SUPPLYING SOLUTIONS FOR
ALL YOUR ABRASIVE NEEDS

Whether you want maximum productivity or simply a low initial price, our Norton line has the tools and abrasive products to complete all your jobs – from initial stock removal to final finishing.

Norton Quantum3 Ceramic Depressed Center Wheels
BEST: Take Our Quantum Leap In Performance Technology; conquer hard-to-grind stainless, carbon steel, alloy, and gray iron applications.

Norton Red Heat Ceramic Quick-Change & Flap Discs
BEST: Tough on Metal; Easy on You: comfortable, high productivity for stock removal, blending, and finishing mild carbon steel, cast iron, and ferrous metals.

Norton BlueFire Zirconia Wheels, Discs, and Belts
BETTER: Performance On Fire: ideal for grinding, cutting, deburring, blending, and finishing stainless steel, carbon steel, alloys, and gray iron.

Norton Neon Aluminum Oxide Discs and Belts
GOOD: Need A Quick Solution To A Simple Project? These economical options shine, even on difficult-to-grind jobs.
MAKE THIS ONE-VENDOR, PERFECT-PAIRING OF NORTON TOOLS AND ABRASIVES

Our new Norton tools quickly and comfortably accomplish many portable applications without changing machines. Equip your new tools with the complete line of superior Norton abrasive products. They will run longer at maximum efficiency.

Norton Mini Angle Sander

GOOD: Put The World In The Palm Of Your Hand with our 2” and 3” sanders, compact enough for hard-to-reach areas; powerful enough to finish the job fast and efficiently.

Norton Die Grinder

GOOD: And The Power At Your Fingertips: use our versatile grinder for deburring, medium to light stock removal and surface cleaning, to surface prepping and finishing.

Rapid Prep XHD Non-Woven Quick-Change Discs

BEST: Meet Our New Dynamic Duo: XHD Coarse grit discs for aggressive weld removal and surface blending on steels and XHD Medium grit discs on softer metals/alloys. Save labor time and costs too, with fewer disc changes vs. standard discs.

Vortex Rapid Prep Non-Woven Quick-Change Discs

BETTER: They Say, “Condition is Everything.” Achieve perfect, smear-free deburring, surface conditioning, and blending on a variety of materials; will not load on soft metal and aluminum.
**DCD996B**
20V MAX* XR® Brushless Lithium Ion 3 Speed Hammerdrill (Tool Only)

**DCF887B**
20V MAX* XR® Brushless 1/4" 3-Speed Impact Driver (Tool Only)

**DCF899B**
20V MAX* XR® Brushless High Torque 1/2" Impact Wrench with Detent Pin Anvil (Tool Only)

**DCF894B**
20V MAX* XR® 1/2" Mid-Range Cordless Impact Wrench with Detent Pin Anvil (Tool Only)

**DCS373B**
20V MAX* Lithium Ion Metal Cutting Circular Saw (Tool Only)

**DCS388B**
FLEXVOLT® 60V MAX* Brushless Reciprocating Saw (Tool Only)

**DCS367B**
20V MAX* XR® Brushless Compact Reciprocating Saw (Tool Only)

**DCS494B**
20V MAX* 14 ga. Swivel Head Double Cut Shears (Tool Only)

**DCS350B**
20V MAX* Threaded Rod Cutter (Tool Only)

**DCS374B**
20V MAX* Brushless Deep Cut Band Saw (Tool Only)

**DCG412B**
20V MAX* Lithium Ion 4-1/2 / 5" (125 mm) Grinder (Tool Only)

**DCG414B**
FLEXVOLT® 60V MAX* 4-1/2" - 6" (115 mm - 150 mm) Grinder with Kickback Brake (Tool Only)

**DCS491B**
20V MAX* 14 ga. Swivel Head Double Cut Shears (Tool Only)

**DCS350B**
20V MAX* Threaded Rod Cutter (Tool Only)

**D28499X**
7" and 9" (180 mm & 230 mm) 6,000 rpm 5.3 HP Angle Grinder

**DWE402**
4-1/2" (115 mm) Small Angle Grinder

**DWE43114**
4-1/2" (115 mm) / 5" (125 mm) High Performance Cut-Off / Grinder with E-Clutch® System

**D28715**
14" Chop Saw with QUIK CHANGE™ Keyless Blade Change System

**DW758**
8" (205 mm) Bench Grinder

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*With respect to 20V MAX*, maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

*With respect to 60V MAX*, maximum initial battery voltage (measured without a workload) is 60 volts. Nominal voltage is 54.

Copyright © 2018 DEWALT. The following are trademarks for one or more DEWALT power tools, accessories, anchors and concrete adhesives: The yellow and black color scheme; the “D”-shaped air intake grill; the array of pyramids on the handgrip; the kit box configuration; and the array of lozenge-shaped humps on the surface of the tool.
Files
For more than 200 years, PFERD files have been globally recognized as being the best in the file industry. Featuring high cutting performance with many innovative shapes and cuts, PFERD is an industry leader.

Choose from over 600 files in the PFERD range for your chamfering, deburring, roughing, fine finishing and surface work needs.

High-Performance Carbide Burs
PFERD carbide burs are manufactured in compliance with the highest quality standards. They are specifically engineered for use on certain materials and applications, reducing vibration, increasing stock removal and overall tool life.

Power & Maintenance Brushes
Made in Milwaukee, WI, PFERD’s power brushes include wheel, end, cup, shaft mount, and tube-style configurations. PFERD’s line of maintenance brushes include scratch and chip, broom, utility and scrub brushes. Several different filament options are available depending on your application requirements.
POLIFAN®-CURVE Flap Discs

POLIFAN®-CURVE is designed to quickly achieve a smooth, consistent surface finish on fillet welds. The unique radial construction shape (PFR) offers a superior solution.

The product provides high stock removal rates with significant savings in labor costs, precise and optimal grinding out of fillet welds, strong construction, better control, and outstanding service life.

POLIFAN®-CURVE Range:
- CO-CURVE and ZIRKON-CURVE for use on steel or stainless steel. CURVE-ALU for aluminum.
- Sizes include 4-1/2", 5", 6" and 7" diameters
- 7/8” A.H. or 5/8-11 hub

CC-GRIND®-SOLID Grinding Discs

This product is designed for maximum removal in controlled rough grinding applications. The integrated fiberglass backer and high-performance coated abrasive allows for flat grinding and large surface contact areas, as well as reducing noise and vibration by 50%, and dust by 80% compared to other discs.

CC-GRIND®-SOLID Range:
- CC-GRIND®-SOLID for steel and INOX
- Sizes include 4", 4-1/2", 5", 6" and 7" diameters
- 7/8” A.H. or 5/8-11 hub
- Available patented cooling and mounting system

SG-PLUS-INOX Thin Cut-Off Wheels

PFERD’s top performing cut-off wheels for stainless steel provide unparalleled cutting performance and service life. They are engineered for maximum productivity in high volume cutting applications. The range also features X-SLIM wheels that are only .030” (0.8 mm) in thickness!

SG-PLUS-INOX Thin Cut-Off Range:
- Sizes include 4", 4-1/2", 5", 6" and 7" diameters
- Available in .030", .040” and .045” thickness
- Comes in both flat (type 1) and depressed (type 27) centers
Gloves for Fabrication

The Brands you know. The Supplier you trust. Now with a whole new lineup of protective gloves.

All Protective Industrial Products can be packaged as a vendible.

6010 SIZES: S - XL
- Premium cowhide MIG glove
- Premium top grain cowhide
- White / Tan
- Wing thumb
- Kevlar® thread
- 4” cuff

9051 SIZES: M - XL
- Premium cowhide 14”
- Premium split cowhide
- Blue / Gray
- Double reinforced wing thumb
- Foam and cotton lining
- Kevlar® thread

6100 SIZES: S - 2XL
- Flame resistant, silicone coated TIG welder
- Arc flash HRC 1: ATPV 6.9 cal/cm²
- Heat and FR knit shell is form fitting and comfortable
- Dotted silicone palm for unbelievable tactility
- ANSI A3 cut protection
- EN388: 3542, EN407: 313X3X
- Lasts 4x longer than TIG leather gloves

710HGU SIZES: 2XS - 3XL
- HPPE Gray PU palm
- PU palm for grip and abrasion
- Superior dexterity and tactile sensitivity
- ANSI A4 cut protection

52N103 SIZES: 6 - 11
- Green 13” flock lined nitrile
- Diamond-embossed grip
- 13” length
- 15 mil
- 52N104: 18 mil
- Pair packed

2920 SIZES: S - 2XL
- Nitrile powder free 5 mil
- Powder free
- Industrial grade
- 100 per box, Black in color
- 21 CFR compliant for food contact

2518KT 18” Kevlar Sleeve
- Kevlar® sleeve with thumb hole
- ANSI A3 cut protection
Precision Twist Drill has delivered quality cutting tools since 1952 while Union Butterfield taps have roots dating back to 1895. Our diverse range of drills and taps have been used in shops just like yours for generations, standing the test of time with quality and reliability.

### S&D Drills
Drill holes up to 2” using your hand drill. Features include:
- 6” Length
- 1/2” or 3/4” Reduced shanks
- HSS or Cobalt
- 33/64” - 2” diameters

### 1500 Series Taps
The most versatile taps for hand use of machine tapping in a wide variety of materials. Available in 3 chamfer lengths - taper, plug and bottoming.

### PRECISIONLIGHT MRO Series
Our most economical series of general purpose and heavy duty jobber length drills, heavy duty screw machine and mechanics length drills and reduced shank and Silver and Deming drills.

Sets also available
WELD CLEANING

ZIP WHEEL™
Premium Cut-Off Wheel
Steel & Stainless
- Lowest cost-per-cut in the industry
- Significantly more cuts than the competition*
- Patented ribbed design for faster cuts
- High quality reinforcement for added safety

*According to comparative test measurements performed in a lab environment.

ZIP ALU™
Premium Cut-Off Wheel
Aluminum and Other
Non-Ferrous Alloys
- Fast and free cutting on aluminum without clogging
- Patented ribbed design for faster cuts

ZIP™
Performance Cutting
and Grinding Straight
Shaft and Die Grinders
Steel & Stainless
- Fast, cool and free cutting, allowing the operator to work with minimal pressure for best control
- Superior life and cutting speed compared to competitive wheels
- 24 grit wheels for faster cutting speeds and 60 grit wheels for longer life

SURFOX™
Weld Cleaning • Stainless & Aluminum
- SAFER SURFOX cleaning electrolytes are NSF registered and authorized for use in food plants
- FASTER Uniform cleaning at a rate of 3 to 5 feet per minute
- EASY Guaranteed passivation in 24 to 48 hours!
## FLAP DISCS

### ENDURO-FLEX TURBO™
Aggressive Flap Disc
Steel & Stainless

- Exclusive flap configuration and Cyclone™ Technology for ultra fast metal removal
- Turbofan™ Cooling keeps the workpiece cooler for longer disc life
- Cuts like a 36 grit but leaves a 60 grit, paint-ready, finish

### ENDURO-FLEX™
Premium Flap Disc
Steel & Stainless

- Longest lasting flap disc on the market
- Remove welds and finish surfaces in one step
- Highest overall material removal
- Trimmable backing extends disc life
- Quiet, vibration-free grinding

### FLEXSTEEL™
High Performance Flap Disc
Steel

- Provides a high removal rate and decent life on steel
- Trimmable backing extends disc life
- The more economical choice when blending sharp corners, deburring or blending in fillet welds

### ENDURO-FLEX STAINLESS™
Will Not Contaminate SST
Stainless & Aluminum

- Superior performance on all heat sensitive metals
- Will not load or glaze
- The fastest removal rate and best overall life on non-ferrous alloys

## ANTI-SPATTER

### E-WELD 3™
HIGH TEMPERATURE ANTI-SPATTER SOLUTION

- VOC-free, solvent-free, silicone-free and biodegradable
- Cleans and degreases weld area
- Allows multi pass welding
- Does not interfere with paint adhesion
Sling Inspections

OSHA regulations require that all chain slings receive a thorough inspection at least once per year by a competent person.

Alro Industrial Supply will bring factory trained Lift-All employees to your site to perform sling inspections on all your slings at no cost to you.

A typewritten sling survey report will be submitted to you showing each slings’ location, serial number (if one is available), size, type, reach and condition - along with any recommendations we may have for improving the sling’s life and lifting safety.

Sling inspections not only help ensure safe lifting equipment but also increase employee awareness of sling safety and create a safer workplace for all. Call Alro Industrial Supply to arrange for your sling inspection today!

Safety Seminars

Lift-All Company offers a Safety in Lifting seminar free of charge. Alro Industrial Supply will bring a Lift-All representative to your location and present sling information that is appropriate to your employees.

In addition to the basic information covered, the seminar also provides a chance for your employees to ask questions concerning the use of slings in their job, such as, ‘are they using the best sling for their application’, or, ‘how can they make the slings last longer’?

This seminar offers you the opportunity to improve your employee’s knowledge of slings and stimulate their awareness of sling lifting and sling safety.

Call Alro Industrial Supply to arrange for your Safety in Lifting seminar today!
High Efficiency Bevelling and Deburring Systems

**B10 ELECTRA**
Portable hand held Bevelling machine

- 30°, 37.5°, 45°, 50°, 60°
- R .08 in, R .12 in, R .16 in
- Max 0.4 in

**B2 AIR**
Portable hand held Deburring machine

- 45°, R 0.06 in
- Max 0.08 in

**B22 ZERO**
Portable hand held Bevelling machine

**UZ12 ULTRALIGHT**
Portable double-sided Bevelling machine with auto-feed

- 22°, 30°, 37.5°, 45°, 50°
- Max 0.47 in

**UZ50 TRIUMPH**
Double-sided Bevelling machine with auto-feed

- 15° - 60°
- Max 2.44 in

**High Performance Motor and Gearbox**
Hyundai Welding Products offers welding filler material for many types of welding. Contact your Alro sales consultant for demonstrations.

- Pressure Vessel Tanks
- Production Welding
- Maintenance Welding
- Boiler Tanks
- Fabrication

Established 1964
alroindustrial.com

Lubricants / Oils

Hydraulic Oil
- Renolin B 10 VG 32
- Renolin B 15 VG 46
- Renolin B 20 VG 68

Way Lube
- Renolin WL 68 NE
- Renolin WL 220 NE

Spindle Oil
- Renolin ZAF B 5 HT Plus
- Renolin ZAF B 10 HT Plus

Gear Lube
- Renolin CLP 68
- Renolin CLP 220

Petroleum Solvent
- Renoclean SV 6X
**LU208 Cutting Oil**
Excellent lubricant specifically formulated for all ferrous and nonferrous metals. Clings to surfaces. Reduces friction and wear.

**Applications:** Cutting metal tubing and pipes.

---

**LU711 The Protector All Purpose Lubricant**
Outstanding 3-in-1 product that penetrates, lubricates and inhibits corrosion. Unmatched in its versatility and quality.

**Applications:** Lubricating locks and hinges.

---

**WL™541 & WL™542 Welder's Dry & Wet Spatter Protectants**
Reduces spatter build-up on M.I.G. nozzles. Also prevents spatter adhesion. Reduces clean-up time, easily removed by brushing or wiping.

**Applications:** All types of maintenance and production welding.

---

**WL™739 Silver Galvanizing Compound**
A sacrificial coating that inhibits rust and corrosion to ferrous metals. An excellent fast-drying touchup for repair of galvanized substrates. This metallic coating has the bright finish of hot-dip galvanized coating.

**Applications:** Refineries, wrought iron, welds, power plants, fences, farm equipment, structural steel, damaged galvanized surfaces and more.

---

**WL™740 Zinc Rich Cold Galvanizing Compound**
A high-performance primer containing 97% pure zinc dust pigment blended with epoxy resin. The self-sacrificing zinc protects the base metal, preserving strength and prevents rust creepage when the area is penetrated or scratched. This compound fuses zinc to the metal substrate and delivers protection against corrosion equal to or better than hot-dipped galvanizing.

**Applications:** Automotive, marine, nuclear facilities, power plants and refineries, industrial tanks, piping, bridges, farm equipment, structural steel and more.

---

**WL™744 & WL™745 Welding Defect Detector**
Detects and locates cracks and defects in metal in two easy steps. Take corrective action if needed. Detects and clearly marks fine faults in welds, casts and other non-porous materials.

**Applications:** Turbine blades, molds, structural beams, pipes and more.

---

**EL™848 Flash Free® Electrical Degreaser**
Non-flammable, fast-evaporating cleaner that leaves no residue. Penetrates instantly to remove dirt, oil, grease and wax.

**Applications:** Aluminum cleaning sheet and strip steel prior to galvanizing electric motors, generator, air tools, brakes, clutches and more.

---

**Tough Coat Acrylic Alkyd Enamel**
Specially formulated for a variety of applications. Features EZ TOUCH® FANSPRAY® Nozzle for horizontal or vertical spray pattern and less finger fatigue. Tough, protective coating resists chipping and flaking. Dry-to-touch in 15 minutes.

**Applications:** Hard to reach areas, touchup.
Hoist & Crane Systems

Hyster

Ironworkers and Hydraulic Tools

Established 1964

alroindustrial.com
Optimized to Cut Large Beams and Heavy Walled Tubes

**LONG BLADE LIFE WHEN CUTTING LARGE STRUCTURAL BEAMS**
- Patent pending and designed to resist stripping teeth
- POWER BLAST TECHNOLOGY® strengthens the blade to minimize breaks

**STRAIGHT CUTS THROUGH WIDE CROSS SECTIONS**
- Designed to improve chip flow and reduce blade deflection for cutting efficiency
- Tooth geometry designed to minimize edge chipping and crooked cuts

**WIDE KERF LIMITS PINCHING IN LARGER BEAMS**
- Alternating set teeth widen the cutting channel to limit blade pinching

---

**Lenox RX®**
Engineered to Cut Structurals, Tubing and Bundles

**LONG BLADE LIFE AND EXTREME DURABILITY**
- Patented tooth profiles resist tooth strippage, even at higher feed rates

**QUIET CUTTING, REDUCED VIBRATION**
- Optimized tooth pitch/set sequence
LENOS METALMAX™ is a new alternative to abrasive cut-off wheels. Its breakthrough diamond technology delivers extreme durability to help you maximize work efficiencies and reduce costs in your metal cutting jobs.

LENOS METALMAX delivers 1,000 or more cuts with no need for wheel changes. That is 30 times longer life than thin bonded cut-off wheels.

* Average performance for 4.5” wheel in 1” carbon steel square tube vs thin bonded abrasive cut-off wheels.

**DIAMETER RETENTION**
Because LENOS METALMAX is made with diamonds, it doesn’t get smaller. The cutting depth stays the same throughout its life, meaning better control, reach and precision.

**SAFETY**
LENOS METALMAX is made with a solid steel body that is stronger to greatly reduce the risk of breakage.

**LESS DUST RESIDUE**
With LENOS METALMAX there is less odor and dust residue as the wheel does not wear down like bonded abrasives. Visible sparks originate only from the material being cut.
Comprehensive Line of Filler Metals
- MIG Wire - Solid Wire (GMAW)
- TIG Wire - Cut Lengths (GTAW)
- Flux Cored - Metal Cored (FCAW)
- Coated Stick Electrodes (SMAW)
- Tungsten Welding Electrodes
- Alloys that perform in attractive packaging
- Actual certs available on all production alloys

Full Line of Coplay Norstar Tools
- Made with heat-treated steel
- Black nickel-chrome finish for spatter resistance
- Lifetime warranty

B&B Pipe Equipment Available!
Masterweld M10, 15, 25 MIG Guns

Masterweld MI Style MIG Guns are a great option for anyone looking for an OEM quality gun at a more reasonable price. Compatible with Industry standard consumables. Quality made in Coplay, PA USA for over 10 years!

Masterweld TW2, TW4 Style MIG Guns

- Rugged cable support with spring
- Improved rear cable support with terminal ends for interchangeable trigger leads
- Optional power pins to configure different machines
- Uses standard TW Style consumables
- Available in any length

MIG Gun Repair Program
- 24 hour turn around
- Warranty all repairs
- Combine for FREE FREIGHT
- Parts + Labor
- TIG torch repair also available
- Customize new guns with oddball machine connections
### MIG WELDING PARTS

**MILLER® FASTIP™**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Style</th>
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</thead>
<tbody>
<tr>
<td>206187</td>
<td>Contact Tip .035&quot;</td>
<td>Miller® Fastip™</td>
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<tr>
<td>206188</td>
<td>Contact Tip .045&quot;</td>
<td>Miller® Fastip™</td>
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<tr>
<td>206189</td>
<td>Contact Tip .052&quot;</td>
<td>Miller® Fastip™</td>
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<td>206190</td>
<td>Contact Tip 1/16&quot;</td>
<td>Miller® Fastip™</td>
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<tr>
<td>206195</td>
<td>Diffuser</td>
<td>Miller® Fastip™</td>
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**TWECO® TRADITIONAL**

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<tr>
<th>Part #</th>
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<tbody>
<tr>
<td>11 Series</td>
<td>Contact Tip .023&quot;-.045&quot;</td>
<td>Tweco®</td>
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<tr>
<td>14 Series</td>
<td>Contact Tip .030&quot;-.1/16&quot;</td>
<td>Tweco®</td>
</tr>
<tr>
<td>14H Series</td>
<td>HD Tip .030&quot;-.5/64&quot;</td>
<td>Tweco®</td>
</tr>
<tr>
<td>14T Series</td>
<td>Tapered, 0.23&quot;-.1/16&quot;</td>
<td>Tweco®</td>
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<tr>
<td>50 Series</td>
<td>Diffuser #1, 2, 3, 4</td>
<td>Tweco®</td>
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<tr>
<td>21-50</td>
<td>Nozzle 1/2&quot;</td>
<td>Tweco®</td>
</tr>
<tr>
<td>HD24-62</td>
<td>Nozzle 5/8&quot; HD SP</td>
<td>Tweco®</td>
</tr>
<tr>
<td>21-62</td>
<td>Nozzle 5/8&quot;</td>
<td>Tweco®</td>
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<tr>
<td>22-50</td>
<td>Nozzle Adj. 1/2&quot;</td>
<td>Tweco®</td>
</tr>
<tr>
<td>21T-37</td>
<td>Nozzle Tapered 3/8&quot;</td>
<td>Tweco®</td>
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</tbody>
</table>

### OXY-FUEL CUTTING TIPS

All cutting tips are made in American by American Torch Tip at our Bradenton, FL facilities. Here we control the manufacturing process from raw material to inspection and shipping.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>Style</th>
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<tbody>
<tr>
<td>1-101-X*</td>
<td>Standard Cutting Tip, Sizes Between 0-6</td>
<td>Victor®</td>
</tr>
<tr>
<td>GPN-X*</td>
<td>2 Piece Cutting Tip, Sizes Between 0-6</td>
<td>Victor®</td>
</tr>
<tr>
<td>6290NX-X*</td>
<td>2 Piece Cutting Tip, Sizes Between 0-6</td>
<td>Harris®</td>
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</tbody>
</table>

*X indicates tip size

### TWECO® TRADITION GUN BUILDER

**AT310 - 35**

<table>
<thead>
<tr>
<th>PLUGS</th>
<th>AMPS</th>
<th>LENGTH</th>
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</thead>
<tbody>
<tr>
<td>AT = Tweco</td>
<td>2 = 200 AMP</td>
<td>10 = 10 ft</td>
</tr>
<tr>
<td>ALN = Lincoln</td>
<td>3 = 300 AMP</td>
<td>12 = 12 ft</td>
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<tr>
<td>AX = Euro</td>
<td>4 = 400 AMP</td>
<td>15 = 15 ft</td>
</tr>
<tr>
<td>AM = Miller</td>
<td>5 = 500 AMP</td>
<td>20 = 20 ft</td>
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<table>
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<tr>
<th>WIRE SIZE</th>
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<tbody>
<tr>
<td>23 - .023</td>
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<td>30 - .030</td>
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<tr>
<td>35 - .035</td>
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<tr>
<td>40 - .040</td>
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Torch: AT310-35
### TIG COLLETS & NOZZLES

<table>
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<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>10N24</td>
<td>Collet 3/32&quot;</td>
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<tr>
<td>10N25</td>
<td>Collet 1/8&quot;</td>
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<tr>
<td>10N28</td>
<td>Collet Body 1/8&quot;</td>
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<tr>
<td>10N32</td>
<td>Collet Body 3/32&quot;</td>
</tr>
<tr>
<td>11N58</td>
<td>Collet Body 1/4&quot;</td>
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<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>10N48</td>
<td>Nozzle Alumina #6</td>
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<tr>
<td>54N14</td>
<td>GL Nozzle Alumina #8</td>
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<tr>
<td>54N15</td>
<td>GL Nozzle Alumina #7</td>
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<tr>
<td>54N16</td>
<td>GL Nozzle Alumina #6</td>
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<tr>
<td>86Z03</td>
<td>Nozzle HW12 #10</td>
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### POWERMAX® CONSUMABLES

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<tr>
<th>Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>220955</td>
<td>Shield/Deflector</td>
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<tr>
<td>220931ATTC</td>
<td>Shield/Deflector</td>
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<td>220818ATTC</td>
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<td>220817ATTC</td>
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<td>220854ATTC</td>
<td>Retaining Cap</td>
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<td>220930ATTC</td>
<td>Nozzle</td>
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<td>220816ATTC</td>
<td>Nozzle</td>
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<td>220819ATTC</td>
<td>Nozzle</td>
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<tr>
<td>220941ATTC</td>
<td>Nozzle</td>
</tr>
<tr>
<td>220857ATTC</td>
<td>Swirl Ring</td>
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</tbody>
</table>

American Manufacturer of Welding & Cutting Equipment Since 1940

**Our Guarantee To You**

- Delivers the Greatest Possible Performance
- Always Do The Right Thing
- Only Ships Products That Meet Our Standards
- Ships In A Timely Manner

Established 1964

alroindustrial.com
**Magnetic Welding Squares**

**Features**
- Ideal for welders that need fast set-up and accurate holding of steel at multiple angles
- Hold work pieces at multiple angles
- Finger hole(s) for safer and easier use
- 5/16” Mounting holes for fixturing
- Plated steel poles reduce rust
- WS420, WS810 & WS820 models feature “Breakaway Handle”*
- Weld spatter and fuzz iron resistant covers on certain models**
- Maximum holding value from 40 lbs to 325 lbs

**Magnetic Welding 3-Axis Holding**
- Permanent Welding Square holds 3 pieces of metal at once
- Ideal for holding support brackets, gussets, etc.
- Third side has 42 lb max hold
- WS410AX3 has weld splatter, fuzz iron resistant cover

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**Mag90™ ON/OFF Magnetic Squares**

On/Off Switchable Permanent Rare Earth Magnetic Squares are extremely powerful and eliminate the need for tedious clamping. The Mag90™ squares offer fast work-holding on multiple sides for flat or round steel. Features pre-tapped holes on all sides for mounting and a locking On/Off handle for safety. Available in 3 strengths: 150 lbs, 400 lbs and 1000 lbs.

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**ON/OFF Magnetic Welding Angles**

On/Off Switchable Permanent Rare Earth Magnetic Welding Angles welders set up, weld and quickly move on to the next project. Simply place on work surface, turn on and start welding. On/Off magnets easily allows debris to fall away. Can be used on flat or round steel or cast iron. Non-marring hold. Stainless steel construction.

**Features**
- Pivoting Magnetic Welding Angles pivot to angles ranging from 22° to 270°, with locking handle and detents. Hold on 3 sides.
- 90° Magnetic Welding Angles have slots allowing for quick-slide adjustment or addition of more magnetic bases. Reversible for inside or outside hold.
- WSF275X3 ON/OFF holds 3 sides.
Welding Squares, Grounds & Tools

ON/OFF Switchable Magnetic Welding Squares

Features
- 5 common angles: 45, 75, 90, 105 & 135 degrees
- WSM0150RG is a dual purpose tool, utilizing multi-angle weld square and a 300 AMP welding ground all in one. Fits 1/2 inch bolt.
- Stays clean and chips fall off easily when magnet is turned off
- Heat resistant up to 180°F (82°C)

ON/OFF Magnetic Weld Grounds

On/Off Switchable Permanent Rare Earth Magnetic Grounds let welders set up, weld and quickly move on to the next project. Makes welding quicker and easier than ever before. Will work on flat or pipe. Bolt: 1/2-13 x 1-1/4" long.

ON/OFF MagPry™

Strong, easy to use, On/Off switchable magnetic pry bar for material leveling and alignment also known as mismatch or high / low allowing for rapid and easy plate matching for seamless welds on flat and pipe. Perfect for all plate and seam work, under foot, on vertical surfaces, even overhead. The MagPry™ eliminates need for welded tabs. Up to 100 times faster than dogs and wedges saving you time and money, pays for itself in days. Non-marring.

Magnetic Welding Wind Block

Features
- Powerful permanent magnets
- Prevents loss of gas coverage
- Stainless steel with flat black finish
- Reduces arc flash
- Spring load holds tight to surface, horizontally, vertically or inverted
- Available in 24” or 36” lengths

Welding Ground Clamp

Features
- Dual-purpose workpiece clamp and welding ground
- No-twist clamp secures workpiece without twisting or “walk-off-center”
- Copper plated spindle and clamp jaws prevent weld splatter from sticking
- Clamp jaws are beveled to hold both flat or round surfaces
- Deep throat jaw allows for deep clamping of material
- 400 amp capacity

Weld Torch Holders

Features
- Securely and neatly hold welding torch in place on the top, side or underside of work bench or nearby steel structure
- Stainless steel holder, plated steel magnetic base
- Magnetic base allows for quick and easy repositioning

Magnetic Welding Grounds

Features
- Powerful magnet attaches securely to steel work surfaces
- Spring loaded 1/2” dia. stud assures constant electrical ground contact
- Release handle
- Available in 250 or 800 amp
Valve Action® Paint Marker
For general marking
- Fast-drying, permanent paint for immediate handling reduces work downtime
- Dura-Nib medium bullet tip resists wear to provide long marking life
- Made in the U.S.A.

PRO-WASH®
Removable liquid paint markers
- Fast-drying paint easily removes leaving surfaces free of mark ghosting or paint residue
- PRO-WASH W marks can be removed simply and quickly with water
- PRO-WASH D marks can be removed with detergent solutions that have a pH level of 10 or above
- Made in the U.S.A.

PRO-LINE® HP
For oily surface marking
- Unique paint formula resists spreading and dries quickly through oily surfaces to leave precise, permanent marks
- Xylene-free ink eliminates health concerns
- Made in the U.S.A.

DURA-INK® 15
Fine bullet tip
- Industrial-strength ink is smear- and water-resistant for longer lasting marks
- Extra-tough tip will not spread or mush
- Durable plastic barrel reduces breakage on the jobsite or in-plant
- Xylene-free ink eliminates health concerns
- Mark size: 1.5 mm

DURA-INK® 25
Metal barrel, medium chisel tip
- The versatile chisel tip can make both fine or broad marks for flexible marking needs
- Smear- and water-resistant industrial ink allows for long-lasting marks
- Xylene-free ink eliminates health concerns
- Mark size: 3 mm or 6 mm

WAREHOUSE / OFFICE

DURA-INK® 15
Fine bullet tip
<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>96022</td>
<td>Red*</td>
</tr>
<tr>
<td>96023</td>
<td>Black</td>
</tr>
<tr>
<td>96025</td>
<td>Blue</td>
</tr>
<tr>
<td>96026</td>
<td>Green</td>
</tr>
<tr>
<td>96027</td>
<td>Silver</td>
</tr>
</tbody>
</table>

DURA-INK® 25
Metal barrel, medium chisel tip
<table>
<thead>
<tr>
<th>Part #</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>96222</td>
<td>Red*</td>
</tr>
<tr>
<td>96223</td>
<td>Black</td>
</tr>
</tbody>
</table>

PRO-LINE® HP
For oily surface marking

Part # | Color
-------|-------
96960  | White*
96961  | Yellow*
96962  | Red*
96963  | Black*
96964  | Orange
96965  | Blue*
96966  | Green
96967  | Silver*
96970  | Lt Green
96971  | Lt Blue*
96972  | Gold
96973  | Pink*
96974  | Purple
96975  | Brown*

* Indicates that this marker is low in chlorides, halogens and sulfurs for low corrosion requirements
Quik Stik®
Fast drying solid paint in twist-up holder
- Fast-drying, vibrant paint marks dry in 5 to 7 minutes
- Marks on virtually any surface: wet, smooth, rough or hot
- Weather- and UV-resistant paint for long-lasting marks
- Solid paint marker advances and retracts by turning twist-up knob
- Made in U.S.A.

PRO-LINE® XT
For rough surfaces and extreme durability
- Engineered for continuous and highly-visible marking on rough, rusty and dirty surfaces
- Enamel paint for extreme durability and enhanced wear-, weather- and chemical-resistance
- Made in U.S.A.

Slic-tite® Paste with PTFE
Heavy-duty pipe thread compound
- Contains PTFE for greater sealing power
- Pressures: 3,000 psi (204 BAR) for gas; 10,000 psi (680 BAR) for liquid
- Sealing temperature: -50°F to 500°F (-46°C to 260°C)
- Can be used on a variety of metals and plastic, eliminating the need for any other thread sealant
- Safe, non-toxic, non-drying
- Made in U.S.A.

MAINTENANCE

Estik™
Electronic Surface Thermometer
- Ergonomic hand grip with one button operation
- Instant measurement read-out
- Three-digit bright LED display
- Durable heat-resistant housing with rubberized grip
- Selectable °C or °F readout
- Made in U.S.A.

Temperature Indicating Labels
Irreversible temperature indication
- Quickly and permanently changes color at specific temperature
- Excellent accuracy to +/- 2% of the Fahrenheit rating
- Permanent record for inspection and quality control
- Calibration-free
- Oil-, water- and steam-resistant
- Made in U.S.A.

Slic-tite® PTFE Thread Tape
Premium grade, high density thread seal tape
- Pressure to 10,000 PSI (690 BAR)
- Sealing temperature: -450°F to 500°F (-268°C to 260°C)
- 3 mils thick and made with PTFE for greater sealing power
- Non-toxic

* Indicates that this marker is low in chlorides, halogens and sulfurs for low corrosion requirements
Alro Industrial Supply

Products

Cutting Tools  Abrasives  Brushes  Coolant  Die Supplies  Material Handling

Maintenance  MRO Supplies  Gauging  Workholding  Hand/Power Tools  Welding Supplies

Services

Tool Testing  Band Saw Maintenance  Band Saw Blade Welding  Cost Savings Documentation  Tool Repair  In-Plant Training

Technical Factory Support  Cutting Tool Resharpening  Coolant Management  Sling Inspection & Certification  Gauge Calibration  Carbide Recycling

Tool Management

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Ph: (616) 656-2800

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Jackson, MI  49204
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