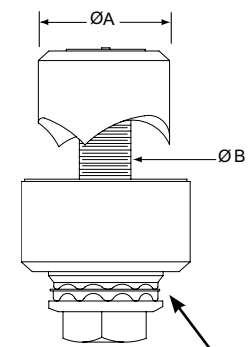
## Features

- Cuts holes in thin materials quickly, easily, cleanly and without burrs.
- 3-point cut ensures less deformation of the punched parts, preventing damage to the draw-in bolt.
- The optional ball bearing between draw-in bolt and die plate makes handling simpler and quicker, reducing the force required by approx. 67% (replacement bolt part numbers, [103110K](#), [103112K](#), and [103116K](#)).
- The metric draw-in bolts are of the highest quality and are designed for extreme loads. If lost, they can be replaced for short periods of time by standard metric fine threaded bolts.



**109220**

| Knockout Punches        |         |         |  |                                 |                      |  |   |
|-------------------------|---------|---------|--|---------------------------------|----------------------|--|---|
| Part #                  | Pcs/Pkg | Price   | Description                                    | Actual Hole Size (Ø A)          | Draw Bolt Size (Ø B) | Trade Hole Size  | Works With  |
| <a href="#">109220</a>  | 1       | \$28.50 | Knockout punch hole-cutting tool               | 22 mm                           | M10                  | 22 mm  | <a href="#">101703</a> , <a href="#">103110K</a>  |
| <a href="#">109225</a>  | 1       | \$27.00 |  | 22.5 mm                         | M10                  | 22.5 mm  | <a href="#">101703</a> , <a href="#">103110K</a>  |
| <a href="#">109300</a>  | 1       | \$37.00 |  | 30 mm                           | M12                  | 30 mm  | <a href="#">101703</a> , <a href="#">103112K</a>  |
| <a href="#">109305</a>  | 1       | \$34.50 |  | 30.5 mm                         | M12                  | 30.5 mm  | <a href="#">101703</a> , <a href="#">103112K</a>  |
| <a href="#">1097012</a> | 1       | \$28.50 |  | 0.875 inch                      | M10                  | 1/2 inch   | <a href="#">101703</a> , <a href="#">103110K</a><br>RPS-16G, RPS-16K,<br>CUR-16G, CUR-16K   |
| <a href="#">1097034</a> | 1       | \$31.50 |  | 1.115 inch                      | M12                  | 3/4 inch   | <a href="#">101703</a> , <a href="#">103112K</a><br>RPS-20G, RPS-20K,<br>CUR-20G, CUR-20K   |
| <a href="#">1097010</a> | 1       | \$39.00 |  | 1.362 inch                      | M12                  | 1 inch   | <a href="#">101703</a> , <a href="#">103112K</a> ,<br>RPS-25G, RPS-25K,<br>CUR-25G, CUR-25K |
| <a href="#">1097114</a> | 1       | \$46.00 |  | 1.6875 inch                     | M16                  | 1-1/4 inch   | <a href="#">101703</a> , <a href="#">103116K</a> ,<br>RPS-32G, RPS-32K,<br>CUR-32G, CUR-32K |
| <a href="#">1097112</a> | 1       | \$56.00 |  | 1.9375 inch                     | M16                  | 1-1/2 inch   | <a href="#">101703</a> , <a href="#">103116K</a>  |
| <a href="#">1097020</a> | 1       | \$59.00 |  | 2.375 inch                      | M16                  | 2 inch   | <a href="#">101703</a> , <a href="#">103116K</a>  |
| Replacement Draw Bolts  |         |         |  |                                 |                      |  |   |
| <a href="#">103110K</a> | 1       | \$23.00 | M10 replacement bolt with ball-bearing bushing | 22 mm, 22.5 mm<br>1/2 inch      |                      | <a href="#">109220</a> , <a href="#">109225</a> ,<br><a href="#">1097012</a>                         |   |
| <a href="#">103112K</a> | 1       | \$25.00 | M12 replacement bolt with ball-bearing bushing | 30 mm, 30.5 mm<br>3/4 to 1 inch |                      | <a href="#">109300</a> , <a href="#">109305</a> ,<br><a href="#">1097034</a> <a href="#">1097010</a> |   |



Ball bearing only available with replacement draw bolts P/N 103110K, 103112K

Note: Part number [109225](#) is recommended when punching holes for 22mm pilot devices.  
Part number [109305](#) is recommended when punching holes for 30mm pilot devices

| Hole Punch Recommendations |             |              |                        |                          |            |
|----------------------------|-------------|--------------|------------------------|--------------------------|------------|
| Draw-In Bolt               | Sheet Steel | Pilot Hole Ø | Stainless Steel Sheets | Non-Ferrous/Light Metals | Plastics   |
| <b>M8 x 1.0 mm</b>         | 14 Ga, 2 mm | 7/16"        | 18 Ga, 1 mm            | 8 Ga, 4 mm               | 8 Ga, 4 mm |
| <b>M10 x 1.0 mm</b>        | 14 Ga, 2 mm | 9/16"        | 18 Ga, 1 mm            | 8 Ga, 4 mm               | 8 Ga, 4 mm |
| <b>M12 x 1.5 mm</b>        | 11 Ga, 3 mm | 19/32"       | 14 Ga, 2 mm            | 8 Ga, 4 mm               | 8 Ga, 4 mm |
| <b>M16 x 1.5 mm</b>        | 11 Ga, 3 mm | 3/4"         | 14 Ga, 2 mm            | 8 Ga, 4 mm               | 8 Ga, 4 mm |

# **RUKO** Tools – Punches

## Hydraulic Knockout Punch Kit

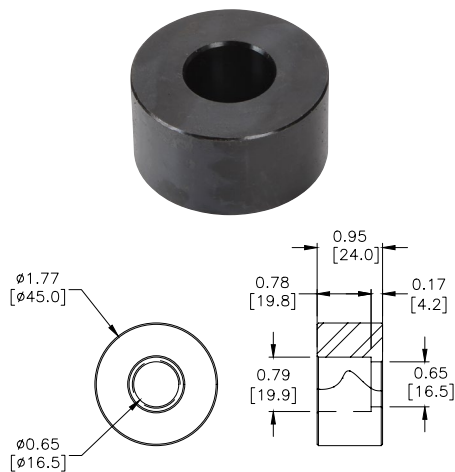
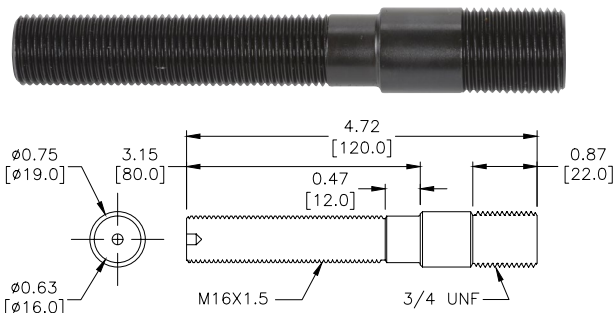
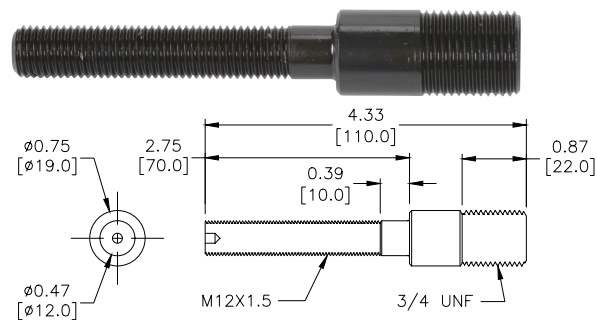
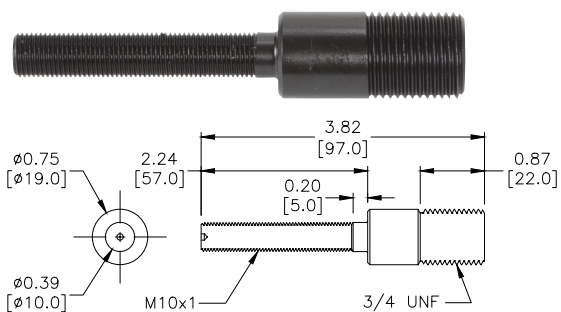
RUKO's squeeze activated hydraulic knockout punch kit allows a user to quickly and precisely punch clean holes in sheet metal and plastic up to 5/32 inch thick. For use with RUKO knockout punches, sold separately.

## Features

- Compact design
- Manually actuated pistol grip
- 50kN (11,000 lbf) of punching force
- Use with RUKO knockout punches, sold separately.



| RUKO Hydraulic Knockout Punch Kit |            |  |
|-----------------------------------|------------|--|
| Part #                            | Price      | Description  |
| <b>109101</b>                     | \$1,028.00 | RUKO compact hydraulic punch, manual, pistol-grip, 50kN (11,000 lbf). Distance sleeve, adapter bolts and heavy-duty plastic case included. |
| Spare Parts                       |            |  |
| <b>109000</b>                     | Retired    | RUKO distance sleeve, replacement. For use with 109101.  |
| <b>109110</b>                     | Retired    | RUKO adapter bolt, replacement, MF 10 x 1.0 x 52, 3/4 UNF. For use with punches having MF 10 x 1.0 threads.                                |
| <b>109112</b>                     | Retired    | RUKO adapter bolt, replacement, MF 12 x 1.5 x 60, 3/4 UNF. For use with punches having MF 12 x 1.5 threads.                                |
| <b>109116</b>                     | Retired    | RUKO adapter bolt, replacement, MF 16 x 1.5 x 70, 3/4 UNF. For use with punches having MF 16 x 1.5 threads.                                |



# Tools – Hole Saws

## Bi-Metal Hole Saws • Applications

Use High Speed Steel saws with varied cutting teeth for easily cut materials, such as unalloyed steel (up to 101,521 psi strength), non-ferrous and light metals, plastics, plasterboard and light building boards, fiberboard, plywood and wood.

Use High Speed Steel Cobalt 8 saws with fine cutting teeth for cutting metals such as alloyed and non-alloyed steels (up to 145,037 psi strength), high chromium alloyed steels, such as stainless steel, steels resistant to rusts and acids, non-ferrous and light metals.



## Features

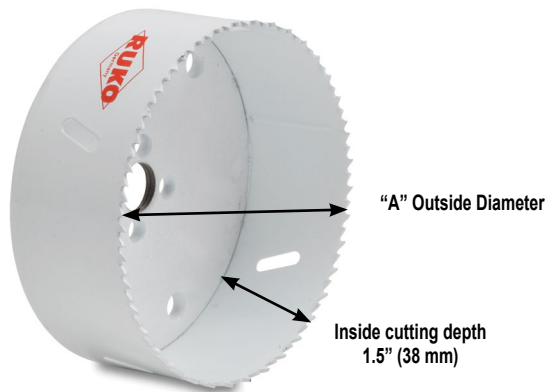
- Cutting edges of HSS or HSS Co 8
- Alloyed steel 6135 jacket
- Cutting depth up to 1-1/2" (38 mm)
- High rotational precision
- Sturdy construction
- Hole saw and shank in two parts, so hole saws of different diameters can be exchanged and fitted faster
- Positive chipping and cutting angles ensure more aggressive cutting
- Teeth welded onto steel jacket
- HSS hole saws have 5 teeth per inch, Co 8 hole saws have 6 teeth per inch
- Good chip removal
- Slots in the jacket side aid in removal of cutouts
- Exchangeable centering drill
- Right-hand cutting
- Arbors are sold separately

### RUKO Hole Saws Selection Guide

| Part #<br>High Speed<br>Steel | Price   | Part #<br>High Speed<br>Steel Cobalt 8 | Price   | Diameter<br>(mm) A | Diameter<br>(inch) A | Conduit<br>Size | Pipe Size<br>(inch) | Arbor<br>Holders |
|-------------------------------|---------|--|---------|--------------------|----------------------|-----------------|---------------------|------------------|
| <a href="#">106014</a>        | Retired | <a href="#">126014</a>                 | Retired | 14                 | 9/16                 | –               | –                   | A1 / A5          |
| <a href="#">106016</a>        | Retired | <a href="#">126016</a>                 | Retired | 16                 | 5/8                  | –               | –                   | A1 / A5          |
| <a href="#">106017</a>        | Retired | not available                          |         | 17                 | 11/16                | –               | –                   | A1 / A5          |
| <a href="#">106019</a>        | Retired | <a href="#">126019</a>                 | Retired | 19                 | 3/4                  | –               | 3/8                 | A1 / A5          |
| <a href="#">106020</a>        | Retired | not available                          |         | 20                 | 25/32                | –               | –                   | A1 / A5          |
| <a href="#">106021</a>        | Retired | not available                          |         | 21                 | 13/16                | –               | –                   | A1 / A5          |
| <a href="#">106022</a>        | Retired | <a href="#">126022</a>                 | \$7.50  | 22                 | 7/8                  | 1/2             | 1/2                 | A1 / A5          |
| <a href="#">106024</a>        | Retired | <a href="#">126024</a>                 | Retired | 24                 | 15/16                | –               | –                   | A1 / A5          |
| <a href="#">106025</a>        | Retired | <a href="#">126025</a>                 | Retired | 25                 | 1                    | –               | –                   | A1 / A5          |
| <a href="#">106027</a>        | Retired | <a href="#">126027</a>                 | Retired | 27                 | 1-1/16               | –               | –                   | A1 / A5          |
| <a href="#">106029</a>        | Retired | <a href="#">126029</a>                 | Retired | 29                 | 1-1/8                | 3/4             | 3/4                 | A1 / A5          |
| <a href="#">106030</a>        | Retired | <a href="#">126030</a>                 | Retired | 30                 | 1-3/16               | –               | –                   | A1 / A5          |
| <a href="#">106032</a>        | Retired | <a href="#">126032</a>                 | Retired | 32                 | 1-1/4                | –               | –                   | A2 / A6          |
| <a href="#">106033</a>        | Retired | not available                          |         | 33                 | 1-5/16               | –               | –                   | A2 / A6          |
| <a href="#">106035</a>        | Retired | <a href="#">126035</a>                 | Retired | 35                 | 1-3/8                | 1               | 1                   | A2 / A6          |
| <a href="#">106036</a>        | Retired | not available                          |         | 36                 | 1-13/32              | –               | –                   | A2 / A6          |
| <a href="#">106037</a>        | Retired | not available                          |         | 37                 | 1-7/16               | –               | –                   | A2 / A6          |
| <a href="#">106038</a>        | Retired | <a href="#">126038</a>                 | Retired | 38                 | 1-1/2                | –               | –                   | A2 / A6          |
| <a href="#">106040</a>        | Retired | not available                          |         | 40                 | 1 9/16               | –               | –                   | A2 / A6          |
| <a href="#">106041</a>        | Retired | <a href="#">126041</a>                 | Retired | 41                 | 1-5/8                | –               | –                   | A2 / A6          |
| <a href="#">106043</a>        | Retired | <a href="#">126043</a>                 | Retired | 43                 | 1-11/16              | –               | –                   | A2 / A6          |
| <a href="#">106044</a>        | Retired | <a href="#">126044</a>                 | Retired | 44                 | 1-3/4                | 1-1/4           | 1-1/4               | A2 / A6          |
| <a href="#">106046</a>        | Retired | <a href="#">126046</a>                 | Retired | 46                 | 1-13/16              | –               | –                   | A2 / A6          |
| <a href="#">106048</a>        | Retired | <a href="#">126048</a>                 | Retired | 48                 | 1-7/8                | –               | –                   | A2 / A6          |
| <a href="#">106051</a>        | Retired | <a href="#">126051</a>                 | Retired | 51                 | 2                    | 1-1/2           | 1-1/2               | A2 / A6          |
| <a href="#">106052</a>        | Retired | not available                          |         | 52                 | 2-1/16               | –               | –                   | A2 / A6          |
| <a href="#">106054</a>        | Retired | <a href="#">126054</a>                 | Retired | 54                 | 2-1/8                | –               | –                   | A2 / A6          |
| <a href="#">106055</a>        | Retired | not available                          |         | 55                 | 2-11/64              | –               | –                   | A2 / A6          |
| <a href="#">106057</a>        | Retired | <a href="#">126057</a>                 | Retired | 57                 | 2-1/4                | –               | –                   | A2 / A6          |
| <a href="#">106059</a>        | Retired | not available                          |         | 59                 | 2-5/16               | –               | –                   | A2 / A6          |

# Tools – Hole Saws

## Dimensions



## Important Operating Notes

- These saws are unsuitable for hammer drill operation
- Only slight pressure required to start drilling
- Drill with light, steady pressure
- Avoid pendulum movements while drilling
- Follow table of cutting speeds
- Use cooling agents recommended for material
- Arbors are sold separately

*Note: For pushbuttons, use RUKO knockout punches listed in previous pages.*

## RUKO Hole Saws Selection Guide, continued

| Part #<br>High Speed<br>Steel | Price   | Part #<br>High Speed<br>Steel Cobalt 8 | Price   | Diameter<br>(mm) A | Diameter<br>(inch) A | Conduit<br>Size | Pipe Size<br>(inch) | For Arbor<br>Holders |
|-------------------------------|---------|--|---------|--------------------|----------------------|-----------------|---------------------|----------------------|
| <a href="#">106060</a>        | Retired | <a href="#">126060</a>                 | Retired | 60                 | 2-3/8                | –               | –                   | A2 / A6              |
| <a href="#">106063</a>        | Retired | <b>not available</b>                   |         | 63                 | 2-15/32              | –               | –                   | A2 / A6              |
| <a href="#">106064</a>        | Retired | <a href="#">126064</a>                 | Retired | 64                 | 2-1/2                | 2               | 2                   | A2 / A6              |
| <a href="#">106065</a>        | Retired | <b>not available</b>                   |         | 65                 | 2-9/16               | –               | –                   | A2 / A6              |
| <a href="#">106067</a>        | Retired | <a href="#">126067</a>                 | Retired | 67                 | 2-5/8                | –               | –                   | A2 / A6              |
| <a href="#">106068</a>        | Retired | <b>not available</b>                   |         | 68                 | 2-11/16              | –               | –                   | A2 / A6              |
| <a href="#">106070</a>        | Retired | <a href="#">126070</a>                 | Retired | 70                 | 2-3/4                | –               | –                   | A2 / A6              |
| <a href="#">106073</a>        | Retired | <a href="#">126073</a>                 | Retired | 73                 | 2-7/8                | –               | –                   | A2 / A6              |
| <a href="#">106076</a>        | Retired | <a href="#">126076</a>                 | Retired | 76                 | 3                    | 2-1/2           | 2-1/2               | A2 / A6              |
| <a href="#">106079</a>        | Retired | <a href="#">126079</a>                 | Retired | 79                 | 3-1/8                | –               | –                   | A2 / A6              |
| <a href="#">106083</a>        | Retired | <a href="#">126083</a>                 | Retired | 83                 | 3-1/4                | –               | –                   | A2 / A6              |
| <a href="#">106086</a>        | Retired | <a href="#">126086</a>                 | Retired | 86                 | 3-3/8                | –               | –                   | A2 / A6              |
| <a href="#">106089</a>        | Retired | <a href="#">126089</a>                 | Retired | 89                 | 3-1/2                | –               | –                   | A2 / A6              |
| <a href="#">106092</a>        | Retired | <a href="#">126092</a>                 | Retired | 92                 | 3-5/8                | 3               | 3                   | A2 / A6              |
| <a href="#">106095</a>        | Retired | <a href="#">126095</a>                 | Retired | 95                 | 3-3/4                | –               | –                   | A2 / A6              |
| <a href="#">106098</a>        | Retired | <a href="#">126098</a>                 | Retired | 98                 | 3-7/8                | –               | –                   | A2 / A6              |
| <a href="#">106102</a>        | Retired | <a href="#">126102</a>                 | Retired | 102                | 4                    | –               | –                   | A2 / A6              |
| <a href="#">106105</a>        | Retired | <b>not available</b>                   |         | 105                | 4-1/8                | 3-1/2           | 3-1/2               | A2 / A6              |
| <a href="#">106108</a>        | Retired | <a href="#">126108</a>                 | Retired | 108                | 4-1/4                | –               | –                   | A2 / A6              |
| <a href="#">106111</a>        | Retired | <a href="#">126111</a>                 | Retired | 111                | 4-3/8                | –               | –                   | A2 / A6              |
| <a href="#">106114</a>        | Retired | <a href="#">126114</a>                 | Retired | 114                | 4-1/2                | 4               | 4                   | A2 / A6              |
| <a href="#">106121</a>        | Retired | <a href="#">126121</a>                 | \$32.00 | 121                | 4-3/4                | –               | –                   | A2 / A6              |
| <a href="#">106127</a>        | Retired | <a href="#">126127</a>                 | Retired | 127                | 5                    | –               | –                   | A2 / A6              |
| <a href="#">106133</a>        | Retired | <b>not available</b>                   |         | 133                | 5-1/4                | –               | –                   | A2 / A6              |
| <a href="#">106140</a>        | Retired | <a href="#">126140</a>                 | Retired | 140                | 5-1/2                | –               | 5                   | A2 / A6              |
| <a href="#">106152</a>        | Retired | <a href="#">126152</a>                 | Retired | 152                | 6                    | –               | –                   | A2 / A6              |
| <a href="#">106160</a>        | Retired | <a href="#">126160</a>                 | Retired | 160                | 6-5/16               | –               | –                   | A2 / A6              |
| <a href="#">106168</a>        | Retired | <a href="#">126168</a>                 | Retired | 168                | 6-5/8                | –               | –                   | A2 / A6              |
| <a href="#">106177</a>        | Retired | <b>not available</b>                   |         | 177                | 6-31/32              | –               | –                   | A2 / A6              |
| <a href="#">106200</a>        | Retired | <a href="#">126200</a>                 | Retired | 210                | 8-1/4                | –               | –                   | A2 / A6              |

# **RUKO** Tools – Hole Saws

## Arbor Holders with Pilot Drill

To select the correct arbor size, find the arbors that are compatible with your hole saw diameter.

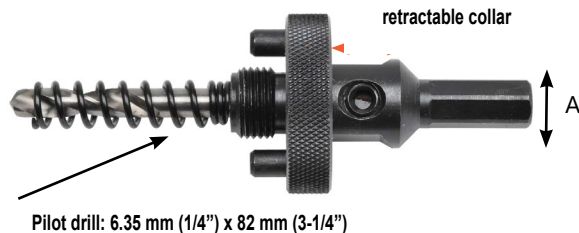
From those, choose one with a shank size that fits into your drill chuck.

Arbors include HSS pilot bit, ejector spring and 4 mm allen wrench.



Part Numbers [106202](#), [106209](#)

| RUKO Arbor Holders with Pilot Drill for HSS Hole Saws |         |                           |                    |                         |             |                   |
|---|---------|---------------------------|--------------------|-------------------------|-------------|-------------------|
| Part # High Speed Steel                               | Price   | Hole Saws Diameter (inch) | Arbor Holders Type | Shank Diameter (inch) A | Shank Shape | Thread            |
| <a href="#">106201</a>                                | \$7.50  | 9/16 - 1-3/16             | A1                 | 7/16                    | Hex         | 1/2in x 20 thread |
| <a href="#">106202</a>                                | \$14.00 | 1-1/4 - 8-1/4             | A2                 | 7/16                    | Hex         | 5/8in x 18 thread |
| <a href="#">106209</a>                                | \$14.00 | 1-1/4 - 8-1/4             | A6                 | 3/8                     | Hex         | 5/8in x 18 thread |
| <a href="#">106210</a>                                | \$10.00 | 9/16 - 1-3/16             | A5                 | 3/8                     | Hex         | 1/2in x 20 thread |



## Pilot Drills



| RUKO Pilot Drill for HSS and HSS Co8 Hole Saws |        |                                  |        |                    |   |
|--|--------|----------------------------------|--------|--------------------|---|
| Part # High Speed Steel                        | Price  | Part # High Speed Steel Cobalt 8 | Price  | Arbor Holders Type | Description   |
| <a href="#">106206</a>                         | \$4.50 | <a href="#">126206</a>           | \$8.25 | A1, A2, A5, A6     | Pilot drill HSS / HSS Co 5, ground, Ø 6.35 mm x 82 mm and split point in accordance with DIN 1412 C |

# **RUKO** Tools – Hole Saw Kits

Bi-Metal hole saw kits include either 6, 10 or 15 High-speed steel or Colbalt 8 hole saws of various sizes in a plastic case.



[106304](#)

| RUKO Bi-Metal Hole Saw Kits |         |                           |          |              |  |                 |           |
|-----------------------------|---------|---------------------------|----------|--------------|--|-----------------|-----------|
| Part # HSS Varied Tooth     | Price   | Part # HSS-Co8 Fine Tooth | Price    | Type         | Hole Saw Diameters Included inches (mm)  | Arbors Included | Pcs / Pkg |
| <a href="#">106302</a>      | \$90.00 | <a href="#">126302</a>    | \$92.00  | Electricians | 7/8, 1-1/8, 1-3/8, 1-3/4, 2, 2-11/16 (22.0, 29.0, 35.0, 44.0, 51.0, 68.0)  | A2, A4          | 8         |
| <a href="#">106304</a>      | Retired | <a href="#">126304</a>    | \$137.00 | Super        | 7/8, 1, 1-1/4, 1-3/8, 1-5/8, 1-3/4, 2, 2-1/8, 2-3/8, 2-1/2 (22.0, 25.0, 32.0, 35.0, 41.0, 44.0, 51.0, 54.0, 60.0, 64.0)  | A2, A4          | 12        |
| <a href="#">106318</a>      | Retired | <a href="#">126318*</a>   | \$277.00 | Premium      | 5/8, 3/4, 13/16, 15/16, 1, 1-1/8, 1-1/4, 1-7/16, 1-9/16, 1-7/8, 2, 2-1/8, 2-3/8, 2-7/8, 3-1/4 (16.0, 19.0, 21.0, 24.0, 25.0, 29.0, 32.0, 37.0, 40.0, 48.0, 51.0, 54.0, 60.0, 73.0, 83.0) | A1, A2          | 19        |

\*Includes 1/4" pilot drill and 11.81 inch long extension



# Tools – Hole Saws

## Recommended Cutting Speeds

| RUKO Hole Saws Recommended Cutting Speeds |      |  |                                 |                           |                |                                   |                 |                |                |
|---|------|--|---------------------------------|---------------------------|----------------|-----------------------------------|-----------------|----------------|----------------|
| Material                                  |      | High carbon structural steel up to 101,521 psi | Alloyed steel up to 145,037 psi | Cast iron over 36,259 psi | CuZn alloy     | Aluminium alloy up to 11% Silicon | Thermo-plastics | Duro-plastics  | Wood           |
| Vc = m/min                                |      | 30   | 20                              | 10                        | 35             | 30                                | 20              | 15             | 40             |
| Coolant                                   |      | Cutting spray                                  | Cutting spray                   | Compressed air            | Compressed air | Cutting spray                     | Water           | Compressed air | Compressed air |
| Ø inch                                    | Ø mm | r.p.m.   | r.p.m.                          | r.p.m.                    | r.p.m.         | r.p.m.                            | r.p.m.          | r.p.m.         | r.p.m.         |
| 9/16                                      | 14   | 682  | 455                             | 227                       | 796            | 682                               | 455             | 341            | 910            |
| 5/8                                       | 16   | 597  | 398                             | 199                       | 697            | 597                               | 398             | 299            | 796            |
| 11/16                                     | 17   | 562  | 375                             | 187                       | 656            | 562                               | 375             | 281            | 749            |
| 3/4                                       | 19   | 503  | 335                             | 168                       | 587            | 503                               | 335             | 251            | 670            |
| 25/32                                     | 20   | 477  | 318                             | 159                       | 557            | 477                               | 318             | 239            | 637            |
| 13/16                                     | 21   | 455  | 303                             | 152                       | 531            | 455                               | 303             | 227            | 607            |
| 7/8                                       | 22   | 434  | 290                             | 145                       | 507            | 434                               | 290             | 217            | 579            |
| 15/16                                     | 24   | 398  | 265                             | 133                       | 464            | 398                               | 265             | 199            | 531            |
| 1   | 25   | 382  | 255                             | 127                       | 446            | 382                               | 255             | 191            | 510            |
| 1-1/16                                    | 27   | 354  | 236                             | 118                       | 413            | 354                               | 236             | 177            | 472            |
| 1-1/8                                     | 29   | 329  | 220                             | 110                       | 384            | 329                               | 220             | 165            | 439            |
| 1-3/16                                    | 30   | 318  | 212                             | 106                       | 372            | 318                               | 212             | 159            | 425            |
| 1-1/4                                     | 32   | 299  | 199                             | 100                       | 348            | 299                               | 199             | 149            | 398            |
| 1-5/16                                    | 33   | 290  | 193                             | 97                        | 338            | 290                               | 193             | 145            | 386            |
| 1-3/8                                     | 35   | 273  | 182                             | 91                        | 318            | 273                               | 182             | 136            | 364            |
| 1-13/32                                   | 36   | 265  | 177                             | 88                        | 310            | 265                               | 177             | 133            | 354            |
| 1-7/16                                    | 37   | 258  | 172                             | 86                        | 301            | 258                               | 172             | 129            | 344            |
| 1-1/2                                     | 38   | 251  | 168                             | 84                        | 293            | 251                               | 168             | 126            | 335            |
| 1-9/16                                    | 40   | 239  | 159                             | 80                        | 279            | 239                               | 159             | 119            | 318            |
| 1-5/8                                     | 41   | 233  | 155                             | 78                        | 272            | 233                               | 155             | 117            | 311            |
| 1-11/16                                   | 43   | 222  | 148                             | 74                        | 259            | 222                               | 148             | 111            | 296            |
| 1-3/4                                     | 44   | 217  | 145                             | 72                        | 253            | 217                               | 145             | 109            | 290            |
| 1-13/16                                   | 46   | 208  | 138                             | 69                        | 242            | 208                               | 138             | 104            | 277            |
| 1-7/8                                     | 48   | 199  | 133                             | 66                        | 232            | 199                               | 133             | 100            | 265            |
| 2   | 51   | 187  | 125                             | 62                        | 219            | 187                               | 125             | 94             | 250            |
| 2-1/16                                    | 52   | 184  | 122                             | 61                        | 214            | 184                               | 122             | 92             | 245            |
| 2-1/8                                     | 54   | 177  | 118                             | 59                        | 206            | 177                               | 118             | 88             | 236            |
| 2-11/64                                   | 55   | 174  | 116                             | 58                        | 203            | 174                               | 116             | 87             | 231            |
| 2-1/4                                     | 57   | 168  | 112                             | 56                        | 196            | 168                               | 112             | 84             | 223            |
| 2-5/16                                    | 59   | 162  | 108                             | 54                        | 189            | 162                               | 108             | 81             | 216            |
| 2-3/8                                     | 60   | 159  | 106                             | 53                        | 186            | 159                               | 106             | 80             | 212            |
| 2-15/32                                   | 63   | 152  | 101                             | 51                        | 177            | 152                               | 101             | 76             | 202            |
| 2-1/2                                     | 64   | 149  | 100                             | 50                        | 174            | 149                               | 100             | 75             | 199            |
| 2-9/16                                    | 65   | 147  | 98                              | 49                        | 171            | 147                               | 98              | 73             | 196            |
| 2-5/8                                     | 67   | 143  | 95                              | 48                        | 166            | 143                               | 95              | 71             | 190            |
| 2-11/16                                   | 68   | 141  | 94                              | 47                        | 164            | 141                               | 94              | 70             | 187            |
| 2-3/4                                     | 70   | 136  | 91                              | 45                        | 159            | 136                               | 91              | 68             | 182            |
| 2-7/8                                     | 73   | 131  | 87                              | 44                        | 153            | 131                               | 87              | 65             | 175            |
| 3   | 76   | 126  | 84                              | 42                        | 147            | 126                               | 84              | 63             | 168            |
| 3-1/8                                     | 79   | 121  | 81                              | 40                        | 141            | 121                               | 81              | 60             | 161            |
| 3-1/4                                     | 83   | 115  | 77                              | 38                        | 134            | 115                               | 77              | 58             | 153            |
| 3-3/8                                     | 86   | 111  | 74                              | 37                        | 130            | 111                               | 74              | 56             | 148            |
| 3-1/2                                     | 89   | 107  | 72                              | 36                        | 125            | 107                               | 72              | 54             | 143            |





# Tools – Hole Saws – Recommended Cutting Speeds, continued

| RUKO Hole Saws Recommended Cutting Speeds, continued |  |                                 |                           |                |                                   |                 |                |                |        |
|--|--|---------------------------------|---------------------------|----------------|-----------------------------------|-----------------|----------------|----------------|--------|
| Material   | High carbon structural steel up to 101,521 psi | Alloyed steel up to 145,037 psi | Cast iron over 36,259 psi | CuZn alloy     | Aluminium alloy up to 11% Silicon | Thermo-plastics | Duro-plastics  | Wood           |        |
| Vc = m/min   | 30   | 20                              | 10                        | 35             | 30                                | 20              | 15             | 40             |        |
| Coolant  | Cutting spray                                  | Cutting spray                   | Compressed air            | Compressed air | Cutting spray                     | Water           | Compressed air | Compressed air |        |
| Ø inch   | Ø mm   | r.p.m.                          | r.p.m.                    | r.p.m.         | r.p.m.                            | r.p.m.          | r.p.m.         | r.p.m.         | r.p.m. |
| 3-5/8  | 92   | 104                             | 69                        | 35             | 121                               | 104             | 69             | 52             | 138    |
| 3-3/4  | 95   | 101                             | 67                        | 34             | 117                               | 101             | 67             | 50             | 134    |
| 3-7/8  | 98   | 97                              | 65                        | 32             | 114                               | 97              | 65             | 49             | 130    |
| 4  | 102  | 94                              | 62                        | 31             | 109                               | 94              | 62             | 47             | 125    |
| 4-1/8  | 105  | 91                              | 61                        | 30             | 106                               | 91              | 61             | 45             | 121    |
| 4-1/4  | 108  | 88                              | 59                        | 29             | 103                               | 88              | 59             | 44             | 118    |
| 4-3/8  | 111  | 86                              | 57                        | 29             | 100                               | 86              | 57             | 43             | 115    |
| 4-1/2  | 114  | 84                              | 56                        | 28             | 98                                | 84              | 56             | 42             | 112    |
| 4-3/4  | 121  | 79                              | 53                        | 26             | 92                                | 79              | 53             | 39             | 105    |
| 5  | 127  | 75                              | 50                        | 25             | 88                                | 75              | 50             | 38             | 100    |
| 5-1/4  | 133  | 72                              | 48                        | 24             | 84                                | 72              | 48             | 36             | 96     |
| 5-1/2  | 140  | 68                              | 45                        | 23             | 80                                | 68              | 45             | 34             | 91     |
| 6  | 152  | 63                              | 42                        | 21             | 73                                | 63              | 42             | 31             | 84     |
| 6-5/16   | 160  | 60                              | 40                        | 20             | 70                                | 60              | 40             | 30             | 80     |
| 6-5/8  | 168  | 57                              | 38                        | 19             | 66                                | 57              | 38             | 28             | 76     |
| 6-31/32  | 177  | 54                              | 36                        | 18             | 63                                | 54              | 36             | 27             | 72     |
| 8-1/4  | 210  | 45                              | 30                        | 15             | 53                                | 45              | 30             | 23             | 61     |

Note: Vc equals the recommended maximum linear speed of hole saw for each material.



## Tools – Jig Saw Blades

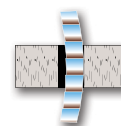
RUKO T-shank jig saw blades in 5 or 20 piece sets for a variety of applications.

Fits power tools by Bosch®, Atlas Copco®, AEG®, Makita®, Metabo®, Black and Decker® and Hitachi®.

- All models have a wavy side set to prevent clamping of the saw blade in the work piece.
- Narrow blades (7.1 mm height) are suitable for profiled cuts.
- Bi-metal blades have a high-speed steel (HSS) cutting edge and high carbon steel (HCS) spine. This makes them highly flexible with high cutting performance and long service life for conditions where the saw blade is subjected to extreme stresses.






















Wavy Side Set





| Jig Saw Blades          |          |         |              |               |  |  |
|-------------------------|----------|---------|--------------|---------------|--|--|
| Part #                  | Pcs/ Pkg | Price   | Construction | Tooth Spacing | Recommended Applications   | Dimensions Length x Height x Thickness         |
| <a href="#">3218009</a> | 5        | Retired | HSS          | 24 teeth/in   | Metals up to 5/64in [2mm]<br>Fiberglass up to 5/32in [4mm]<br>Hard plastics, hard fabrics, pressed materials and insulation materials up to 5/16in [8mm] | 77.0 x 7.1 x 1.0 mm<br>[3.03 x 9/32 x 0.04 in] |
| <a href="#">3238009</a> | 20       | Retired |              |               |  |  |
| <a href="#">3218011</a> | 5        | Retired | HSS          | 14 teeth/in   | Mild steel up to 5/16in [4mm]<br>Stainless steel up to 7/64in [3mm]<br>Non-ferrous metals up to 3/8in [9.5 mm]   | 77.0 x 7.9 x 1.0 mm<br>[3.03 x 5/16 x 0.04 in] |
| <a href="#">3238011</a> | 20       | Retired |              |               |  |  |
| <a href="#">3218033</a> | 5        | Retired | Bi-metal     | 21 teeth/in   | Mild steel, stainless steel and non-ferrous metals<br>1/16 to 5/32in [1.5 to 4 mm]   | 77.0 x 7.9 x 1.0 mm<br>[3.03 x 5/16 x 0.04 in] |
| <a href="#">3238033</a> | 20       | Retired |              |               |  |  |

Note - Competitive blade specifications may vary.

# Tools – Deburring Tools

| Deburring Tools        |             |         |  |   |   |
|------------------------|-------------|---------|--|---|---|
| Part #                 | Pcs/<br>Pkg | Price   | Description  | Common Uses   |   |
| <a href="#">107010</a> | 1           | \$6.25  | Universal deburring Handle, with spare blade storage compartment | -   |    |
| <a href="#">107011</a> | 1           |         | Steel blade holder for B blades                                  | -   |    |
| <a href="#">107012</a> | 1           | \$11.50 | Deburring blade - B10  | HSS blade most commonly used for internal and external deburring work on long-chipping materials such as steel, aluminum, plastics etc.                       |    |
| <a href="#">107014</a> | 1           | Retired | Deburring blade - B20  | HSS blade used for short-chipping materials such as brass and cast iron. Can be used in both directions.  |    |
| <a href="#">107015</a> | 1           | \$13.00 | Deburring blade - B30  | HSS blade suitable for the simultaneous deburring of inside and outside bores in material up to 5/32" thick.  |    |
| <a href="#">107016</a> | 1           | Retired | Deburring blade - B50  | Scriber with carbide-tipped point, regrindable.   |    |
| <a href="#">107019</a> | 1           | Retired | Steel blade holder for C blades                                  | -   |    |
| <a href="#">107020</a> | 1           | Retired | Deburring blade - C40  | Small HSS triangular scraper for precision work on surfaces up to 5/32" wide.   |    |
| <a href="#">107021</a> | 1           | Retired | Deburring blade - C42  | Large HSS triangular scraper for precision work on surfaces up to 5/16" wide.   |   |
| <a href="#">107025</a> | 1           | Retired | Steel blade holder for E blades                                  | -   |  |
| <a href="#">107026</a> | 1           | \$13.00 | Deburring blade - E100   | HSS blade with B 10 cutting edge, long shank only. For internal and external deburring work on long-chipping materials such as steel, aluminum, plastics etc. |  |
| <a href="#">107027</a> | 1           | Retired | Deburring blade - E200   | HSS blade with B 20 cutting edge, long shank only. For short-chipping materials such as brass and cast iron. Usable in both directions.                       |  |
| <a href="#">107028</a> | 1           | Retired | Deburring blade - E300   | HSS blade with B 30 cutting edge, long shank only. For simultaneous deburring of internal and external bores in materials up to 5/32" thick.                  |  |
| <a href="#">107029</a> | 1           | Retired | Deburring blade - E350   | HSS blade suitable for deburring straight edges, keyways etc.   |  |
| <a href="#">107031</a> | 1           | Retired | Steel blade holder for F countersinks                            | -   |  |
| <a href="#">107032</a> | 1           | Retired | Countersink F12  | HSS countersink for deburring holes up to 1/2" Dia  |  |
| <a href="#">107033</a> | 1           | Retired | Countersink F20  | HSS countersink for deburring holes up to 3/4" Dia  |  |
| <a href="#">107034</a> | 1           | Retired | Countersink F30  | HSS countersink for deburring holes up to 1-3/16" Dia   |  |
| <a href="#">107054</a> | 1           | \$10.00 | Deburring tool with changeable E100 Blade                        | Internal and External deburring on long-chipping materials such as steel, aluminum and plastic.   |  |

# Tools – Deburring Tool Kits

| Deburring Tool Kits           |         |         |   |   |  |
|-------------------------------|---------|---------|---|---|--|
| Part #                        | Pcs/Pkg | Price   | Description   | Includes  |  |
| <a href="#"><u>107003</u></a> | 1       | \$12.50 | Deburring Kit including Universal Handle, B Holder, B10 and B20 Blades          | <a href="#"><u>107010</u></a> , <a href="#"><u>107011</u></a> , <a href="#"><u>107012</u></a> , <a href="#"><u>107014</u></a>                                 |    |
| <a href="#"><u>107004</u></a> | 1       | Retired | Deburring Kit including Universal Handle, C Holder, and C42 Blade               | <a href="#"><u>107010</u></a> , <a href="#"><u>107019</u></a> , <a href="#"><u>107021</u></a>   |    |
| <a href="#"><u>107006</u></a> | 1       | \$14.50 | Deburring Kit including Universal Handle, E Holder, E100, E200, and E300 Blades | <a href="#"><u>107010</u></a> , <a href="#"><u>107025</u></a> , <a href="#"><u>107026</u></a> , <a href="#"><u>107027</u></a> , <a href="#"><u>107028</u></a> |  |
| <a href="#"><u>107007</u></a> | 1       | \$29.00 | Deburring Kit including Universal Handle, F Holder and F20 Countersink          | <a href="#"><u>107010</u></a> , <a href="#"><u>107031</u></a> , <a href="#"><u>107033</u></a>   |  |



# Multimeters and Clamp Meter

## Overview

Measure AC/DC voltage, current, resistance, continuity, capacitance, frequency, duty cycle, or temperature with one of these tough Southwire meters. Trust that all these Southwire meters meet or exceed the UL's various testing equipment standards and carry the UL mark. Regardless if just testing for the presence of voltage, or troubleshooting the toughest problem, we have you covered.

## Features

- Up to CAT IV safety ratings
- Test for AC/DC voltage, current, resistance, continuity, and more
- Auto and manual ranging
- Models available with non-contact voltage and detectors; built-in LED flashlight
- Models available with temperature function and include the thermocouple and adapter
- All include batteries and test leads



| Multimeters and Clamp Meter   |  |          |              |         |
|-------------------------------|--|----------|--------------|---------|
| Part Number                   | Description  | Price    | Weight (lbs) | Qty/Pkg |
| <a href="#"><u>10031S</u></a> | Southwire General Purpose manual ranging digital multimeter, AC/DC voltage, DC current, resistance, continuity and battery tester, CAT III 600V. Test leads included.  | \$32.50  | 0.91         | 1       |
| <a href="#"><u>10041N</u></a> | Southwire General Purpose autoranging digital multimeter, AC/DC voltage, AC/DC current, resistance, continuity, capacitance, frequency, non-contact AC voltage detection, battery tester and temperature, CAT III 600V. Test leads included. | \$52.00  | 0.97         | 1       |
| <a href="#"><u>14060S</u></a> | Southwire TechnicianPRO autoranging digital multimeter, AC/DC voltage, AC/DC current, resistance, continuity, capacitance, frequency and temperature, CAT IV 600V/CAT III 1000V. Test leads included.  | \$111.00 | 1.7          | 1       |
| <a href="#"><u>16020N</u></a> | Southwire Compact Series autoranging digital multimeter, AC/DC voltage, AC/DC current, resistance, continuity, capacitance, frequency and non-contact AC voltage detection, CAT I VAC 600V. Built-in test leads included.                    | \$39.50  | 0.64         | 1       |
| <a href="#"><u>23070T</u></a> | Southwire MaintenancePRO clamp-on multimeter, True RMS AC/DC voltage, AC/DC current, resistance, continuity, capacitance and frequency, CAT IV 600V/CAT III 1000V. Test leads included.  | \$206.00 | 1.84         | 1       |


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# Multimeters

| Safety Category Ratings |   |   |
|-------------------------|---|---|
| Category Rating         | Brief Description   | Typical Applications  |
| <b>CAT IV</b>           | Connection point to utility power and outdoor conductors                        | <ul style="list-style-type: none"> <li>Electricity meters, primary overcurrent protection equipment</li> <li>Outside and service entrance, service drop from pole to building, run between meter and panel</li> <li>Overhead line to detached building, underground line to well pump</li> </ul>  |
| <b>CAT III</b>          | Three-phase circuits and single phase lighting circuits in commercial buildings | <ul style="list-style-type: none"> <li>Equipment in fixed installations, such as switchgear and polyphase motors               <ul style="list-style-type: none"> <li>Bus and feeder in industrial plants</li> </ul> </li> <li>Feeders and short branch circuits, distribution panel devices</li> <li>Lighting systems in larger buildings</li> <li>Appliance outlets with short connections to service entrance</li> </ul> |
| <b>CAT II</b>           | Single-phase receptacles and connected loads                                    | <ul style="list-style-type: none"> <li>Appliance, portable tools, and other household and similar loads               <ul style="list-style-type: none"> <li>Outlet and long branch circuits</li> </ul> </li> <li>Outlets at more than 10 meters (30 feet) from CAT III source</li> <li>Outlets at more than 20 meters (60 feet) from CAT IV source</li> </ul>  |
| <b>CAT I</b>            | Electronics   | <ul style="list-style-type: none"> <li>Protected electronic equipment</li> <li>Equipment connected to (source) circuits in which measures are taken to limit transient overvoltages to an appropriately low level</li> </ul>  |

The measurement category (CAT) rating and voltage rating is determined by a combination of the meter, test probes and any accessories connected to the meter and test probes. The combination rating is the **LOWEST** of any individual component.

Work on de-energized circuits whenever possible. Use proper lock-out/tag-out procedures. Always assume a circuit is live until verified otherwise.

When working on live power circuits the protection of flame resistant clothing, safety glasses or safety face shield, and insulated gloves should be worn at a minimum.

As a rule of thumb the closer the tested device is to the power source the higher the Category Level should be. Category Levels (CAT) are determined by UL & IEC and are explained in detail in IEC61010.

| Multimeters Specifications |                               |                        |                        |                             |
|----------------------------|-------------------------------|------------------------|------------------------|-----------------------------|
| Family                     | TechnicianPRO™                | Compact Series         | General Purpose        |                             |
| <b>Model Number</b>        | <a href="#">14060S</a>        | <a href="#">16020N</a> | <a href="#">10041N</a> | <a href="#">10031S</a>      |
| <b>Safety Rating</b>       | CAT IV 600V,<br>CAT III 1000V | CAT IV 600V            | CAT III 600V           | CAT III 300V<br>CAT II 600V |
| <b>AC/DC Voltage</b>       | 1000V                         | 600V                   | 600V                   | 600V                        |
| <b>AC/DC Current</b>       | 10A                           | 200mA                  | 10A                    | 10A (DC only)               |
| <b>Input Impedance</b>     | 10MΩ AC/DC Voltage            | > 7.5MΩ AC/DC Voltage  | > 10MΩ AC/DC Voltage   |                             |
| <b>Backlighting</b>        | Controls, Display             | Display                | Display                | -                           |
| <b>MAX/MIN</b>             | X                             | -                      | -                      | -                           |
| <b>Temperature</b>         | X                             | -                      | X                      | -                           |
| <b>Built-in NCV*</b>       | -                             | 100V-600V              | 50V-600V               | -                           |
| <b>Peak Hold</b>           | -                             | -                      | -                      | -                           |
| <b>Resistance</b>          | 60MΩ                          | 40MΩ                   | 40MΩ                   | 2.0 MΩ                      |
| <b>Diode Test</b>          | X                             | X                      | X                      | -                           |
| <b>Capacitance</b>         | 4000μF                        | 100μF                  | 100μF                  | -                           |
| <b>Frequency</b>           | 10kHz                         | 10kHz                  | 10kHz                  | -                           |
| <b>Duty Cycle</b>          | X                             | X                      | X                      | -                           |
| <b>Built-in-Worklight</b>  | X                             | X                      | -                      | -                           |
| <b>Drop Protection</b>     | 2m                            | 2m                     | 2m                     | 2m                          |

\* NCV - Non-Contact Voltage


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# Clamp Meter

## Overview

The Southwire23070T MaintenancePRO™ 1000A TrueRMS AC/DC clamp meter measures AC and DC current up to 1000A and with a UL listed safety rating of CAT IV 600V / CAT III 1000V, this clamp meter is built to get the tough jobs done. Other functions include: AC and DC Voltage, Resistance, Continuity, Capacitance, Frequency, Duty Cycle, Temperature, and Diode Test. A built-in non-contact AC voltage detector and flashlight provide added convenience.



## Features

- CAT IV 600V / CAT III 1000V
- 11 measuring functions
- Clamp-On function reads both AC and DC current up to 1000 Amps
- Built in non-contact AC voltage detector
- Powerful LED work light
- Includes test leads, Type K temperature probe with banana plug adapter, carrying case, and 9 volt battery

| Clamp Meter Specifications |                              |
|----------------------------|------------------------------|
| <b>Model Number</b>        | 23070T                       |
| <b>Safety Rating</b>       | CAT IV 600V<br>CAT III 1000V |
| <b>AC/DC Voltage</b>       | 1000V                        |
| <b>AC Current</b>          | 1000A                        |
| <b>DC Current</b>          | 1000A                        |
| <b>True RMS</b>            | X                            |
| <b>Input Impedance</b>     | 10MΩ AC/DC Voltage           |
| <b>Worklight</b>           | X                            |
| <b>Backlit Display</b>     | X                            |
| <b>Drop Protection</b>     | 1.5m                         |
| <b>Display Count</b>       | 6000                         |
| <b>Bar Graph</b>           | X                            |
| <b>MAX/MIN/AVG</b>         | MAX/MIN                      |
| <b>Temperature</b>         | X                            |
| <b>Built-in NCV*</b>       | 100-1000V                    |
| <b>Resistance</b>          | 60MΩ                         |
| <b>Continuity</b>          | X                            |
| <b>Diode Test</b>          | X                            |
| <b>Capacitance</b>         | 6000μF                       |
| <b>Frequency</b>           | 10MHz                        |
| <b>Duty Cycle</b>          | X                            |
| <b>Auto Power Off</b>      | -                            |

\* NCV - Non-Contact Voltage




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TOOLS &amp; EQUIPMENT

# Voltage Testers


**40126N**

## 40126N NCV Dual Range 24-600V & 100-600V AC

- Green LED means power on, flashing red LED with beeper means voltage detected
- Low battery self-test
- Two modes: green means high voltage mode, yellow means low voltage mode
- Bright LED flashlight
- Thinner probe tip for working with wall outlets
- On/Off power switch
- Pocket clip for easy storage

| Voltage Tester              |  |         |              |         |
|-----------------------------|--|---------|--------------|---------|
| Part Number                 | Description  | Price   | Weight (lbs) | Qty/Pkg |
| <b>40126N</b>               | Southwire voltage tester, non-contact AC voltage detection, CAT IV 600V. | \$19.00 | 0.21         | 1       |
| * NCV - Non-Contact Voltage |  |         |              |         |

| Voltage Tester Specifications    |                              |
|----------------------------------|------------------------------|
| <b>Model #</b>                   | 40126N                       |
| <b>Safety Rating</b>             | CAT IV 600V                  |
| <b>Voltage Measurement Range</b> | 24-600 VAC                   |
| <b>NCV* Detection Range</b>      | 24-600 VAC                   |
| <b>Input Impedance</b>           | -                            |
| <b>Frequency Range</b>           | 50/60 Hz                     |
| <b>Display</b>                   | -                            |
| <b>Worklight</b>                 | Yes                          |
| <b>Test Leads</b>                | -                            |
| <b>On/Off Button</b>             | Yes                          |
| <b>Low Batt Self Test</b>        | Yes                          |
| <b>Auto Power Off</b>            | Yes                          |
| <b>Drop Protection</b>           | 1.5m                         |
| <b>Operating Temperature</b>     | 32 to 104°F [0 to 40°C]      |
| <b>Storage Temperature</b>       | 14 to 140°F [-10 to 60°C]    |
| <b>Maximum altitude</b>          | 2000m                        |
| <b>Humidity</b>                  | Max 80% RH (NC)              |
| <b>Power</b>                     | Two AAA batteries (included) |



# Cable and Continuity Testers

## Overview

The Southwire 40040S provides a simple way of checking continuity on wires and cables. The bright LEDs and loud beeper provide a positive indication of continuity and polarity. The M550 gives instant continuity status for category and coaxial cables. Featuring rugged double molded tester body and easy-to-interpret LED display. Both have a detachable remote that allows cables and wires to be tested after installation.

## Features

- 40040S can trace up to 3 cables at a time
- Detachable remote indicator
- LEDs provide visual indication of continuity
- Audible beeper on 40040S provides additional verification of electrical connections
- M550 data/video cable tester detects issues with network and coaxial cables
- M550 test for correct wiring, opens, shorts, reversals, miswires, split pairs, and shielded cables
- The M550 removable remote allows for the testing of installed cable
- Both units come with leads and cable required to connect to any number of cable types
- Batteries included



40040S

M550

| Continuity Tester Specifications |                           |                              |
|----------------------------------|---------------------------|------------------------------|
| Model #                          | 40040S                    | M550                         |
| Indicators                       | LED                       | LED                          |
| Maximum Cable Length             | 10,000 feet (3000m)       | 1000 feet (305m)             |
| On/Off Button                    | Yes                       |                              |
| Auto Power Off                   | No                        |                              |
| Operating Temperature            | 10 to 113°F [-12 to 45°C] | 32 to 122°F [0 to 50°C]      |
| Storage Temperature              | -4 to 140°F [-20 to 60°C] |                              |
| Humidity                         | Max 90% RH (NC)           | Max 80% RH (NC)              |
| Power                            | One 9 volt battery        | Two AAA batteries (included) |

| Testers Selection Table |  |         |              |        |
|-------------------------|--|---------|--------------|--------|
| Part Number             | Description  | Price   | Weight (lbs) | QtyPkg |
| <b>40040S</b>           | Southwire continuity tester, remote included, for individual wires and multiconductor cables.              | \$32.00 | 0.46  lb     | 1      |
| <b>M550</b>             | Southwire data/video cable tester, for Cat 7, Cat 7a, Cat 6a, Cat 6, Cat 5e, Cat 5, Cat 4, Cat 3 and Coax. | \$49.50 | 0.51  lb     | 1      |



**Southwire™**

TOOLS & EQUIPMENT

# Test Kit

## Features

- The 10031S multimeter measures AC/DC voltage, DC current, resistance, and functions as a battery tester with a safety rating of CAT III 600V. This makes this specific multimeter a must-have for every toolbox
- The 40117N Non-Contact AC Voltage Detector has flashing green LED to indicate it is on, which changes to red and a beeper sounds if voltage is detected
- Convenient LED Flashlight in the 40117N saves space in your pocket or tool pouch
- Auto power-off feature for both the [10031S](#) and 40117N to conserve and extend battery life
- Receptacle tester detects wiring configurations and indicates correct wiring, open ground, open hot, open neutral, hot/ground reversed and hot/neutral reversed
- Includes test leads and batteries for [10031S](#) and 40117N



| Test Kit               |  |         |              |         |
|------------------------|--|---------|--------------|---------|
| Part Number            | Description  | Price   | Weight (lbs) | Qty/Pkg |
| <a href="#">10037K</a> | Southwire electrical test kit, includes 10031S manual-ranging multimeter, a non-contact AC voltage detector and receptacle tester. | \$38.50 | 1.2          | 1       |

| Test Kit Specifications          |                           |                              |                 |
|----------------------------------|---------------------------|------------------------------|-----------------|
| Model #                          | 10031S                    | 40117N                       | 40012S          |
| <b>Safety Rating</b>             | CAT III 300V CAT II 600V  | CAT IV 1000V                 | -               |
| <b>Voltage Measurement Range</b> | 600V                      | -                            | 110-125VAC      |
| <b>DC Current</b>                | 20mA/200mA/10A (fused)    | -                            | -               |
| <b>NCV* Detection Range</b>      | -                         | 90VAC - 1000VAC              | -               |
| <b>Frequency Range</b>           | 45 Hz - 400 Hz            | 50/60 Hz                     | 60 Hz           |
| <b>Display / Indicator</b>       | LCD                       | Red/Green LEDES              | Reg/Amber LEDES |
| <b>Worklight</b>                 | -                         | Yes                          | -               |
| <b>Test Leads</b>                | Removable                 | -                            | -               |
| <b>On/Off Button</b>             | Rotary Switch             | Momentary Button             | -               |
| <b>Hold</b>                      | Manual (Button)           | -                            | -               |
| <b>Low Batt Self Test</b>        | -                         | X                            | -               |
| <b>Auto Power Off</b>            | >15 minutes               | >5 minutes                   | -               |
| <b>Operating Temperature</b>     | 32 to 104°F [0 to 40°C]   |                              |                 |
| <b>Storage Temperature</b>       | 14 to 122°F [-10 to 50°C] |                              |                 |
| <b>Maximum altitude</b>          | 2133m                     | 2000m                        |                 |
| <b>Humidity</b>                  | Max 80% RH (NC)           |                              |                 |
| <b>Power</b>                     | One 9V battery (included) | Two AAA batteries (included) | -               |

\* NCV - Non-Contact Voltage



**Southwire™**

TOOLS & EQUIPMENT

# Wire Cutters/Pliers Strippers/Shears

## Overview

Southwire's pliers and cutters are made from American forged steel and assembled with hot rivet technology. These tools are built to withstand the wear-and-tear of any job. The inclusion of beveled cutting edges with heat-treated steel and comfortable handles make working with all gauges or wire and cable effortless.



| Wire Cutters/Pliers/Strippers/Shears |  |             |         |              |         |
|--------------------------------------|--|-------------|---------|--------------|---------|
| Part Number                          | Description  | Tool Length | Qty/Pkg | Weight (lbs) | Price   |
| <a href="#"><u>S1020SOLUS</u></a>    | Southwire multi-purpose cutting and stripping tool, beveled cutting edges, 22-10 AWG capacity.   | 6in         | 1       | 0.31         | \$12.50 |
| <a href="#"><u>DCPA8D-US</u></a>     | Southwire diagonal cutters, 8.0in (203mm) overall length, induction hardened beveled cutting edges, 15-degree angled head, comfort grip handles.   | 8in         | 1       | 0.63         | \$37.00 |
| <a href="#"><u>CCP9D-US</u></a>      | Southwire cable shears, 9.0in (229mm) overall length, induction hardened shear cutting edges, comfort grip handles.  | 9in         | 1       | 1.03         | \$37.50 |
| <a href="#"><u>SCP9TPCD-US</u></a>   | Southwire linesmans pliers, 9.0in (229mm) overall length, induction hardened beveled cutting edges, comfort grip handles. Additional features include fish tape pulling and conduit reaming. | 9in         | 1       | 1.07         | \$41.50 |
| <a href="#"><u>TCC9D-US</u></a>      | Southwire crimping pliers, multiple profile, 22-10 AWG capacity, compatible with insulated and non-insulated terminals and connectors.   | 9in         | 1       | 0.96         | \$33.00 |



[S1020SOLUS](#)

- Strips and cuts up to 10-20 AWG solid and 12-22 AWG stranded wire
- Double-dipped grip for comfortable fit
- Serrated nose holds cable for easy twisting and pulling
- Spring-loaded for self-opening action



[DCPA8D-US](#)

- Effectively cuts most hardened wire, ACSR, bolts, screws and nails
- High-leverage design provides maximum cutting power
- Angled head allows for easy work in confined spaces



[CCP9D-US](#)

- Cuts up to 4/0 AWG aluminum, 2/0 AWG copper, and 100-pair 24 AWG communications cable
- Induction hardened blades for maximum durability
- Dipped handles for comfort



[SCP9TPCD-US](#)

- High-leverage design provides maximum cutting power
- Induction hardened cutting blades ensure efficient and lasting cutting surfaces for hard and soft wire
- Features a crimper, fish tape puller and reaming head for added versatility



[TCC9D-US](#)

- Crimps insulated and non-insulated terminals and connectors
- Specially hardened wire cutter in nose
- Tapered nose for working in confined spaces



**Southwire™** | TOOLS & EQUIPMENT

# Cable Shears and Pliers

## Overview

Southwire's cable shears and pliers are built to withstand wear-and-tear of any job. The inclusion of beveled cutting edges with heat-treated steel and comfortable handles make working with all gauges or wire and cable effortless.

| Cable Shears and Pliers |  |             |         |              |         |
|-------------------------|--|-------------|---------|--------------|---------|
| Part Number             | Description  | Tool Length | Qty/Pkg | Weight (lbs) | Price   |
| <b>MP61</b>             | Southwire multi-purpose crimping pliers, multiple profile, 22-10 AWG capacity, compatible with insulated and non-insulated terminals and connectors. | 9in         | 1       | 0.49         | \$26.00 |



**MP61**

## Features

- Strips and cuts: 8-22 AWG solid or 10-24 AWG stranded
- Crimps: insulated and non-insulated terminals/connectors
- Shears & re-threads: 10-24, 10-32, 8-32, 6-32, and 4-40 screws



# Nutdriver Sets

## ND6N1HD Nutdriver Set



- 6 IN 1 Multi-driver with 3/16", 1/4", 5/16", 3/8", 7/16", 9/16" nut drivers.
- Heavy Duty steel shanks with bolsters for wrench assisted turning
- Comfort grip handle provides extra comfort and maximum torque
- Color coded ends for quick identification of sizes
- Chrome plated finish for corrosion resistance
- Hollow shafts for screw shank clearance

**ND6N1HD**

| <b>Nut Drivers and Set</b> |   |                     |                         |              |
|----------------------------|---|---------------------|-------------------------|--------------|
| <b>Part Number</b>         | <b>Description</b>  | <b>Pcs/<br/>Pkg</b> | <b>Weight<br/>(lbs)</b> | <b>Price</b> |
| <b><u>ND6N1HD</u></b>      | Southwire multi-bit reversible shaft nutdriver, 4 pieces, imperial, cushion grip handle, 1.4in (36mm) shaft length. | 4                   | 1                       | \$21.50      |





# Fish Tape

## Overview

Southwire's SIMpull™ fish tape makes pulling wire or cable through a filled or empty conduit up to 2 inches in diameter easily. The low friction design allows these fish tapes to easily glide through the conduit without binding at turns, joints, or couplings. Spiral extruded polymer reduces the amount of effort required to push or pull the fish tape through EMT, IMC, Rigid or PVC conduit and as an added bonus polymer fish tapes will not rust. Do not confuse these polymer tapes with a fiberglass tape. A polymer fish tape offers greater flexibility than fiberglass fish tapes. These fish tapes will not break when folded or leave uncomfortable splinters. With the swiveling flexible metal leader and the polymer non-conductive tape makes the job SIMpull.

## Features

- Spiral extruded polymer design reduces the amount of effort required to push or pull the fish tape.
- Swiveling flexible metal leader easily glides through bends
- Low friction material reduces binding at joints, couplings, or 90-degree bends
- Two lengths 75 or 125 feet
- 580 lbs. tensile strength
- 4.5mm diameter tape
- Weighs less than a steel tape



**FTSP45-75FML**



**FTSP45-125FML**

| Fish Tape                   |  |         |              |          |
|-----------------------------|--|---------|--------------|----------|
| Part Number                 | Description  | Pcs/Pkg | Weight (lbs) | Price    |
| <b><u>FTSP45-75FML</u></b>  | Southwire SIMpull fish tape, 75ft length, spiral extruded polymer, swiveling flexible metal leader, 580lb tensile strength.  | 1       | 2.77         | \$69.00  |
| <b><u>FTSP45-125FML</u></b> | Southwire SIMpull fish tape, 125ft length, spiral extruded polymer, swiveling flexible metal leader, 580lb tensile strength. | 1       | 3.35         | \$100.00 |



**Southwire™**

TOOLS & EQUIPMENT

# Misc Sets



**60010S**

## Features

- UL listed CAT IV 600V, CAT III 1000V Test Leads
- 39in test leads
- 1000V AC/DC (Max)
- 10 Amp Current (Max)
- Includes removable CAT III 600V Alligator Clips

| Miscellaneous Sets |  |         |              |         |
|--------------------|--|---------|--------------|---------|
| Part Number        | Description  | Pcs/Pkg | Weight (lbs) | Price   |
| <b>60010S</b>      | Southwire test lead set, CAT IV 600V/CAT III 1000V, 48in length. Alligator clip adapters included. | 1       | 0.31         | \$17.50 |


**Southwire™**

TOOLS &amp; EQUIPMENT

# Tool Accessories

## EDGEFORCE™ Hawk Bill Knife


HBKND2

- Premium D2 Stainless Steel Holds an edge
- Curved blade for pull cuts and splicing
- Rugged metal handle
- Stonewash black oxide coated blade
- Liner lock keeps blade secure
- Comfort grip for maximum hold and comfort
- Reversible belt clip

## Folding Utility Knife


UTILQO

- Quick open button for easy one hand operation
- Durable metal body with comfort grip for secure hold
- Easy blade replacement
- Rugged metal handle
- Comfort grip for maximum hold and comfort
- Quick open/close button
- Lanyard hole
- Belt clip

### Accessories Selection

| <b>Part Number</b> | <b>Description</b>  | <b>Weight (lbs)</b> | <b>Price</b> |
|--------------------|---|---------------------|--------------|
| <u>HBKND2</u>      | Southwire EDGEFORCE folding knife, hawkbill, 2.60in blade length, 7.24in overall length, metal body with comfort grip and pocket clip.                                  | 0.3                 | \$29.50      |
| <u>UTILQO</u>      | Southwire EDGEFORCE folding knife, common replaceable 2 point utility blade, utility blade length, 6.01in overall length, metal body with comfort grip and pocket clip. | 0.4                 | \$13.00      |