STUD™ TAPE MEASURES

INDUSTRY’S MOST DURABLE TAPE MEASURE

WIDE BLADE TAPE MEASURES

- 2-Sided Printing increases measurement readability
- Longest Lasting Blade
- Rip & Wear Resistant Blade
- Anti-Tear Coating reinforces first 6” of blade
- Finger Stop protects from blade retraction

COMPACT WIDE BLADE TAPE MEASURES

- Impact Resistant Frame
- 5-Point Reinforced
- 2-Sided Printing increases measurement readability

COMPACT TAPE MEASURES

- Impact Resistant Frame
- 5-Point Reinforced
- Fractional Scale
- Nylon Blade Coating

Model # | Description
--- | ---
48-22-0217 | 16ft Wide Blade Tape Measure
48-22-0220 | 25ft Wide Blade Tape Measure
48-22-0225 | 35ft Wide Blade Tape Measure
48-22-0230 | 40ft Wide Blade Tape Measure

Model # | Description
--- | ---
48-22-0317 | 16ft Compact Wide Blade Tape Measure
48-22-0320 | 25ft Compact Wide Blade Tape Measure
48-22-0325 | 30ft Compact Wide Blade Tape Measure
48-22-0330 | 35ft Compact Wide Blade Tape Measure

Model # | Description
--- | ---
48-22-0417 | 5m/16ft Compact Wide Blade Tape Measure
48-22-0420 | 8m/26ft Compact Wide Blade Tape Measure

STANDOUT

- Based on maximum performance
- Functional After 80’ Drop on Packed Soil

Also Available:

- 25ft Compact Tape Measure with Engineer Scale
- 3m/10ft Compact Auto-Lock Tape Measure
- 10ft/3m Keychain Tape Measure
**OPEN REEL LONG TAPES**

- **50% LESS STRETCH**
  - 3:1 Metal Planetary Gears Prevents gear stripping & stress
  - GRIME GUARD™ Blade Wiper Smoothest retraction
  - Nylon Bond
  - Kink-Resistant Blade
  - 2 Sided Printing

- **SMOOTHEST RETRACTION**
  - 3:1 Metal Planetary Gears Prevents gear stripping & stress
  - GRIME GUARD™ Blade Wiper Smoothest retraction

- **CLOSED REEL LONG TAPE**
  - **LONGEST LIFE**
    - 3:1 Torque Dispersing Planetary Gears Prevents gear stripping & stress
    - Reinforced Metal Frame

- **MEASURING WHEELS**
  - **MOST DURABLE. MOST ACCURATE.**
    - Top Reset Button 12” Model
    - Reinforced Folding Point & Aluminum Frame
    - Zero Point Indicator
    - Carrying Handle
    - Reinforced Folding Kickstand Durable Wheel
    - 6” Measuring Wheel
    - Durable Overmold Handles
    - Removable Endcaps
    - Impact-Resistant

- **FIBERGLASS LONG TAPES**
  - **SMOOTHEST RETRACTION**
    - 3:1 Metal Planetary Gears Prevents gear stripping & stress
    - GRIME GUARD™ Blade Wiper Smoothest retraction

- **REDSTICK® LONG TAPES & MEASURING WHEELS**
  - **SUPERIOR ACCURACY. DYNAMIC READOUT.**
    - Top Read Display Screen
    - Pin Mode Set and save any reading within 360°
    - Replaceable Endcaps
    - 25% Stronger Frame

- **REDSTICK® BOX LEVELS**
  - **MOST DURABLE. GUARANTEED ACCURACY.**
    - Hang Hole
    - Durable Overmold Handles
    - All-Metal Reinforced BACKBONE™
    - High-Contrast Vial Surround

- **REDSTICK® DIGITAL LEVELS**
  - **SUPERIOR ACCURACY. DYNAMIC READOUT.**
    - Top Read Display Screen
    - Pin Mode Set and save any reading within 360°
    - Replaceable Endcaps
    - 25% Stronger Frame

**Model #**
- **Description**
  - 48-22-5001 12” Engineer’s Measuring Wheel
  - 48-22-5002 12” Engineer’s Measuring Wheel
  - 48-22-5012 12” Measuring Wheel
  - 48-22-5013 12” Measuring Wheel
  - 48-22-5051 100ft Closed Reel Long Tape
  - 48-22-5060 30m/100ft Fiberglass Open Reel Long Tape
  - 48-22-5061 60m/200ft Fiberglass Open Reel Long Tape
  - 48-22-5062 90m/300ft Fiberglass Open Reel Long Tape
  - 48-22-5063 120m/400ft Fiberglass Open Reel Long Tape
  - 48-22-5064 150m/500ft Fiberglass Open Reel Long Tape
  - 48-22-5065 180m/600ft Fiberglass Open Reel Long Tape
  - 48-22-5066 210m/700ft Fiberglass Open Reel Long Tape
  - 48-22-5067 240m/800ft Fiberglass Open Reel Long Tape
  - 48-22-5068 270m/900ft Fiberglass Open Reel Long Tape
  - 48-22-5069 300m/1000ft Fiberglass Open Reel Long Tape
  - 48-22-5071 100m/330ft Fiberglass Open Reel Long Tape
  - 48-22-5072 75m/250ft Fiberglass Open Reel Long Tape
  - 48-22-5073 60m/200ft Fiberglass Open Reel Long Tape
  - 48-22-5074 45m/150ft Fiberglass Open Reel Long Tape
## REDSTICK® COMPACT BOX LEVELS

**Compact Durability**

- **Hang Hole**
- **Amplified Rare-Earth Magnets**
- **SHARPSITE™ Vial Technology**
- **Replaceable Endcaps**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLCRM24</td>
<td>24&quot; REDSTICK™ Compact Box Level</td>
</tr>
<tr>
<td>MLCRM24M</td>
<td>24&quot; REDSTICK™ Magnetic Compact Box Level</td>
</tr>
<tr>
<td>MLCRM40</td>
<td>40&quot; REDSTICK™ Compact Box Level</td>
</tr>
<tr>
<td>MLCRM40M</td>
<td>40&quot; REDSTICK™ Magnetic Compact Box Level</td>
</tr>
<tr>
<td>MLCRM72</td>
<td>72&quot; REDSTICK™ Compact Box Level</td>
</tr>
</tbody>
</table>

## REDSTICK® EXPANDABLE LEVELS

**Frame More. No Maintenance.**

- **Hang Hole**
- **Full Grip I-Beam Frame**
- **Amplified Rare-Earth Magnets**
- **SHARPSITE™ Vial Technology**
- **Replaceable Endcaps**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MLXP78</td>
<td>48&quot; – 78&quot; REDSTICK™ Magnetic Expandable Level</td>
</tr>
<tr>
<td>MLXP712</td>
<td>6 1/2’ – 12’ REDSTICK™ Expandable Level</td>
</tr>
</tbody>
</table>

## REDSTICK® CONCRETE LEVELS

**Built for Concrete**

- **Screed**
- **Smooth**
- **Clean**
- **SHARPSITE™ Vial Technology**
- **360° Vial Locks at any angle**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLCON24</td>
<td>24&quot; REDSTICK™ Concrete Level</td>
</tr>
<tr>
<td>MLCON48</td>
<td>48&quot; REDSTICK™ Concrete Level</td>
</tr>
<tr>
<td>MLCON72</td>
<td>72&quot; REDSTICK™ Concrete Level</td>
</tr>
</tbody>
</table>

## BILLET TORPEDO LEVELS

**Strongest Magnets. Easiest Pitch Set.**

- **Maximized Viewing Area**
- **Impact-Resistant Vials**
- **2" Dual Pitch Vial**
- **Ruled Edge**
- **Billet Aluminum Frame**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-507</td>
<td>Billet Torpedo Level</td>
</tr>
<tr>
<td>48-22-507</td>
<td>Metric Billet Torpedo Level</td>
</tr>
</tbody>
</table>

## BLOCK TORPEDO LEVEL

**Strongest Magnets. 360° Accuracy.**

- **Lanyard Hole**
- **Die-Cast Aluminum Body**
- **360° Vial Locks at any angle**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-5083</td>
<td>Block Torpedo Level</td>
</tr>
<tr>
<td>48-22-5083</td>
<td>360° Pocket Level</td>
</tr>
<tr>
<td>48-22-5001</td>
<td>Pipe Lock Level</td>
</tr>
</tbody>
</table>

## MILWAUKEE TOOL

- **Milwaukee Tool Website**
- **Milwaukee Tool Logo**

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*Images and specifications may vary.*
FOLDING RULES & CHALK REELS

MOST DURABLE MARKINGS & BLADES

Quick Reference Bend Angles
22.5°, 30°, 45° & 60°

Heat-Stamped Markings
Won’t wear

Corrosion-Free Embedded Joints
Locks at 0°, 90° & 180°

CHALK REELS

1.5mm High-Strength Braided Line

6X Faster Retraction

0.9mm High-Strength Braided Line

Extra Bold Large Capacity Chalk Reels

1.5mm Fine Line

24oz Chalk Capacity

4:1 Retraction Speed

Easy Grip Metal Handle

Quick Turn Opening

Extra Bold Large Capacity Chalk Reels

LONGEST GEAR LIFE.
BEST PERFORMANCE.

Model # Description
48-22-1008 Bold Line Chalk Reel
48-22-1082 Bold Line Chalk Reel & Blue Chalk Refill
48-22-1085 Bold Line Chalk Reel & Red Chalk Refill
48-22-1009 Fine Replacement Line
48-22-1081 Fine Line Chalk Reel
48-22-1082 Fine Line Chalk Reel & Blue Chalk Refill
48-22-1083 Chalk Refill Kit with Blue Chalk Refill
48-22-1009 Fine Replacement Line

FOLDING RULES

Model # Description
48-22-1081 8-1/2' Composite Folding Rule
48-22-1082 8-1/2' Engineer’s Composite Folding Rule

RAFTER SQUARES

STRONGER FRAME.
MOST VERSATILE.

Model # Description
MLSQ070 7” Magnetic Rafter Square
MLSQ170 180mm Rafter Square

Framing Squares

STRONGER THAN STEEL.
MOST VERSATILE.

Model # Description
 MLSQ024 90° x 120° Framing Square
 MLSQ124 45cm x 60cm Framing Square

TRIM SQUARE

MOST COMPACT.
MOST VERSATILE.

Model # Description
 MLSQ040 4 1/2” Trim Square
 MLSQ024 90° x 120° Framing Square

Laser Distance Meters

EASIEST MEASUREMENTS

Model # Description
 48-22-3801 65ft Laser Distance Meter
 48-22-3802 150ft Laser Distance Meter
 48-22-3803 330ft Laser Distance Meter

Extra Bold Large Capacity Chalk Reels

Model # Description
 48-22-3980 Bold Line Chalk Reel
 48-22-3982 Bold Line Chalk Reel & Blue Chalk Refill
 48-22-3986 Bold Line Chalk Reel & Red Chalk Refill
 48-22-3989 Bold Replacement Line
 48-22-3990 Fine Line Chalk Reel
 48-22-3992 Fine Line Chalk Reel & Blue Chalk Refill
 48-22-3993 Chalk Reel Kit with Blue Chalk Refill
 48-22-3999 Fine Replacement Line

Chalk Reels

Model # Description
 48-22-3910 100ft Extra Bold Large Capacity Chalk Reel
 48-22-3900 100ft Extra Bold Replacement Line
 48-22-3915 150ft Extra Bold Large Capacity Chalk Reel
 48-22-3905 150ft Extra Bold Replacement Line

Model # Description
 48-22-1081 8-1/2' Composite Folding Rule
 48-22-1082 8-1/2' Engineer’s Composite Folding Rule

Model # Description
 48-22-3910 100ft Extra Bold Large Capacity Chalk Reel
 48-22-3900 100ft Extra Bold Replacement Line
 48-22-3915 150ft Extra Bold Large Capacity Chalk Reel
 48-22-3905 150ft Extra Bold Replacement Line

Milwaukee Tool® milwaukeetool.com
### INKZALL™ JOBSITE MARKERS

**Writs On Dust, Wet, Oily Surfaces**

- **Lanyard Hole**
- **Hard Hat Clip**
- **Anti-Roll Body**

### INKZALL METALLIC MARKERS

**Visible On Dark Surfaces**

- **Fine Point**
- **Anti-Roll Body**

### INKZALL™ PAINT MARKERS, PENS & HIGHLIGHTERS

**INKZALL™ Liquid Paint Markers**

- **Bleed & Smear Resistant**

- **Marks on Surfaces up to 300°F**

- **10-Second Dry Time**

- ** Valve Activated**

- **Acrylic Nib**

- **Medium Paint**

### INKZALL™ JOBSITE HIGHLIGHTERS

**Sharp, Precise Lines**

- **Clog Resistant Tip**

- **Medium Point**

### INKZALL™ JOBSITE PENS

**Up to 4X Longer Life**

- **Lanyard Hole**

- **Hard Hat Clip**

---

**Model #** | **Description** |
--- | --- |
48-22-3150 | 12 Pc INKZALL™ Ultra Fine Point Black Jobsite Markers |
48-22-3154 | 4 Pc INKZALL™ Ultra Fine Point Black Jobsite Markers |
48-22-3158 | 2 Pc INKZALL™ Ultra Fine Point Black Jobsite Markers |
48-22-3107 | 3 Pc INKZALL™ Fine Point Tip Black Jobsite Markers |
48-22-3106 | 4 Pc INKZALL™ Fine Point Color Jobsite Markers |
48-22-3101 | INKZALL™ Stylus and Fine Point Black Jobsite Markers |
48-22-3102 | 2 Pc INKZALL™ Medium Point Black Jobsite Markers |
48-22-3103 | INKZALL™ Chisel Tip Black Jobsite Markers |
48-22-3109 | 4 Pc INKZALL™ Chisel Tip Color Jobsite Markers |
48-22-3110 | INKZALL™ Fine Point Black Jobsite Markers (Bulk 36 Pc) |
48-22-3111 | INKZALL™ Fine Point Black Jobsite Markers (Bulk 12 Pc) |
48-22-3121 | 2 Pc INKZALL™ Fine Point Silver Metallic Marker |
48-22-3122 | 2 Pc INKZALL™ Fine Point Gold Metallic Marker |
48-22-3123 | 2 Pc INKZALL™ Fine Point Silver/Gold Metallic Marker |
48-22-3170 | INKZALL™ Fine Point Red Jobsite Markers (Bulk 36 Pc) |
48-22-3180 | INKZALL™ Fine Point Blue Jobsite Markers (Bulk 36 Pc) |
48-22-3190 | INKZALL™ Fine Point Green Jobsite Markers (Bulk 36 Pc) |
48-22-3209 | 12 Pc INKZALL™ Fine Point Black Jobsite Markers |
48-22-3250 | 3 Pc INKZALL™ Large Chisel Tip Black Jobsite Markers |
48-22-3251 | INKZALL™ Large Chisel Tip Black Jobsite Markers (Bulk 12 Pc) |
48-22-3252 | INKZALL™ Large Chisel Tip Red Jobsite Markers (Bulk 12 Pc) |
48-22-3253 | INKZALL™ Large Chisel Tip Blue Jobsite Markers (Bulk 12 Pc) |
48-22-3254 | INKZALL™ Extra Large Chisel Tip Black Jobsite Markers |
48-22-3255 | INKZALL™ Extra Large Chisel Tip Black Jobsite Markers (Bulk 12 Pc) |
48-22-3256 | INKZALL™ Extra Large Chisel Tip Blue Jobsite Markers (Bulk 12 Pc) |
48-22-3257 | INKZALL™ Extra Large Chisel Tip Blue Jobsite Markers (Bulk 12 Pc) |
48-22-3712 | INKZALL™ Medium Point White Liquid Paint Marker |
48-22-3722 | INKZALL™ Medium Point Yellow Liquid Paint Marker |
48-22-3711 | INKZALL™ Medium Point White Liquid Paint Marker (Bulk 12 Pc) |
48-22-3721 | INKZALL™ Medium Point Yellow Liquid Paint Marker (Bulk 12 Pc) |
48-22-3710 | INKZALL™ Medium Point White Liquid Paint Marker (Bulk 36 Pc) |
48-22-3720 | INKZALL™ Medium Point Yellow Liquid Paint Marker (Bulk 36 Pc) |
48-22-3715 | INKZALL™ Medium Point White Liquid Paint Marker (Bulk 12 Pc) |
48-22-3725 | INKZALL™ Medium Point Yellow Liquid Paint Marker (Bulk 12 Pc) |
48-22-3714 | INKZALL™ Medium Point White Liquid Paint Marker (Bulk 36 Pc) |
48-22-3724 | INKZALL™ Medium Point Yellow Liquid Paint Marker (Bulk 36 Pc) |
48-22-3713 | INKZALL™ Medium Point Black Liquid Paint Marker (Bulk 12 Pc) |
48-22-3723 | INKZALL™ Medium Point Black Liquid Paint Marker (Bulk 36 Pc) |
48-22-3741 | INKZALL™ Medium Point Red Liquid Paint Marker (Bulk 12 Pc) |
48-22-3751 | INKZALL™ Medium Point Green Liquid Paint Marker (Bulk 12 Pc) |
48-22-3731 | INKZALL™ Medium Point Blue Liquid Paint Marker (Bulk 12 Pc) |
48-22-3745 | INKZALL™ Medium Point Orange Liquid Paint Marker (Bulk 12 Pc) |
### COMFORT GRIP STRAIGHT JAW PLIERS

**Comfort Grips**
- Will not peel

**Punching Handles**
- Reaming Handles

**Reaming Head**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Jaw Capacity</th>
<th>Reaming Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6306</td>
<td>6” Comfort Grip Straight Jaw Pliers</td>
<td>1”</td>
<td>3/4”</td>
</tr>
<tr>
<td>48-22-6310</td>
<td>10” Comfort Grip Straight Jaw Pliers</td>
<td>2”</td>
<td>2”</td>
</tr>
<tr>
<td>48-22-6312</td>
<td>12” Comfort Grip Straight Jaw Pliers</td>
<td>2-1/4”</td>
<td>2-3/4”</td>
</tr>
<tr>
<td>48-22-6316</td>
<td>16” Comfort Grip Straight Jaw Pliers</td>
<td>4-1/4”</td>
<td>3”</td>
</tr>
<tr>
<td>48-22-6320</td>
<td>20” Comfort Grip Straight Jaw Pliers</td>
<td>5-1/2”</td>
<td>3-1/2”</td>
</tr>
<tr>
<td>48-22-6330</td>
<td>2 Pc 6” &amp; 10” Comfort Grip Straight Jaw Pliers Set</td>
<td>1” &amp; 2”</td>
<td>3/4” &amp; 2”</td>
</tr>
<tr>
<td>48-22-6331</td>
<td>3 Pc Comfort Grip Pliers Set</td>
<td>2”</td>
<td>2”</td>
</tr>
</tbody>
</table>

### V-JAW PLIERS

**Slim Design Head**
- All-Metal Quick Adjust
- Comfort Grips
- Punching Handles

**Reaming Handles**
- Reaming Head

**HEX JAW**
- BEST FIT. STRONG HOLD.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Jaw Capacity</th>
<th>Reaming Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6208</td>
<td>8” Comfort Grip V-Jaw Pliers</td>
<td>1-1/2”</td>
<td>1-1/2”</td>
</tr>
<tr>
<td>48-22-6210</td>
<td>10” Comfort Grip V-Jaw Pliers</td>
<td>2”</td>
<td>2”</td>
</tr>
<tr>
<td>48-22-6216</td>
<td>16” Comfort Grip V-Jaw Pliers</td>
<td>5”</td>
<td>3-3/4”</td>
</tr>
<tr>
<td>48-22-6220</td>
<td>20” Comfort Grip V-Jaw Pliers</td>
<td>6”</td>
<td>4-1/4”</td>
</tr>
<tr>
<td>48-22-6230</td>
<td>2 Pc 8” &amp; 10” Comfort Grip V-Jaw Pliers Set</td>
<td>1” &amp; 2”</td>
<td>3/4” &amp; 2”</td>
</tr>
<tr>
<td>48-22-6231</td>
<td>3 Pc Comfort Grip V-Jaw Pliers Set</td>
<td>2”</td>
<td>2”</td>
</tr>
</tbody>
</table>

### STRAIGHT JAW PLIERS

**Maximum Jaw. Forged Strength.**

**Dipped Grips**
- Reaming Head

**Model #**
- *When compared to other ACSR cutting lineman pliers*

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Jaw Capacity</th>
<th>Reaming Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6208</td>
<td>8” Comfort Grip V-Jaw Pliers</td>
<td>1-1/2”</td>
<td>1-1/2”</td>
</tr>
<tr>
<td>48-22-6210</td>
<td>10” Comfort Grip V-Jaw Pliers</td>
<td>2”</td>
<td>2”</td>
</tr>
</tbody>
</table>

### SMOOTH JAW PLIERS

**Smooth Jaw. Protects Surfaces.**

**Non-Marring Smooth Jaw for Finish Applications**

**Dipped Grips**
- Reaming Head

**Model #**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Jaw Capacity</th>
<th>Reaming Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6010</td>
<td>10” Straight Jaw Pliers</td>
<td>1”</td>
<td>2”</td>
</tr>
<tr>
<td>48-22-6012</td>
<td>12” Straight Jaw Pliers</td>
<td>2-1/4”</td>
<td>2-3/4”</td>
</tr>
</tbody>
</table>

### LINEMAN’S PLIERS

**Maximum Leverage. Easier Cuts:**

**Crimper**
- Wire Cutter

**Dipped Grips**
- Comfort Grip High-Leverage Lineman’s Pliers

**Model #**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Jaw Capacity</th>
<th>Reaming Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6010</td>
<td>Comfort Grip High-Leverage Lineman’s Pliers with Crimper</td>
<td></td>
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</tr>
<tr>
<td>48-22-6000</td>
<td>High-Leverage Lineman’s Pliers with Crimper</td>
<td></td>
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</tr>
<tr>
<td>48-22-6002</td>
<td>High-Leverage Lineman’s Pliers</td>
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</tr>
<tr>
<td>48-22-6003</td>
<td>High-Leverage Lineman’s Pliers with Thread Cleaner</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ANGLED HEAD PLIERS

**Better Access**

**Model #**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Jaw Capacity</th>
<th>Reaming Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6528</td>
<td>8” Comfort Grip Angled Head Diagonal Cutting Pliers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>48-22-6529</td>
<td>8” Angled Head Diagonal Cutting Pliers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Long Nose Pliers

**Long Reach**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6111</td>
<td>8&quot; Comfort Grip Long Nose Pliers</td>
</tr>
<tr>
<td>48-22-6101</td>
<td>8&quot; Comfort Grip Long Nose Pliers</td>
</tr>
</tbody>
</table>

**Tapered Nose**

- Reaming Head
- Wire Cutter
- Fish Tape Puller
- Comfort Grips Will not peel

### Diagonal Pliers

**Up to 2x More Cuts**

**Iron-Carbide Edge**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-6101</td>
<td>6&quot; Comfort Grip Diagonal Cutting Pliers</td>
</tr>
<tr>
<td>48-22-6107</td>
<td>7&quot; Comfort Grip Diagonal Cutting Pliers</td>
</tr>
<tr>
<td>48-22-6108</td>
<td>8&quot; Comfort Grip Diagonal Cutting Pliers</td>
</tr>
<tr>
<td>48-22-6508</td>
<td>8&quot; Diagonal Cutting Pliers</td>
</tr>
</tbody>
</table>

**Tapered Nose**

- Reaming Head
- Wire Cutter
- Fish Tape Puller
- Comfort Grips Will not peel

### Cutting Pliers

**6 in 1 Combination Pliers**

**6 in 1**

- Pliers
- Wire Cutter
- Loop Maker
- Comfort Grips Will not peel
- All Metal Lock

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Wire Stripper</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-3079</td>
<td>Wire Stripper 6-18 AWG Solid, 12-20 AWG Stranded</td>
<td></td>
</tr>
<tr>
<td>48-22-6109</td>
<td>Wire Stripper 10-18 AWG Solid, 12-20 AWG Stranded</td>
<td></td>
</tr>
<tr>
<td>48-22-6579</td>
<td>Multi-Purpose Wire Stripper with Crimper 10-18 AWG Solid, 12-20 AWG Stranded</td>
<td></td>
</tr>
</tbody>
</table>

**Fast, One-Handed Operation**

- Wire Cutter
- Bolt Cutter
- Spring Assisted
- Wire Stripper
- Loop Maker
- Reamer

### Multi-Function Pliers

**6 in 1 Combination Pliers**

**6 in 1**

- Wire Cutter
- Bolt Cutter
- Loop Maker
- Spring Assisted

- Wire Stripper
- All Metal Lock
- Reamer
- Reaming Head
- Wire Cutter

**Multi-Purpose Wire Stripper with Crimper**

- Wire Stripper 10-18 AWG Solid, 12-20 AWG Stranded
**APPLICATION SPECIFIC PLIERS**

**IRONWORKER’S PLIERS**

*UP TO 2X MORE CUTS*

IRON-CARBIDE EDGE

For Twisting & Cutting Rake Tips

![Image 35x53 to 101x95]

**CABLE CUTTING PLIERS**

**CLEAN CUTS**

Cuts up to 2/0 Cu, 4/0 Al

![Image 36x500 to 101x539]

**PVC / OIL FILTER PLIERS**

3-1/2" JAW CAPACITY

![Image 41x270 to 101x312]

**NIPPING PLIERS**

CURVED HEAD

PROTECTS SURFACES

Blades Will Not Mar Surfaces

![Image 80x351 to 296x399]

**FORGED PLIERS**

FORGED STRENGTH

Staple Puller

Wire Cutter

Hammer

![Image 105x528 to 300x663]

**CRIMPING PLIERS**

*UP TO 2X CRIMPING FORCE*

![Image 312x252 to 376x292]

**FENCING PLIERS**

![Image 315x233 to 576x410]

**APPLICATION SPECIFIC PLIERS**

Will not peel

Comfort Grips

![Image 386x615 to 387x39]

**Fencing Pliers**

48-22-6410

Model # Description

48-22-6321

Fencing Pliers

48-22-6103

Crimping Pliers

48-22-6102

Ironworker's Pliers

48-22-6104

Cable Cutting Pliers

48-22-6107

7" Nipping Pliers

48-22-6204

Cable Cutting Pliers

For Twisting & Cutting Insulated Terminals

![Image 312x44 to 377x86]

**FORGED STRENGTH**

3-1/2" JAW CAPACITY

![Image 313x480 to 377x546]

**CRIMPING FORCE**

2X CRIMPING FORCE

![Image 315x488 to 377x651]

**MAX BITE**

3X GRIPPING FORCE

![Image 511x609 to 827x653]

**TORQUE LOCK™ PLIERS, C-CLAMPS & SPECIALTY**

**TORQUE LOCK™ FASTER SET-UP**

![Image 611x609 to 827x653]

**LOCKING PLIERS WITH MAX BITE™**

**MAX BITE™ 3X GRIPPING FORCE**

![Image 712x654 to 818x701]

**LOCKING PLIERS**

![Image 712x654 to 818x701]

**LOCKING PLIERS**

![Image 712x654 to 818x701]

**LOCKING PLIERS**

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**C-CLAMPS & SPECIALTY**

![Image 712x654 to 818x701]

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**C-CLAMPS & SPECIALTY**

![Image 712x654 to 818x701]

**C-CLAMPS & SPECIALTY**

![Image 712x654 to 818x701]
PIPE WRENCHES

CHEATER ADAPTABLE PIPE WRENCH

3 LENGTH DESIGN

OVERBITE JAW™
Largest Gripping Surface

Dual Coil Spring Design
Increased durability and life

Threaded Fit & Security

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7114 | CHEATER Adaptable Pipe Wrench | Steel | 2-1/2"

10L ALUMINUM PIPE WRENCH WITH POWERLENGTH™ HANDLE

BETTER ACCESS. MAXIMUM LEVERAGE.

OVERBITE JAW™
Largest Gripping Surface

Lanyard Hole

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7113 | 10L Aluminum Pipe Wrench w/POWERLENGTH™ Handle | Aluminum | 1-1/2"

STEEL & ALUMINUM PIPE WRENCHES

LARGEST GRIP SURFACE

OVERBITE JAW™
Largest Gripping Surface

High Leverage Handle

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7106 | 6" Steel Pipe Wrench | Steel | 3"
48-22-7108 | 8" Steel Pipe Wrench | Steel | 3" 1/2"
48-22-7110 | 10" Steel Pipe Wrench | Steel | 3" 1/2"
48-22-7112 | 12" Steel Pipe Wrench | Steel | 3" 1/2"
48-22-7114 | 14" Steel Pipe Wrench | Steel | 3" 1/2"
48-22-7116 | 18" Steel Pipe Wrench | Steel | 3" 1/2"
48-22-7118 | 24" Steel Pipe Wrench | Steel | 3" 1/2"
48-22-7120 | 36" Steel Pipe Wrench | Steel | 3" 1/2"

48-22-7146 | 48" Steel Pipe Wrench | Steel | 6"
48-22-7160 | 60" Steel Pipe Wrench | Steel | 6"

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7210 | 10" Aluminum Pipe Wrench | Aluminum | 1-1/2"
48-22-7212 | 12" Aluminum Pipe Wrench | Aluminum | 1-1/2"
48-22-7214 | 14" Aluminum Pipe Wrench | Aluminum | 1-1/2"
48-22-7216 | 18" Aluminum Pipe Wrench | Aluminum | 1-1/2"
48-22-7218 | 24" Aluminum Pipe Wrench | Aluminum | 1-1/2"
48-22-7220 | 36" Aluminum Pipe Wrench | Aluminum | 1-1/2"
48-22-7246 | 48" Aluminum Pipe Wrench | Aluminum | 1-1/2"

48-22-7171 | 6" Offset Hex Pipe Wrench | Steel | 2-5/8"
48-22-7175 | 18" Offset Hex Pipe Wrench | Steel | 2-5/8"

STEEL OFFSET HEX PIPE WRENCH

SMOOTH JAW WON’T MAR SURFACES

Secure Grip
Up to 3 points of contact
Smooth Jaws

Offset Head

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7114 | 10" Aluminum Offset Pipe Wrench | Aluminum | 2"
48-22-7116 | 12" Aluminum Offset Pipe Wrench | Aluminum | 2"

STEEL SMOOTH JAW PIPE WRENCH

SMOOTH JAW PROTECTS SURFACES

Parallel Grip

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7108 | 6" Smooth Jaw Pipe Wrench | Steel | 2-1/2"
48-22-7110 | 10" Smooth Jaw Pipe Wrench | Steel | 2-1/2"
48-22-7112 | 12" Smooth Jaw Pipe Wrench | Steel | 2-1/2"
48-22-7114 | 14" Smooth Jaw Pipe Wrench | Steel | 2-1/2"
48-22-7116 | 18" Smooth Jaw Pipe Wrench | Steel | 2-1/2"
48-22-7118 | 24" Smooth Jaw Pipe Wrench | Steel | 2-1/2"

48-22-7171 | 6" Offset Smooth Jaw Pipe Wrench | Steel | 2-5/8"
48-22-7175 | 18" Offset Smooth Jaw Pipe Wrench | Steel | 2-5/8"

ALUMINUM OFFSET HEX PIPE WRENCHES

BETTER ACCESS

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7114 | 10" Aluminum Offset Pipe Wrench | Aluminum | 2"
48-22-7116 | 12" Aluminum Offset Pipe Wrench | Aluminum | 2"

Model # | Description | Material | Max Jaw Capacity
-------|-------------|----------|-------------------
48-22-7171 | 6" Offset Alum Hex Pipe Wrench | Aluminum | 2"
### Adjustable Wrenches

**Jaws Won’t Back Off**

- Proprietary Screw

**Basin Wrenches**

**Easiest Swap-Outs**

- Smoothest Length Adjustment
- Telescoping Shank
- Comfortable Handle
- Screwdriver-Ready

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-7001</td>
<td>1-1/4&quot; Basin Wrench</td>
</tr>
<tr>
<td>48-22-7002</td>
<td>2-1/4&quot; Basin Wrench</td>
</tr>
</tbody>
</table>

### Contractor Ratchet & Socket Sets

**Versatile Design. Better Access.**

**Four Flat™ Sides**

- Anti-Roll, Wrench-Ready.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-9000</td>
<td>12 Pc. 3/8&quot; SAE Contractor Ratchet &amp; Socket Set with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9001</td>
<td>12 Pc. 3/8&quot; Metric Contractor Ratchet &amp; Socket Set with FOUR FLAT™ Sides</td>
</tr>
</tbody>
</table>

### Mechanics Ratchet & Socket Sets

**Most Versatile Sockets. Anti-Roll, Wrench-Ready.**

**Four Flat™ Sides**

- Anti-Roll, Wrench-Ready.

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-9404</td>
<td>26 Pc. 1/4&quot; SAE Drive Ratchet &amp; Sockets with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9408</td>
<td>28 Pc. 3/8&quot; SAE Drive Ratchet &amp; Sockets with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9504</td>
<td>28 Pc. 1/4&quot; Metric Drive Ratchet &amp; Sockets with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9508</td>
<td>32 Pc. 3/8&quot; Metric Drive Ratchet &amp; Sockets with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9004</td>
<td>50 Pc. Metric &amp; SAE 1/4&quot; Drive Ratchet &amp; Sockets with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9008</td>
<td>56 Pc. Metric &amp; SAE 3/8&quot; Drive Ratchet &amp; Sockets with FOUR FLAT™ Sides</td>
</tr>
<tr>
<td>48-22-9014</td>
<td>1/4&quot; Drive Ratchet</td>
</tr>
<tr>
<td>48-22-9015</td>
<td>5/16&quot; Drive Ratchet</td>
</tr>
<tr>
<td>48-22-9016</td>
<td>3/8&quot; Drive Ratchet</td>
</tr>
</tbody>
</table>

### Guarantee

**Lifetime**

- Garantía de Por Vida
- Garantie À Vie
**COMBINATION WRENCHES & PRY BARS**

**RATCHETING COMBINATION WRENCHES**

**BETTER ACCESS. LONGEST LIFE.**

- **MAX BITE** Anti-Slip Open End
- Ink-Filled Sizes
- Easy Identification
- Comfortable I-Beam Handle
- Chrome Plated Rust Protection
- 144 Ratcheting Positions
- 2.5" Arc Swing

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Included Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-9506</td>
<td>7 Pc Metric Ratcheting Combination Wrench Set</td>
<td>8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm</td>
</tr>
<tr>
<td>48-22-9516</td>
<td>15 Pc Metric Ratcheting Combination Wrench Set</td>
<td>8mm, 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm</td>
</tr>
</tbody>
</table>

**COMBINATION WRENCHES**

**UP TO 25% MORE TORQUE**

- **MAX BITE** Anti-Slip Open End
- Decreased Fastener Rounding
- Ink-Filled Sizes
- Comfortable I-Beam Handle
- 12 Pt Box End

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Included Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-9507</td>
<td>7 Pc Metric Combination Wrench Set</td>
<td>8mm, 10mm, 12mm, 13mm, 14mm, 15mm, 17mm</td>
</tr>
<tr>
<td>48-22-9515</td>
<td>15 Pc Metric Combination Wrench Set</td>
<td>8mm, 9mm, 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm</td>
</tr>
</tbody>
</table>

**PRY BARS**

**UP TO 40% MORE PRYING STRENGTH**

- I-Beam Design
- Chrome Plated Rust Protection
- Comfortable Tri-Lobe Handles
- Hammer-Ready Strike Cap

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Included Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-0114</td>
<td>4 Pc Pry Bar Set</td>
<td>8&quot;, 12&quot;, 18&quot;, 24&quot;</td>
</tr>
</tbody>
</table>

**HOOK AND PICK SET & MULTI-BIT DRIVERS**

**HOOK AND PICK SET**

**UP TO 50% MORE DURABLE**

- **ALL-METAL CORE**
- Chromed Plated Rust Protection
- Hammer-Ready Strike Cap
- All-Metal Core

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Includes</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-0121</td>
<td>4 Pc Hook and Pick Set</td>
<td>Straight Pick, Offset Hook, Hook, 60° Hook</td>
</tr>
</tbody>
</table>

**HOOK AND PICK SET & MULTI-BIT DRIVERS**

- **9 IN 1 MULTI-BIT / KEY DRIVERS**
- **8 IN 1 COMPACT MULTI-BIT DRIVERS**

**9 IN 1 MULTI-BIT / KEY DRIVERS**

- **1/4" Power Groove Bits**
- Loop Maker

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Nut Drivers</th>
<th>Bit Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2131</td>
<td>9 In 1 Multi-Bit Driver w/ ECX™</td>
<td>1/4&quot;</td>
<td>P#1, P#2, SL 3/16&quot;, SL 1/4&quot;, SQ#2, ECX™#1, ECX™#2</td>
</tr>
<tr>
<td>48-22-2132</td>
<td>9 In 1 Square Multi-Bit Driver</td>
<td>1/4&quot;</td>
<td>P#1, P#2, SL 3/16&quot;, SL 1/4&quot;, SQ#1, SQ#2, SQ#3</td>
</tr>
<tr>
<td>48-22-2331</td>
<td>9 In 1 Ratchet Multi-Bit Driver w/ ECX™</td>
<td>1/4&quot;</td>
<td>P#1, P#2, SL 3/16&quot;, SL 1/4&quot;, SQ#2, ECX™#1, ECX™#2</td>
</tr>
<tr>
<td>48-22-2322</td>
<td>9 In 1 Ratchet Multi-Bit Driver w/ Square</td>
<td>1/4&quot;</td>
<td>P#1, P#2, SL 3/16&quot;, SL 1/4&quot;, SQ#1, SQ#2, SQ#3</td>
</tr>
<tr>
<td>48-22-2133</td>
<td>9 In 1 TORX® Key Driver</td>
<td>1/4&quot;</td>
<td>T8, T10, T15, T20, T25, T27, T30</td>
</tr>
<tr>
<td>48-22-2136</td>
<td>9 In 1 Metric Hex Key Driver</td>
<td>1/4&quot;</td>
<td>3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 13mm, 14mm</td>
</tr>
</tbody>
</table>

**8 IN 1 COMPACT MULTI-BIT DRIVERS**

- **1/4" Power Groove Bits**
- High Torque Ratchet

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Nut Drivers</th>
<th>Bit Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2130</td>
<td>Compact Bith Multi-Bit Driver</td>
<td>1/4&quot;</td>
<td>P#1, P#2, SL 3/16&quot;, SL 1/4&quot;, SQ#1, SQ#2, T10</td>
</tr>
<tr>
<td>48-22-2330</td>
<td>Compact Bith Multi-Bit Driver</td>
<td>1/4&quot;</td>
<td>P#1, P#2, SL 3/16&quot;, SL 1/4&quot;, SQ#1, SQ#2, T10</td>
</tr>
</tbody>
</table>

TORX® is a registered trademark of Acument Intellectual Properties, LLC. GUARANTEE LIFETIME GARANTÍA DE POR VIDA GARANTIE À VIE
## 11 in 1 Multi-Bit Drivers

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Nut Drivers</th>
<th>Bit Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2760</td>
<td>11 in 1 Multi-Bit Driver w/ <strong>ECX™</strong></td>
<td>#1, #2, #2 Phillips, #3 Phillips</td>
<td>1/4&quot;, 5/32&quot;, 3/16&quot;, 1/8&quot;, #1, #2 Phillips, ECX™ #1, #2 Phillips</td>
</tr>
<tr>
<td>48-22-2761</td>
<td>11 in 1 Multi-Bit Driver w/ <strong>TORX®</strong></td>
<td>#1, #2, #2 Phillips, #3 Phillips</td>
<td>1/4&quot;, 5/32&quot;, 3/16&quot;, 1/8&quot;, #1, #2 Phillips, ECX™ #1, #2 Phillips</td>
</tr>
</tbody>
</table>

## 13 in 1 Cushion-Grip Screwdrivers

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Nut Drivers</th>
<th>Bit Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>46-22-2861</td>
<td>13 in 1 Cushion-Grip Screwdriver</td>
<td>#1, #2 Phillips, #3 Phillips</td>
<td>1/4&quot;, 5/32&quot;, 3/16&quot;, 1/8&quot;, #1, #2 Phillips, #3 Phillips, Large Schrader®</td>
</tr>
</tbody>
</table>

---

**Screwdrivers**

**High-Leverage Handle. Magnetic Tip.**

- Strong Magnetic Tips
- Wrench-Ready Shank
- Lanyard Hole

**Cushion-Grip Screwdrivers**

**Most Durable Handle. Precision Tip.**

- Wrench Ready Bolster
- Increased Torque
- Custom Machined Tips
- Prevent Cam-Out
- Tactile Identification
- Easy Recognition without Looking

**Demo Driver**

- All-Metal Core
- Hammer-Ready Strike Cap
- Multiple Strike Surfaces

---

**Milwaukee**

milwaukee.com
# 1000V Insulated Screwdrivers

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2202</td>
<td>3/8” Square, #1 Phillips, Slotted 6”</td>
<td>1/4”, 5/32”, 7/64”, 3/32”</td>
</tr>
<tr>
<td>48-22-2203</td>
<td>1/4” Hex Drive, #1 Phillips, Slotted 6”</td>
<td>1/4”, 5/32”, 7/64”, 3/32”</td>
</tr>
</tbody>
</table>

**Slim Drive Shaft**

- Allows access in recessed applications
- **Flame & Impact Resistant**

![1000V Insulated Screwdrivers](image)

**Precision Screwdrivers**

- **Slim Drive Shaft**
- **All-Metal Core**
- **Extended Reach**

**1000V**

| IEC 60900:2012 | ASTM F1505-10 | NFPA 70E |

---

# HollowCore™ Magnetic Nut Drivers

**UNLIMITED DEPTH**

**FITS 4X MORE FASTENERS**

**1000V**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2502</td>
<td>5/16” Magnetic Nut Driver Set</td>
</tr>
<tr>
<td>48-22-2503</td>
<td>1/2” Magnetic Nut Driver Set</td>
</tr>
<tr>
<td>48-22-2504</td>
<td>11/32” Magnetic Nut Driver Set</td>
</tr>
</tbody>
</table>
HAMMERS & POCKET KNIVES

FRAMING HAMMERS

UP TO 10X VIBRATION REDUCTION

SHOCKSHIELD™ GRIP

Anti-Ring Claw

Precision Balanced Design

I-Beam Design Resists bending

Available in

Smooth Face

Milled Face

POLY FIBERGLASS HAMMER

MOST DURABLE FIBERGLASS HANDLE

Anti-Ring Claw

Precision Balanced Design

Reinforced Fiberglass Handle

Magnetic Nail Set

HICKORY HAMMER

BEST DRIVING PERFORMANCE

Shock Absorbing American Hickory

Precision Balanced Design

Magnetic Nail Set

HARDLINE™ POCKET KNIVES

EXTREME WEAR RESISTANCE

D2 STEEL

Drop Paint Smooth Blade

Stone Washed Black Oxide Finish

Reversible Tip Up Belt Clip

Tether Ready Lanyard Hole

Steel Frame Lock

Flipper with Bearing System

Model # Description

48-22-1994 HARDLINE™ 3” Smooth Blade Pocket Knife

48-22-1997 HARDLINE™ 2-1/2” Smooth Blade Pocket Knife

HARDLINE™ FIXED BLADE KNIVES

ULTIMATE DURABILITY

AUS-8 STEEL

9” Blade, 10.3” Overall Length

Stone Washed Black Oxide Finish

Full Tang

Glass Filled Nylon with Overmold Grip

Tether Ready Lanyard Hole

Precision Balanced Design

Model # Description

48-22-1928 5” HARDLINE™ Fixed Blade Knife

48-22-1928B 5” HARDLINE™ Fixed Blade Knife

FASTBACK™ SPRING ASSISTED KNIVES

Press and Flip™

Ideal for Piercing & Tearing

One-Hand Blade Opening

Tether Ready Lanyard Hole

Reversible Belt Clip

Black Oxide Stainless Steel Blade

Liner Lock

Also Available:

FASTBACK™ Camo Spring Assisted Knife 48-22-1996

FASTBACK™ FLIP KNIVES

Ideal for Controlled Slicing

One-Hand Blade Opening

Tether Ready Lanyard Hole

Reversible Belt Clip

Stainless Steel Blade

Liner Lock

Model # Description

48-22-1995 FASTBACK™ Spring Assisted Knife

48-22-1996 FASTBACK™ Camo Spring Assisted Knife

48-22-1990 FASTBACK™ Flip Knife

48-22-1985 FASTBACK™ Hawkbill Flip Knife

milwaukee.com 27

milaowakeetool.com 28

milaowakeetool.com 29
## LOCKBACK POCKET KNIFE

- **Nail Nick**
- **Ergonomic Handle**
- **Stainless Steel Smooth Blade**
- **Reversible Belt Clip**
- **Tether Ready Lanyard Hole**

**Model #** | **Description**
---|---
48-22-1940 | Lockback Pocket Knife

## FASTBACK® FLIP UTILITY KNIVES

- **PRESS AND FLIP**
- **Magnetic 4-Blade Storage**
- **One-Hand Blade Opening**
- **Wire Stripper**
- **Blade Covers at 45°**
- **All-Metal Body**
- **Tether Ready Lanyard Hole**

**Model #** | **Description**
---|---
48-22-1025 | FASTBACK™ Flip Utility Knife with Blade Storage
48-22-1065 | FASTBACK™ Flip Utility Knife
48-22-1086 | FASTBACK™ Compact Flip Utility Knife

## LINEMAN’S HAWKBILL KNIVES

- **STAYS SHARPER LONGER**
- **Stainless Steel Hawkbill Blade**
- **Oversized Ergonomic Handle**
- **Also Available:** 4” Fixed Blade Knife

**Model #** | **Description**
---|---
48-22-1023 | Lineman’s Hawkbill Knife with STICKWORK™ 3x1 Ring
48-22-1024 | Lineman’s Blade Tip Hawkbill Knife with STICKWORK™ 3x1 Ring

## FASTBACK® HAWKBILL FLIP KNIVES

- **PRESS AND FLIP**
- **Stainless Steel Blade**
- **One-Hand Blade Opening**
- **Tether Ready Lanyard Hole**
- **Reversible Belt Clip**

**Model #** | **Description**
---|---
48-22-1950 | FASTBACK™ Hawkbill Flip Knife

## FIXED BLADE KNIVES

- **STAYS SHARPER LONGER**
- **Durable Sheath**
- **Ergonomic Handle**
- **Tether Ready Lanyard Hole**

**Model #** | **Description**
---|---
48-22-1925 | Hawkbill Fixed Blade Knife

## LINEMAN’S UNDERGROUND KNIFE

- **STAYS SHARPER LONGER**
- **Stainless Steel Blade**
- **Ergonomic Handle**
- **Tether Ready Lanyard Hole**

**Model #** | **Description**
---|---
48-22-1820 | Lineman’s Underground Knife

## SIDE SLIDING UTILITY KNIFE

- **MAXIMUM DEPTH CONTROL**
- **Tool-Free Blade Change**
- **Side Sliding Blade Activation**
- **Wire Stripper**
- **Rubber Overmold**
- **Ergonomic Handle**

**Model #** | **Description**
---|---
48-22-1910 | Side Sliding Utility Knife

milwaukee tool.com 30

milwaukee tool.com 31
### SAFETY UTILITY KNIFE

- **Model #**: 48-22-1915
- **Description**: Safety Utility Knife
- **Features**:
  - Self-Retracting
  - Lanyard Hole

### SAFETY CUTTER

- **Model #**: 48-22-1916
- **Description**: Safety Cutter
- **Features**:
  - Recessed Blade
  - Lanyard Hole
  - Ergonomic Handle
  - Tape Piercer

### PRECISION SNAP-OFF KNIFE

**METAL LOCK**

**UP TO 10X LONGER LIFE**

- **Model #**:
  - 48-22-1960: 9mm (A) Precision Snap-Off Knife
  - 48-22-1961: 18mm (L) Precision Snap-Off Knife w/ Metal Lock
  - 48-22-1962: 25mm (H) Precision Snap-Off Knife w/ Metal Lock
- **Features**:
  - 8 Cutting Points
  - Metal Knob
  - Speed Thread™ Knob
  - Wire Stripper
  - Tool-Free Blade Change

### GENERAL PURPOSE SNAP-OFF KNIFE

**UP TO 5X LONGER LIFE**

- **Model #**:
  - 48-22-1963: 9mm (A) General Purpose Snap-Off Knife
  - 48-22-1964: 18mm (L) General Purpose Snap-Off Knife
  - 48-22-1965: 25mm (H) General Purpose Snap-Off Knife
- **Features**:
  - 2 Blade Positions
  - Blade Snap Off

### UTILITY BLADES

**GENERAL PURPOSE**

**LASTS 5X LONGER**

- **Model #**:
  - 48-22-1905: General Purpose Utility Blades
  - 48-22-1932: Hook Utility Blades
  - 48-22-1933: Drywall Utility Blades
  - 48-22-1934: Carton Utility Blades
  - 48-22-1930: 15 Pc Assorted Utility Blade Set
- **Features**:
  - High Quality Steel
  - Custom Grind Angle

**H钩**

**UP TO 2X STRONGER**

- **Model #**:
  - 48-22-1950: General Purpose, (2) Hook
- **Features**:
  - Ideal for Roofing

**DRYWALL**

**UP TO 2X SHARPER**

- **Model #**:
  - 48-22-1975: General Purpose, (3) Drywall
- **Features**:
  - Ideal for Drywall

**CARTON**

**LASTS 5X LONGER**

- **Model #**:
  - 48-22-1900: General Purpose, (10) General Purpose, (2) Hook, (3) Carton
- **Features**:
  - Rounded Edges

**UTILITY KNIVES**

**METAL LOCK**

**UP TO 10X LONGER LIFE**

- **Model #**:
  - 48-22-1905: General Purpose Utility Blades
  - 48-22-1932: Hook Utility Blades
  - 48-22-1933: Drywall Utility Blades
  - 48-22-1934: Carton Utility Blades
- **Features**:
  - Self-Retracting Lanyard Hole
  - Wire Stripper Tool-Free Blade Change
  - Recessed Blade
  - Tape Piercer

**SAFETY UTILITY KNIFE**

- **Model #**: 48-22-1915
- **Description**: Safety Utility Knife
- **Features**:
  - 2 Blade Positions

**SAFETY CUTTER**

- **Model #**: 48-22-1916
- **Description**: Safety Cutter
- **Features**:
  - Recessed Blade
  - Lanyard Hole
  - Ergonomic Handle
  - Tape Piercer
### INSULATION KNIVES

**STAYS SHARPER LONGER**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-1921</td>
<td>Insulation Knife (Smooth)</td>
</tr>
<tr>
<td>48-22-1922</td>
<td>Insulation Knife (Serrated)</td>
</tr>
</tbody>
</table>

- Heat Treated Strength
- Full Tang
- Cryogenically Hardened

### DUCT KNIFE

**STAYS SHARPER LONGER**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-1920</td>
<td>Duct Knife</td>
</tr>
</tbody>
</table>

- Heat Treated Strength
- Double-Edged Blade
- Cryogenically Hardened

### AVIATION SNIPS

**UP TO 10X MORE CUTS**

**FORGED BLADES**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Cold Rolled Steel</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>46-22-4530</td>
<td>Standard Snips Set</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4510</td>
<td>Left Cutting Standard Snips</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4520</td>
<td>Right Cutting Standard Snips</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4533</td>
<td>3-Pc Standard Snips Set</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4532</td>
<td>Straight Cutting Offset Snips</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4512</td>
<td>Left Cutting Offset Snips</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4522</td>
<td>Right Cutting Offset Snips</td>
<td>18ga</td>
<td>20ga</td>
</tr>
<tr>
<td>46-22-4537</td>
<td>Long Cut Offset Snips</td>
<td>20ga</td>
<td>22ga</td>
</tr>
<tr>
<td>46-22-4538</td>
<td>Long Cut Offset Snips</td>
<td>20ga</td>
<td>22ga</td>
</tr>
<tr>
<td>46-22-4539</td>
<td>Long Cut Offset Snips</td>
<td>20ga</td>
<td>22ga</td>
</tr>
<tr>
<td>46-22-4531</td>
<td>Long Cut Offset Snips</td>
<td>20ga</td>
<td>22ga</td>
</tr>
</tbody>
</table>

- One-Hand Metal Locking
- Chrome Rust Protection
- Bolt Lock: Blades will not loosen
- Flush Bolt Design: Won’t hang up on material
- Lanyard Hole
- Bolt Lock: Blades will not loosen
- Standard: blades made from high carbon steel
- Long Cut: blades made from high carbon stainless steel
- Offset: blades made from high carbon stainless steel
- Specialty: blades made from high carbon stainless steel
### OFFSET COMPOUND TINNERS

**TOUGH CUTS**

2X FORCE, LESS EFFORT

**BOLT LOCK**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-4003</td>
<td>10&quot; Classic Tinner</td>
</tr>
<tr>
<td>48-22-4002</td>
<td>12&quot; Classic Tinner</td>
</tr>
<tr>
<td>48-22-4001</td>
<td>16&quot; Bulldog Tinner</td>
</tr>
</tbody>
</table>

### CLASSIC TINNERS

**BLADES WILL NOT LOOSE**

**BOLT LOCK**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-4003</td>
<td>10&quot; Classic Tinner</td>
</tr>
<tr>
<td>48-22-4002</td>
<td>12&quot; Classic Tinner</td>
</tr>
<tr>
<td>48-22-4001</td>
<td>16&quot; Bulldog Tinner</td>
</tr>
</tbody>
</table>

### DUCKBILL TINNER

**BLADES WILL NOT LOOSE**

**BOLT LOCK**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-4004</td>
<td>10&quot; Duckbill Tinner</td>
</tr>
</tbody>
</table>

### LIGHTWEIGHT TINNERS

**STRAIGHTER, CLEANER CUTS**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-4000</td>
<td>10&quot; Lightweight Tinner</td>
</tr>
<tr>
<td>48-22-4007</td>
<td>Lightweight Tinner Replacement Blades</td>
</tr>
</tbody>
</table>

### SCISSORS, SEAMER & CRIMPER

### JOBSITE SCISSORS

**ALL-METAL HANDLES**

UP TO 10X LONGER LIFE

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-4000</td>
<td>Offset Jobsite Scissors (Serrated)</td>
</tr>
<tr>
<td>48-22-4001</td>
<td>Straight Jobsite Scissors (Smooth)</td>
</tr>
</tbody>
</table>

### SPEED SEAMER

**FASTER, MORE ACCURATE HVAC FOLDS**

1-1/2" Throat Depth

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-4000</td>
<td>3&quot; SPEED SEAMER™</td>
</tr>
</tbody>
</table>

### CRIMPER

**UP TO 2X LONGER LIFE**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-3000</td>
<td>5&quot; Blade Crimper</td>
</tr>
</tbody>
</table>
## BOLT CUTTERS

**MORE CUTS. MAXIMUM VERSATILITY.**

**Forged Steel Blades & Custom Heat Treated Maximum Durability**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Max Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Soft/Medium Materials &lt;br&gt;(up to 31 HRC)</td>
</tr>
<tr>
<td>48-22-4114</td>
<td>14” Adaptable Bolt Cutter</td>
<td>1/4”</td>
</tr>
<tr>
<td>48-22-4124</td>
<td>24” Adaptable Bolt Cutter</td>
<td>1/8”</td>
</tr>
</tbody>
</table>

**Comfort Grip**
- Won’t peel

**Bolt Lock**
- Lasts longer, stays tight

**Lanyard Hole**

## HIGH-TENSION HACKSAWS

**MOST DURABLE. HIGHEST TENSION.**

**6-Blade Storage Capacity**

**Reinforced Metal Frame**

**45° Angle Blade Position**

**Tool-Free Blade Change**

**Rubber Overmold**

**Adjustable Blade Length**

| Model #   | Description            | 
|-----------|------------------------|----------------------------------|
| 48-22-0012 | Compact Hacksaw        | 

## COMPACT HACKSAWS

**UP TO 10X FASTER BLADE CHANGE**

**Compact Design**

| Model #   | Description            | 
|-----------|------------------------|----------------------------------|
| 48-22-0012 | Compact Hacksaw        | 

## ADAPTABLE BOLT CUTTERS W/ POWERMOVE® EXTENDABLE ARMS

**MORE CUTS. LONGER LIFE.**

**Forged Steel Blades & Custom Heat Treated Maximum Durability**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Max Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Soft/Medium Materials &lt;br&gt;(up to 31 HRC)</td>
</tr>
<tr>
<td>48-22-4014</td>
<td>14” Bolt Cutter</td>
<td>5/16”</td>
</tr>
<tr>
<td>48-22-4024</td>
<td>24” Bolt Cutter</td>
<td>7/16”</td>
</tr>
</tbody>
</table>

**Comfort Grip**
- Won’t peel

**Bolt Lock**
- Lasts longer, stays tight

**Lanyard Hole**

## HACKSAWS

**MOST DURABLE. HIGHEST TENSION.**

**6-Blade Storage Capacity**

**Reinforced Metal Frame**

**High-Leverage Tension Knob**

| Model #   | Description            | 
|-----------|------------------------|----------------------------------|
| 48-22-0050 | 10 Pc 12” High-Tension Hacksaw | 
| 48-43-0600 | 10 Pc 12” 14TPI Hacksaw Blade | 
| 48-43-0610 | 10 Pc 12” 18TPI Hacksaw Blade | 
| 48-43-0620 | 10 Pc 12” 24TPI Hacksaw Blade | 
| 48-43-0630 | 10 Pc 12” 32TPI Hacksaw Blade | 

**Most Durable. Highest Tension.**

**45˚ Angle Blade Position**

**Compact Design**

**Tool-Free Blade Change**

**Rubber Overmold**

**Adjustable Blade Length**

| Model #   | Description            | 
|-----------|------------------------|----------------------------------|
| 48-22-0012 | Compact Hacksaw        | 

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### Rasping Jab Saw

**Built-In Rasping Holes**
- Built-In Rasping Holes
- Tool-Free Blade Change
- Rubber Overmold

**Model #** | **Description**
--- | ---
48-22-0304 | Rasping Jab Saw

**6” Plaster/Drywall Blade**

**Motors**
- Piercing Tip

**Folding Jab Saw**

**Uses Standard SAWZALL® Recip Saw Blades**
- Tool-Free Blade Change
- Rubber Overmold

**Model #** | **Description**
--- | ---
48-22-0305 | Folding Jab Saw

**6” Plaster/Drywall Blade**

**Motors**
- Folding Blade

**PVC/ABS Saw**

**Fast Cuts Through PVC**
- Impact Resistant Body
- Tool-Free Blade Change

**Model #** | **Description**
--- | ---
48-22-0212 | 12” PVC/ABS Saw
48-22-0222 | 12” PVC/ABS Saw Replacement Blade
48-22-0223 | 18” PVC/ABS Saw
48-22-0220 | 18” PVC/ABS Saw Replacement Blade

**Motors**
- Metal Core

### Tubing/Pipe Cutters & Reaming Pen

**Tubing Cutter**

**Indestructible Frame**
- V-Shaped Blade
- Metal Core
- Rework Groove
- One-Hand Locking

**Model #** | **Description**
--- | ---
48-22-4210 | 1-5/8” Ratcheting Pipe Cutter
48-22-4211 | 1-5/8” Ratcheting Pipe Cutter Replacement Blade
48-22-4215 | 2-3/8” Ratcheting Pipe Cutter
48-22-4216 | 2-3/8” Ratcheting Pipe Cutter Replacement Blade

**Model #** | **Description**
--- | ---
48-22-4202 | Tubing Cutter
48-22-4203 | Tubing Cutter Replacement Blade

**Model #** | **Description**
--- | ---
48-22-4255 | Reaming Pen

**Model #** | **Description**
--- | ---
48-22-4255 | Reaming Pen

**Motors**
- Replaceable Blades

### Reaming Pen

**All-Metal Design**
- Copper Heat Treated and Black Oxide Coated
- PVC Slide Resistant Clip

**Model #** | **Description**
--- | ---
48-22-4255 | Reaming Pen
COPPER TUBING CUTTERS

MINI COPPER TUBING CUTTERS

5X LONGER LIFE
REINFORCED ADJUSTMENT MECHANISM

CLOSE QUARTERS COPPER TUBING CUTTERS
MOST COMPACT. LONGEST LIFE.

Model #    Description    Cut Capacity    Extra Blade
48-22-4250  1/2" Mini Copper Tubing Cutter  1/8"–5/8"    —
48-22-4251  3/4" Mini Copper Tubing Cutter  1/8"–5/8"    —
48-22-4252  1" Mini Copper Tubing Cutter  1/8"–1-1/8"    Yes
48-22-4256  2 Pc Replacement Cutter Wheels —    —

QUICK-ADJUST TUBING CUTTERS

STRAIGHTER, CLEANER CUTS
4 CHROME ROLLERS

Model #    Description    Cut Capacity    Extra Blade
48-22-4253  2-1/2" Quick-Adjust Copper Tubing Cutter  1/2"–2-5/8"    —
48-22-4254  3-1/2" Quick-Adjust Copper Tubing Cutter  1/2"–3-1/2"    —
48-22-4255  2 Pc Replacement Cutter Wheels —    —
48-22-4256  2 Pc Replacement PEX Cutter Wheel —    —

CONSTANT SWING COPPER TUBING CUTTERS

STRAIGHTER, CLEANER CUTS
4 CHROME ROLLERS

Model #    Description    Cut Capacity    Extra Blade
48-22-4259  1" Constant Swing Copper Tubing Cutter  1/8"–1-1/8"    Yes
48-22-4250  1/2" Mini Copper Tubing Cutter  1/8"–5/8"    —
48-22-4251  3/4" Mini Copper Tubing Cutter  1/8"–5/8"    —
48-22-4252  1" Mini Copper Tubing Cutter  1/8"–1-1/8"    Yes
48-22-4256  2 Pc Replacement Cutter Wheels —    —

Built-In Reamer on 46-22-4252

Weep Holes
Directional Grip
Chrome Rollers Rust Protection

Easy, Tool-Free Blade Change
Quick Adjustment
Chrome Rollers Rust Protection

Easy, Tool-Free Blade Change
Smooth Adjustment
Chrome Rollers Rust Protection

Adapt to Cut 3" PEX

Additional Storage Blades and reaming pen

Chrome Rollers Rust Protection

Easy Grip
Chrome Rollers Rust Protection

Blade and reaming pen
PUNCHDOWN TOOL

BEST ACCESS & VISIBILITY

- Integrated LED Light
- High / Low Impacting Function
- Extended Reach Punchdown Blade

MINI FLUSH CUTTER

CONSISTENT, PRECISE CUTS

- Light Weight
- Spring Assisted

RATCHETING MODULAR CRIMPER

CONSISTENT, ACCURATE CRIMPS

- Parallel Crimping Design
- Easy Access Jack Removal
- In-Line Head Design
- Ratcheting Mechanism

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Blades Included</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2165</td>
<td>Punchdown Tool with Extended Blade</td>
<td>66/110 Combination and Extended Reach 110</td>
</tr>
<tr>
<td>48-22-2166</td>
<td>Extended Punchdown Blade</td>
<td>Extended Reach 110</td>
</tr>
<tr>
<td>48-22-2167</td>
<td>Punchdown Blade</td>
<td>66/110 Combination</td>
</tr>
</tbody>
</table>

Also Available:

- Extended Reach Punchdown Blade

MULTI-PICK TOOL

4IN1

- Anti-Roll Grip
- Storage Cap
- Spudger
- Wire Pick & Hook
- 1/8" Slotted
- #0 Phillips

ELECTRICIAN SNIPS

BLADES WON’T LOOSE.
BOLT LOCK

- Forged Blade
- All-Metal Handles
- Wire Gullet Prevents Walking

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-2141</td>
<td>Multi-Pick Tool</td>
</tr>
</tbody>
</table>

UTP STRIPPER

COMFORTABLE, ONE HAND OPERATION

- Spring Assisted Stripping
- Adjustable Blade Height

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-3085</td>
<td>UTP Stripper</td>
</tr>
</tbody>
</table>

CONSISTENT, ACCURATE CRIMPS

- High / Low Impacting Function
- Extended Reach Punchdown Blade

MINI FLUSH CUTTER

CONSISTENT, PRECISE CUTS

- Light Weight
- Spring Assisted

RATCHETING MODULAR CRIMPER

CONSISTENT, ACCURATE CRIMPS

- Parallel Crimping Design
- Easy Access Jack Removal
- In-Line Head Design
- Ratcheting Mechanism

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-3075</td>
<td>Ratcheting Modular Crimper</td>
</tr>
</tbody>
</table>

Also Available:

- Extended Reach Punchdown Blade
CONDUIT BENDERS

HIGH CONTRAST MARKINGS
BEST VISIBILITY

FISH STICKS

MOST DURABLE CONNECTIONS. BRIGHTEST GLOW.

POLYESTER FISH TAPES

EASIEST FISHING. MORE DURABLE TAPE.

STEEL FISH TAPES

SMOOTH PAYOUT. EASIER FISHING.

CONDUIT BENDER

Model # Description
48-22-4080 1/2" Iron Conduit Bender
48-22-4081 3/4" Iron Conduit Bender
48-22-4082 1" Iron Conduit Bender
48-22-4070 1/2" Aluminum Conduit Bender
48-22-4071 3/4" Aluminum Conduit Bender

Reinforced Multi-Position Foot Pedal

Wear Resistant Reference Chart

Model # Description
48-22-4171 25ft 1/8" Steel Fish Tape
48-22-4172 50ft 1/8" Steel Fish Tape
48-22-4173 60ft 1/8" Steel Fish Tape
48-22-4176 120ft 1/8" Steel Fish Tape
48-22-4178 240ft 1/8" Steel Fish Tape
48-22-4181 25ft 1/4" Steel Fish Tape with Low Profile Tip
48-22-4185 100ft 1/4" Steel Fish Tape

Reinforced Hook

HIGH CONTRAST

MARKINGS

BEST VISIBILITY

FISH STICKS

MOST DURABLE CONNECTIONS. BRIGHTEST GLOW.

Model # Description Kit Includes
48-22-4149 5ft Low Flex Fish Stick (1) 5’ Low Flex Fish Stick, and Bullet Nose
48-22-4150 15ft Low Flex Fish Stick Kit (3) 5’ Low Flex Fish Sticks, Storage Tube, Bullet Nose and Hook
48-22-4151 5ft Mid Flex Fish Stick (1) 5’ Mid Flex Fish Stick, and Bullet Nose
48-22-4152 15ft Mid Flex Fish Stick Kit (3) 5’ Mid Flex Fish Sticks, Storage Tube, Bullet Nose and Hook
48-22-4153 5ft High Flex Fish Stick (1) 5’ High Flex Fish Stick, and Bullet Nose
48-22-4154 15ft High Flex Fish Stick Kit (3) 5’ High Flex Fish Sticks, Storage Tube, Bullet Nose and Hook

MET Part # Description Kit Includes
48-22-4149 25ft Fish Stick Combo Kit (4) 5’ Low Flex Fish Stick, 1/8” Flexible Blue Tempered Steel, 1/2” Flexible Blue Tempered Steel, Straight wire runs
48-22-4150 30ft Fish Stick Combo Kit (4) 5’ Low Flex, (1) 5’ Mid Flex Fish Stick, (1) Storage Case, Bullet Nose, Hook, and Whisk
48-22-4151 60ft Fish Stick Combo Kit (7) 5’ Low Flex, (2) 5’ Mid Flex, (2) 5’ High Flex Fish Sticks, (1) Storage Case, Bullet Nose, Hook, Whisk, Magnetic Tip and Chain, Lighted Tip Accessory
48-22-4152 3 PC. Fish Stick Accessory Kit (1) Whisk, Bullet Nose, and Hook
48-22-4153 Fish Stick Lighted Tip Accessory (1) Lighted Tip Accessory
48-22-4154 Fish Stick Magnetic Tip and Chain Accessory (1) Magnetic Tip and (1) Chain Accessory

MET Part # Description
48-22-4171 50ft Polyester Fish Tape
48-22-4172 100ft Polyester Fish Tape
48-22-4173 250ft Polyester Fish Tape
48-22-4174 500ft Polyester Fish Tape

High Flexibility Tape

Flexible Metal Leader

Multi-Position Handle

Square Inner Grip

Low Friction Case

Lasers/Easy Read Markings

1/4" Flexible Blue Tempered Steel

EASIEST FISHING.

MORE DURABLE TAPE.

STEEL FISH TAPES

SMOOTH PAYOUT. EASIER FISHING.

Also Available:
500 Polyester Fish Tape with Nonconductive Tip 48-22-4162

High Flexibility Tape

Flexible Metal Leader

Multi-Position Handle

Square Inner Grip

Low Friction Case

Smooth Pay Out

EASIEST FISHING.

MORE DURABLE TAPE.

STEEL FISH TAPES

SMOOTH PAYOUT. EASIER FISHING.

Also Available:
500 Polyester Fish Tape with Nonconductive Tip 48-22-4162

High Flexibility Tape

Flexible Metal Leader

Multi-Position Handle

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High Flexibility Tape

Flexible Metal Leader

Multi-Position Handle

Square Inner Grip

Low Friction Case

Smooth Pay Out
**PACKOUT™ MODULAR STORAGE**

**MOST VERSATILE DURABLE MODULAR STORAGE SYSTEM**

### BUILD YOUR SYSTEM

**PACKOUT™ MODULAR STORAGE**

#### ROLLING TOOL BOX

- **250 lbs Capacity**
- **9” All-Terrain Wheels**
- **Metal Reinforced Locking Point**
- **IP65 Rated Protection**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Weight Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8424</td>
<td>PACKOUT™ Rolling Tool Box</td>
<td>250 lbs</td>
</tr>
</tbody>
</table>

#### TOOL BOXES

- **Metal Reinforced Locking Point**
- **IP65 Rated Protection**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Weight Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8424</td>
<td>PACKOUT™ Tool Box</td>
<td>75 lbs</td>
</tr>
<tr>
<td>48-22-8425</td>
<td>PACKOUT™ Large Tool Box</td>
<td>100 lbs</td>
</tr>
</tbody>
</table>

#### TOOL CASE WITH CUSTOMIZABLE INSERT

- **75 lbs Weight Capacity**
- **Impact Resistant Polymer Construction**
- **Reinforced Locking Point**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Weight Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8440</td>
<td>PACKOUT™ Tool Case</td>
<td>75 lbs</td>
</tr>
<tr>
<td>48-22-8451</td>
<td>PACKOUT™ Customizable Foam Insert</td>
<td></td>
</tr>
</tbody>
</table>
**PACKOUT™ MODULAR STORAGE**

**CRATE**

- **Stack or Hang**
  - Rear hanging points for vertical use
  - Top attachment points for stacking

- **Modular Connectivity with All PACKOUT™ Components**
- **Impact Resistant Polymer Construction**

- **50 lbs Weight Capacity**

**ORGANIZERS**

- **Removable & Mountable Bins**
- **No-Travel Bin Seals**
- **IP65 Rated Protection**

- **Modular Connectivity with All PACKOUT™ Components**
- **Impact Resistant Polymer Base**

**LOW-PROFILE ORGANIZERS**

- **6 Removable Bin Dividers**
- **5 Removable Bins**
- **Modular Connectivity with All PACKOUT™ Components**

**TOTES**

- **Modular Connectivity with All PACKOUT™ Components**
- **Impact Resistant Polymer Base**

**TOOL BAGS**

- **Impact Resistant Polymer Base**
- **Versatile Carry**

**COOLER**

- **Impact Resistant Polymer Base**
- **Holds Ice for 24 Hours**

---

**Model #** | **Description** | **Tool Pockets**
---|---|---
48-22-8305 | PACKOUT™ 15" Tote | 24
48-22-8310 | PACKOUT™ 15" Tote | 31
48-22-8320 | PACKOUT™ 20" Tote | 32

---

**Model #** | **Description** | **Tool Pockets**
---|---|---
46-22-8430 | PACKOUT™ Low-Profile Organizer | 48-22-8431 | PACKOUT™ Low-Profile Compact Organizer |

---

**Model #** | **Description** | **Tool Pockets**
---|---|---
48-22-8321 | PACKOUT™ 15" Tool Bag | 48-22-8322 | PACKOUT™ 20" Tool Bag |

---

**Model #** | **Description** | **Tool Pockets**
---|---|---
48-22-8320 | PACKOUT™ 20" Tote | 48-22-8321 | PACKOUT™ 15" Tool Bag |

---

**Model #** | **Description** | **Tool Pockets**
---|---|---
**JOBSITE TECH BAG**

UP TO 5X MORE DURABLE

- **1680 Ballistic Nylon**
- **Impact-Resistant Base**
- **Tear Resistant**

**HARDTOP® ROLLING BAGS**

MOST DURABLE. ULTIMATE VERSATILITY.

- **1680 Ballistic Nylon**
- **Industrial Grade Extension Handle**
- **Padded Tech Pocket**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8210</td>
<td>Jobsite Tech Bag</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
<tr>
<td>48-22-8211</td>
<td>18&quot; Rolling Bag</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
<tr>
<td>48-22-8220</td>
<td>24&quot; HARDTOP® Rolling Bag</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
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</tr>
</thead>
<tbody>
<tr>
<td>48-22-8202</td>
<td>Low-Profile Backpack</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
<tr>
<td>48-22-8210</td>
<td>Jobsite Tech Bag</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
<tr>
<td>48-22-8200</td>
<td>Jobsite Cooler</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
</tbody>
</table>

**JOBSITE COOLER**

HOLDS ICE UP TO 24HRS

- **Food-Grade Leak Proof Liner**
- **No-Sweat Exterior**
- **Tape Measure Clip with Bottle Opener**
- **1680D Weather Resistant Base**

**LOW-PROFILE BACKPACK**

DURABLE, LOW-PROFILE DESIGN

- **Attachment Strap**
- **Tape Measure Clip**
- **Load-Bearing Harness**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8250</td>
<td>Jobsite Cooler</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
</tr>
<tr>
<td>48-22-8202</td>
<td>Low-Profile Backpack</td>
<td>1680D Ballistic Nylon, Impact-Resistant Base, Tear Resistant</td>
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**TEAR RESISTANT**

1680D Ballistic Nylon

**Model # | Description                  | Features                               |
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<thead>
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</table>

**TEAR RESISTANT**

1680D Ballistic Nylon

- **Padded Tech Pocket**
- **Metal-Reinforced Skid Plates**
- **6" All-Terrain Wheels**
- **All-Metal Rims & Through Axle**
- **HARDTOP® Construction For stacking**

**Model # | Description                  | Features                               |
<table>
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<td>Jobsite Cooler</td>
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</tbody>
</table>
JOBSITE BACKPACK

**UP TO 5X MORE DURABLE**

- Rugged Metal Zippers
- 1680D Ballistic Nylon
- Load-Bearing Harness
- Laptop Storage (fits up to 15.6"

**ULTIMATE JOBSITE BACKPACK**

**ULTIMATE DURABILITY, PROTECTION, & STORAGE**

- Attachment Strap
- Tape Measure Clip
- Hardshell Protected Electronics Pocket
- 1680D Ballistic Material
- Rugged Metal Zippers

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
<th>Pockets</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8201</td>
<td>Ultimate Jobsite Backpack</td>
<td>48</td>
</tr>
</tbody>
</table>

PARACHUTE ORGANIZER BAG

**FASTEST ACCESS, BEST CONSTRUCTION**

- 6 Interior Pockets
- 3 Exterior Pockets
- Zipper Pouch
- Accessory Storage
- Durable Handle
- Weather-Resistant Base

**BUCKET ORGANIZER WRAP**

**MOST VERSATILE BUCKET ORGANIZER**

- Stand-Up & Stay-Open Design
- 6 Interior Pockets
- Exterior Zipper Pockets
- Versatile Open Bucket Design
- 1680D Ballistic Material

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8170</td>
<td>Parachute Organizer Bag</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-0175</td>
<td>Bucket Organizer Wrap</td>
</tr>
</tbody>
</table>

milwaukeetool.com 56

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# ZIPPER POUCHES

**UP TO 2X MORE DURABLE**

- **Hang Loop**
- **Rugged Metal Zipper**
- **Colored Webbing**
- **Easy size identification**
- **Heavy Duty #10 Canvas**

**UP TO 2X MORE DURABLE**

- **Water Resistant Stand-Up Base**
- **Zipper Pouch**
- **3 Pc Zipper Pouches**
- **3 Pc Multi-Size Zipper Pouches**

## MODEL # Description

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8180</td>
<td>Zipper Pouch</td>
</tr>
<tr>
<td>48-22-8193</td>
<td>3 Pc Zipper Pouches</td>
</tr>
<tr>
<td>48-22-8183</td>
<td>3 Pc Multi-Size Zipper Pouches</td>
</tr>
</tbody>
</table>

## Work Belts & Utility Pouches

**UP TO 5X LONGER LIFE**

- **Contractor's Work Belt with Suspension Rig**
- **Electrician's Work Belt**

**UP TO 5X LONGER LIFE**

- **Carpenter's Work Pouch**
- **3-Tier Material Work Pouch**

## Model # Description

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8110</td>
<td>Contractor's Work Belt with Suspension Rig</td>
</tr>
<tr>
<td>48-22-8115</td>
<td>Electrician's Work Belt</td>
</tr>
<tr>
<td>48-22-8121</td>
<td>Carpenter's Work Pouch</td>
</tr>
<tr>
<td>48-22-8149</td>
<td>3-Tier Material Work Pouch</td>
</tr>
</tbody>
</table>

## ZIPPER POUCHES

- **Weather Seal**
- **Mountable Bins**
- **Durable Latches**
- **Full Access While Stacked**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8030</td>
<td>20” Jobsite Organizer</td>
</tr>
<tr>
<td>48-22-8100</td>
<td>3 Pc Multi-Size Zipper Pouches</td>
</tr>
<tr>
<td>48-22-8110</td>
<td>3 Pc Multi-Size Zipper Pouches</td>
</tr>
</tbody>
</table>

## JOBSITE ORGANIZER

**MOST VERSATILE JOBSITE ORGANIZER**

- **No-Travel Bin Seals**
- **Quick-Attach Belt Loop**

## Model # Description

<table>
<thead>
<tr>
<th>Model #</th>
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</thead>
<tbody>
<tr>
<td>48-22-8030</td>
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<tr>
<td>48-22-8100</td>
<td>3 Pc Multi-Size Zipper Pouches</td>
</tr>
<tr>
<td>48-22-8110</td>
<td>Compact Utility Pouch</td>
</tr>
<tr>
<td>48-22-8111</td>
<td>Compact Utility Pouch</td>
</tr>
<tr>
<td>48-22-8112</td>
<td>Compact Utility Pouch</td>
</tr>
</tbody>
</table>

## Work Belts & Utility Pouches

**UP TO 5X LONGER LIFE**

- **Quick-Attach Belt Loop**
- **Hammer Loop**

## Model # Description

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8110</td>
<td>Quick-Attach Belt Loop</td>
</tr>
<tr>
<td>48-22-8111</td>
<td>Compact Utility Pouch</td>
</tr>
</tbody>
</table>
POWER UTILITY STORAGE

AERIAL TOOL APRON

REDEFINED PERFORMANCE. LASTING DURABILITY.

- Dedicated Flood Light Pocket
- Durable Vinyl Construction
- 25 Pockets
- Magnets Hold sockets in place
- Dedicated Flood Light

AERIAL OVAL BAG

UP TO 5X MORE DURABLE

- Puncture Resistant Knife Pockets
- 1680D Ballistic Material
- Weep Holes Let water out
- Swiveling Metal Carabiner

UNDERGROUND OVAL BAG

UP TO 5X MORE DURABLE

- Puncture Resistant Knife Pockets
- 1680D Ballistic Material
- Weep Holes Let water out
- Dedicated Flood Light Pocket

REINFORCED UTILITY BUCKET

REINFORCED CANVAS. LASTING DURABILITY.

- Reinforced Ring Keeps bag open
- Durable No. 6 Canvas
- Swivel Buckle

Model # Description
48-22-8275 Aerial Tool Apron
48-22-8270 Aerial Oval Bag
48-22-8276 Underground Oval Bag
48-22-8277 Canvas Utility Bucket

Puncture Resistant Knife Pockets
2 D-Rings More storage
Puncture Resistant Knife Pockets
14 Pockets
2 D-Rings Additional storage
Weep Holes Let water out
Impact-Resistant Molded Base

Puncture Resistant Knife Pockets
3 D-Rings More storage
Puncture Resistant Knife Pockets
24 Pockets
3 D-Rings More storage
Weep Holes Let water out
Impact-Resistant Molded Base

Puncture Resistant Knife Pockets
2 D-Rings More storage
Puncture Resistant Knife Pockets
2 D-Rings More storage
Weep Holes Let water out
Impact-Resistant Molded Base

Puncture Resistant Knife Pockets
3 D-Rings More storage
2 D-Rings More storage
2 D-Rings More storage
2 D-Rings More storage
Weep Holes Let water out
Impact-Resistant Molded Base

milwaukee.com 60
milwaukee.com 61
## Work Gloves

### Demolition Gloves with SMARTSWIPE™

**Up to 5x Longer Life**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8730</td>
<td>Demolition Gloves S</td>
</tr>
<tr>
<td>48-22-8731</td>
<td>Demolition Gloves M</td>
</tr>
<tr>
<td>48-22-8732</td>
<td>Demolition Gloves L</td>
</tr>
</tbody>
</table>

**Features:**
- TPR Knuckle Protection
- ARMORTEX® Reinforced Thumb, Fingers and Padded Palm
- Terry Cloth Sweat Wipe

### Performance Gloves with SMARTSWIPE™

**Ultimate Durability. All Day Comfort.**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8740</td>
<td>Performance Gloves S</td>
</tr>
<tr>
<td>48-22-8741</td>
<td>Performance Gloves M</td>
</tr>
<tr>
<td>48-22-8742</td>
<td>Performance Gloves L</td>
</tr>
<tr>
<td>48-22-8743</td>
<td>Performance Gloves XL</td>
</tr>
</tbody>
</table>

**Features:**
- High Dexterity Finger Tips
- Breathable Lining
- Terry Cloth Sweat Wipe
- Also Available: Performance Fingerless Gloves

### Free-Flex Gloves with SMARTSWIPE™

**Ultimate Durability. All Day Comfort.**

<table>
<thead>
<tr>
<th>Model #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8710</td>
<td>Free-Flex Gloves S</td>
</tr>
<tr>
<td>48-22-8711</td>
<td>Free-Flex Gloves M</td>
</tr>
<tr>
<td>48-22-8712</td>
<td>Free-Flex Gloves L</td>
</tr>
</tbody>
</table>

**Features:**
- High Dexterity Finger Tips
- Breathable Lining
- Free-Flex Elastic Cuff
- Terry Cloth Sweat Wipe

### Cut Level 1 Dipped Gloves with SMARTSWIPE™

**Ultimate Durability. All Day Comfort.**

<table>
<thead>
<tr>
<th>Size</th>
<th>1 Pair</th>
<th>12 Pair (Contractor Pack)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>48-22-8200</td>
<td>48-22-8200B</td>
</tr>
<tr>
<td>M</td>
<td>48-22-8201</td>
<td>48-22-8201B</td>
</tr>
<tr>
<td>L</td>
<td>48-22-8202</td>
<td>48-22-8202B</td>
</tr>
<tr>
<td>XL</td>
<td>48-22-8203</td>
<td>48-22-8203B</td>
</tr>
<tr>
<td>XXL</td>
<td>48-22-8204</td>
<td>48-22-8204B</td>
</tr>
</tbody>
</table>

**Features:**
- SMARTSWIPE™ Touch Screen Compatible Index Finger
- High Dexterity Finger Tips
- Nitrile Coated Fingertips
- Breathable Backing
- Color-Coded Bands Easy cut rating identification

### Cut Level 3 Dipped Gloves with SMARTSWIPE™

**Ultimate Durability. All Day Comfort.**

<table>
<thead>
<tr>
<th>Size</th>
<th>1 Pair</th>
<th>12 Pair (Contractor Pack)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>48-22-8300</td>
<td>48-22-8300B</td>
</tr>
<tr>
<td>M</td>
<td>48-22-8301</td>
<td>48-22-8301B</td>
</tr>
<tr>
<td>L</td>
<td>48-22-8302</td>
<td>48-22-8302B</td>
</tr>
<tr>
<td>XL</td>
<td>48-22-8303</td>
<td>48-22-8303B</td>
</tr>
<tr>
<td>XXL</td>
<td>48-22-8304</td>
<td>48-22-8304B</td>
</tr>
</tbody>
</table>

**Features:**
- SMARTSWIPE™ Touch Screen Compatible Finger Tips & Palms
- Nitrile Web Grip Comfort
- Breathable Backing
- Color-Coded Bands Easy cut rating identification

### Cut Level 5 Dipped Gloves with SMARTSWIPE™

**Ultimate Durability. All Day Comfort.**

<table>
<thead>
<tr>
<th>Size</th>
<th>1 Pair</th>
<th>12 Pair (Contractor Pack)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>48-22-8500</td>
<td>48-22-8500B</td>
</tr>
<tr>
<td>M</td>
<td>48-22-8501</td>
<td>48-22-8501B</td>
</tr>
<tr>
<td>L</td>
<td>48-22-8502</td>
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<tr>
<td>XL</td>
<td>48-22-8503</td>
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</tr>
<tr>
<td>XXL</td>
<td>48-22-8504</td>
<td>48-22-8504B</td>
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</tbody>
</table>

**Features:**
- SMARTSWIPE™ Touch Screen Compatible Finger Tips & Palms
- Double Dipped Nitrile Coating Best in-class Durability
- Breathable Backing
- Color-Coded Bands Easy cut rating identification

---

*Ultimate Durability. All Day Comfort.*

*Touch Screen Compatible Fingertips, Palm & Knuckle.*

*Color-Coded Bands Easy cut rating identification.*

*Double Dipped Nitrile Coating Best in-class Durability.*

*Nylon/Lycra Liner All day comfort.*

*Best-In-Class Puncture Resistance.*

*Color-Coded Bands Easy cut rating identification.*

*Touch Screen Compatible Fingertips, Palm & Knuckle.*

*Color-Coded Bands Easy cut rating identification.*

*Double Dipped Nitrile Coating Best in-class Durability.*

*Color-Coded Bands Easy cut rating identification.*

*Double Dipped Nitrile Coating Best in-class Durability.*

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*Double Dipped Nitrile Coating Best in-class Durability.*

*Color-Coded Bands Easy cut rating identification.*

*Touch Screen Compatible Fingertips, Palm & Knuckle.*

*Color-Coded Bands Easy cut rating identification.*
**CUT LEVEL 1 INSULATED WINTER GLOVES**

**ULTIMATE WARMTH. ALL DAY COMFORT.**

- Warm Acrylic Terry Cloth Liner
- Secure Dual Liner
- Breathable Backing
- Color-Coded Bands
- High Dexterity 15G4 nylon

**Size**

<table>
<thead>
<tr>
<th>Size</th>
<th>1 Pair</th>
<th>12 Pair (Contractor Pack)</th>
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</thead>
<tbody>
<tr>
<td>S</td>
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<td>48-22-8910B</td>
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<tr>
<td>M</td>
<td>48-22-8911</td>
<td>48-22-8911B</td>
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<tr>
<td>L</td>
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<td>48-22-8912B</td>
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</tr>
<tr>
<td>XXL</td>
<td>48-22-8914</td>
<td>48-22-8914B</td>
</tr>
</tbody>
</table>

**CUT LEVEL 3 INSULATED WINTER GLOVES**

**ULTIMATE WARMTH. ALL DAY COMFORT.**

- Warm Acrylic Terry Cloth Liner
- Secure Dual Liner
- Color-Coded Bands
- Breathable Backing
- 3/4 Double Dipped Latex

**Size**

<table>
<thead>
<tr>
<th>Size</th>
<th>1 Pair</th>
<th>12 Pair (Contractor Pack)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>48-22-8920</td>
<td>48-22-8920B</td>
</tr>
<tr>
<td>M</td>
<td>48-22-8921</td>
<td>48-22-8921B</td>
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<td>L</td>
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<td>48-22-8922B</td>
</tr>
<tr>
<td>XL</td>
<td>48-22-8923</td>
<td>48-22-8923B</td>
</tr>
</tbody>
</table>

**LOCKING TOOL LANYARDS**

**BEST SHOCK ABSORPTION**

- Double-Locking Carabiner
- Integrated Swivel
- Color Coded
- Individualized Serial Numbers

**Part #**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Weight Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8810</td>
<td>10 lbs</td>
<td>Locking Tool Lanyard</td>
</tr>
<tr>
<td>48-22-8811</td>
<td>10 lbs</td>
<td>10 lbs Extended Reach Locking Tool Lanyard</td>
</tr>
<tr>
<td>48-22-8815</td>
<td>15 lbs</td>
<td>15 lbs Locking Tool Lanyard</td>
</tr>
<tr>
<td>48-22-8850</td>
<td>35 lbs</td>
<td>35 lbs Locking Tool Lanyard</td>
</tr>
<tr>
<td>48-22-8820</td>
<td>10 lbs</td>
<td>Quick-Connect Locking Tool Lanyard</td>
</tr>
<tr>
<td>48-22-8821</td>
<td>5 lbs</td>
<td>3 Pc 5 lbs Quick-Connect Lanyard Accessory</td>
</tr>
<tr>
<td>48-22-8822</td>
<td>10 lbs</td>
<td>3 Pc 10 lbs Quick-Connect Lanyard Accessory</td>
</tr>
</tbody>
</table>

**Tether Tools When Working at Height**

- Quick Tool Change Out
- Quick-Connect Locking Tool Lanyard System
- Integrated Swivel
- Color Coded
- Individualized Serial Numbers

**Part #**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Weight Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-0820</td>
<td>10 lbs</td>
<td>Quick Connect Locking Tool Lanyard</td>
</tr>
<tr>
<td>48-22-0821</td>
<td>10 lbs</td>
<td>10 lbs Quick Connect Locking Tool Lanyard Accessory</td>
</tr>
<tr>
<td>48-22-0822</td>
<td>10 lbs</td>
<td>15 lbs Quick Connect Locking Tool Lanyard Accessory</td>
</tr>
</tbody>
</table>
## LANYARD ACCESSORIES

### EASILY CONNECT

#### TAPE & D-RING WEB ATTACHMENTS

<table>
<thead>
<tr>
<th>Part #</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-8860</td>
<td></td>
<td>12' Self-Adhering Tape</td>
</tr>
<tr>
<td>48-22-8870</td>
<td>2 lbs</td>
<td>5 Pc 2 lbs D-Ring Web Attachment</td>
</tr>
<tr>
<td>48-22-8871</td>
<td>5 lbs</td>
<td>5 Pc 5 lbs D-Ring Web Attachment</td>
</tr>
<tr>
<td>48-22-8872</td>
<td>35 lbs</td>
<td>D-Ring 35 lbs Web Attachment</td>
</tr>
</tbody>
</table>

#### SPLIT RINGS

<table>
<thead>
<tr>
<th>Part #</th>
<th>Weight Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>48-22-0080</td>
<td></td>
<td>5/16&quot; 2 lbs 5/16&quot; Split Ring</td>
</tr>
<tr>
<td>48-22-0081</td>
<td>2 lbs</td>
<td>5/16&quot; 2 lbs 1&quot; Split Ring</td>
</tr>
<tr>
<td>48-22-0082</td>
<td>2 lbs</td>
<td>5/16&quot; 2 lbs 1-1/2&quot; Split Ring</td>
</tr>
<tr>
<td>48-22-0083</td>
<td>2 lbs</td>
<td>5/16&quot; 2 lbs 2&quot; Split Ring</td>
</tr>
</tbody>
</table>

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