SHUR-KUT® Quick Change Disc Kits

Each kit contains 20 of the most popular Shur-Kut® quick-change discs.

CONTENTS:
• (5) 2” discs each in A/O 36, 60, 80 & 120 grit.
• (1) Medium density holder with 1/4” shank.

Type R Kit
Part No. 1-613-37500
Reg. Net Price $24.24

Type S Kit
Part No. 1-613-34309
Reg. Net Price $24.24

Punch & Die Set

FEATURES:
• Traditional style punch & die set.
• Economical way to make washers, shims, and gaskets.
• Clear plastic top plate marked with accurate center lines.
• Cut stainless and blue tempered shim up to .010” thick.
• Base and punches are made of hardened and ground A-2 tool steel.
• Cut steel, brass, copper, aluminum, rubber, and plastic up to .025” thick.

Part No. 1-958-315
Reg. Net Price $129.50

4" Self-Centering Vise

FEATURES:
• Clamping rails are an alternative mounting option when utilizing swing clamps to hold your workholding products to the machine table/pallet.
• Jaws adjust from either end of vise to automatically position work piece in center of vise.
• Utilizes 2 dowel pins: one for centering and one for locating.
• Repeatability: 0.001”
• Centering Tolerance: ±0.0005”

SPECIFICATIONS:
Jaw Width / Height ........................................ 3.94” / 1.01”
Max. Jaw Opening ........................................... 2.5”/5.62”*
Vise Length ..................................................... 6.49”
Bed Height .................................................... 1.96”
Max. Clamping Force ........................................ 4,000 lbs.
Weight ........................................................ 14 lbs.

* Jaws may be reversed for larger 5.62” opening.

Dial Indicators with NIST Certificate of Calibration

FEATURES:
• Solid brass housing.
• AGD 2 Series.
• Supplied with lug back.
• Carbide contact points.
• Meets ANSI specs for accuracy.

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Part No. 1-903-RWP502
Reg. Net Price $1,880.18

$1,690.00

SALE!

FREE 41 LED FLASHLIGHT

With Any Online Order $149.00 or More!

MaxCraft

$17.70 Value!

Part No. 1-909-60195

14-1/2" Capacity Gravity Feed Vertical Saw

FEATURES:
• 1 HP Motor, 1 Phase.
• Accepts blades from 1/4”-3/4” wide.
• Accurate gravity feed with hydraulic speed control and depth stop.
• Speeds (4): 70-525 SFPM
• Rugged simple construction for easy maintenance and long service life.
• Shipping Weight: 700 lbs.

Model EF
Part No. 6-398-005
Reg. Net Price $5,195.00

$119.49/mo.
FINANCE AS LOW AS
CALL FOR DETAILS

WEB: KBCTools.com
PHONE: 1-800-521-1740
FAX: 1-800-322-4292

FAX ORDERS 24/7
Check out the big red lockers outside our KBC Michigan location. Just order during regular business hours and pick up at your local branch. Or you can pick up at your 24/7 All Tools... All The Time. 24/7 PICK-UP LOCKERS. Check out the big red lockers outside our KBC Michigan location. Just order during regular business hours and pick up your order anytime! Your tools... your time.

GUARANTEED: If you are not 100% satisfied for any reason just return the unused item(s) in its original packaging within 30 days, with your receipt for a replacement, exchange, full credit or refund.

100% SATISFACTION GUARANTEED: If errors do occur, so mistakes are subject to correction. Sorry for any inconvenience.

DAMAGED, LOST, OR SHORT SHIPMENTS: It doesn't happen often, but if it does, call your local carrier office immediately, and advise KBC so that we can reship and place a claim. Please keep damaged goods and containers until the claim is closed.

TRUCK SHIPMENTS: KBC is not responsible for merchandise damaged or lost by motor freight carriers. If the shipment is damaged or short or more packages, please have it noted by the truck driver on receipt and freight bill. If you accept a short or damaged shipment from the truck driver without proper notation by the driver, you do so at your own risk.

PRICING: KBC Tools & Machinery traditionally holds prices for the duration of its sales flyers. As industrial market conditions continue to change across North America (tariffs, raw material, and price increases), KBC reserves the right to change prices based upon inventory conditions and supplier price increases without notice. Buy NOW! KBC Tools & Machinery strives to be your choice for all your tooling needs.

MINIMUM ORDER: Only $25.00, to cover processing costs.

OOPS!: Errors do occur, so mistakes are subject to correction. Sorry for any inconvenience.

GSA Contract #BPA-GS-06F-4KBCT

LOC'TITE® QuickTite® Instant Adhesive

FEATURES:
• New self-piercing, no clog tip.
• Virtually indestructible construction.
• Continuous flow or drop control.
• Improved dispensing control and accuracy.
• Spill proof design keeps hands clean.
• Locking cap collar prevents leaks and hardening.

SALE! 

$ 6.03

NES Thread Cleaner & Restorer

FEATURES:
• Blades automatically adapt to any thread pitch.
• The blades have axial play and will automatically adjust themselves into the thread grooves.
• Can be used on right hand or left hand threads.
• Applicable to all forms of standard and metric threads.

FOR 60° THREADS

NES SET 1 of Each: NES 1, NES 2, NES 1R, NES 2R
Part No. 1-842-605 Reg. Net Price $197.95
SALE! $ 168.26

SALE! 

$ 9.95

$ 10.95 FLAT RATE SHIPPING

On All Online Orders up to 50 lbs.

FREE MAXCRAFT 41 LED FLASHLIGHT

With Any Online Order *149th or More!

$17.70 Value!
Part No. 1-909-60195

Valid 9/1/19 - 10/31/19
Registered Customers Only. One Time Use.

SALE! 

$ 8.48

NEW!

1-800-521-1740 Fax: 1-800-322-4292 Web: KBCTools.com
### WorkForce® Rubber Air Hose Assemblies

WorkForce® rubber hose assemblies are designed for a wide range of industrial, construction and agricultural applications.

**FEATURES:**
- **VRMA Class C medium oil resistance inner tube.**
- Reinforced synthetic rubber tube and cover with a synthetic yarn weave for extra strength and flexibility.
- Bend restrictors reduce wear, making hose last longer.

**Specifications:**
- **25’ Hose (HRE3825RD2)**
  - Part No.: 1-914L-001
  - Reg. Net Price: $17.95

- **50’ Hose (HRE3850RD2)**
  - Part No.: 1-914L-002
  - Reg. Net Price: $32.95

---

### PALM/THUMB ACTUATED Safety Air Gun

**GUARDAIR** Lazer® Jet Safety Air Gun

**Palm/Thumb Actuated Gun**

Designed for pinpoint accuracy and superior ergonomics. You’ll feel the difference. The Guardair Lazer™ Series Safety Air Gun sets a standard for power, convenience, and comfort.

**FEATURES:**
- All metal construction, unique shape, and soft rubber overmolded trigger conforms to any hand.
- Ergonomic grip reduces hand fatigue.
- Ready for use with any 1/4” NPT inlet connector.
- 1/8” NPSM outlet for optional safety nozzles.
- Meets OSHA 1910.242(b) Regarding Output Pressure.

**Performance:**
- Model LZR600
- Part No.: 1-816G-LZR600
- Reg. Net Price: $17.46
- $14.84

---

### GUARDAIR Jet Guard Safety Protective Air Cone Gun

**GUARDAIR** Jet Guard Safety Protective Air Cone Gun

The main flow of air exits through the nozzle tip and full plant air pressure is available to move and dislodge debris. In addition, a small portion of the main flow is diverted through slots around the periphery of the nozzle to form a protective air cone. Helps prevent chips and other debris from “flying back” towards the operator. Should the tip become blocked, the entire air flow is diverted through the slots. Under these conditions pressure at the nozzle tip is held to less than 30 PSI, thereby satisfying OSHA safety standards.

**FEATURES:**
- Convenient hanging hook.
- Durable cast aluminum body.
- Delivers high thrust with pinpoint accuracy.
- Knurled adjusting nut controls air volume.
- 1/4” FNPT inlet.

**Performance:**
- Model 745K
- Part No.: 1-816G-74SK
- Reg. Net Price: $26.65
- $22.85

---

### Mitutoyo ABSOLUTE Digimatic Calipers With SPC Output

**Mitutoyo Series 500**

Mitutoyo’s Digimatic Caliper is the next generation of electronic calipers. It keeps track of its origin point once set. Whenever turned on, the large LCD screen displays the actual slider position ready to start measurement. No more repeated zero setting is necessary with the absolute encoder technology as well as no more care for overspeed errors.

**FEATURES:**
- Resolution: .0005” (.01mm).
- Large and clear LCD readout.
- The ZERO/ABS key allows the display to be Zero-Set at any slider position along the scale for incremental comparison measurements. This switch will also allow return to the absolute (ABS) coordinate and display of the true position from the origin point (usually jaws-closed position).
- Thumb roller included.

**Specifications:**
- **Range:** 0-6” (0-150mm)
- **Part No.:** -500171
- **Reg. Net Price:** $188.00
- **SALE:** $159.80

---

### Coolant Proof Digimatic Micrometers With SPC Output

**Mitutoyo Series 293**

Supplied in a fitted case.

**FEATURES:**
- Ratchet stop.
- Graduation: .00005” (.001mm)
- Auto power on/off function.
- IP65 protection level, enabling use in environments exposed to cutting oil, etc.
- Anti-corrosion treatment is required after use.
- Measurement data output function is available with a water-resistant connection.
- Certificate of inspection is included. (It is not the type used to obtain calibration certificates.)

**Specifications:**
- **Range:** 0-1” (0-25mm)
- **Part No.:** 1-808-293330
- **Reg. Net Price:** $247.00
- **SALE:** $209.95

---

### Dormer® Blue Shark Spiral Pointed Taps For Stainless Steel

**DORMER DIN ANSI** Blue Shark Spiral Pointed Taps

Super-B (TiAlN + WC/C) coating with additional edge treatment. Manufactured from a unique powder metallurgy tool steel different from any other HSS-E-PM. This provides an unbeatable combination of toughness and edge strength, allowing the taps to perform at higher cutting temperatures while offering excellent performance and longer tool life.

**FEATURES:**
- Color ring coding helps identify suitability for specific materials and enables quick and easy tool selection.
- Advanced Geometry & Chamfer - Thread geometry with optimized form generates low torque, excellent threads at both high and low speeds, and superior surface finish. Significant reduction in axial forces and torque compared to conventional taps ensuring problem-free threading of blind and through holes in the selected material.
- Standard ANSI shank and square with DIN overall length, for extra reach and compatibility with inch Standard Tap Holding.

**Specifications:**
- **Size:**
  - 10-24 NC
  - 10-32 NF
  - 1/4-20 NC
  - 1/4-28 NF
  - 5/16-18 NC
  - 5/16-24 NF
  - 3/8-16 NC
  - 3/8-24 NF
  - 7/16-14 NC
  - 7/16-20 NF

**Performance:**
- **SALE!**
  - $14.44
  - $20.32
  - $22.92
  - $29.60

---

More information and complete listing of Dormer Shark Taps @ KBCTools.com
## Cutting Tools

### 5 Pc. Solid Carbide Burr Set

1/4" Head Diameter, 1/4" Shank Diameter.

**SET INCLUDES:**
- SA-1, SC-1, SD-1, SG-1, and SM-1.

**Part No.** 1-338-001
**Reg. Net Price** $50.49

**Supplied in a fitted plastic case.**

**$42.92**

### Miniature Carbide Burr Set

1-1/2" OAL

**Part No.** 5-100-71033
**Reg. Net Price** $42.70

**$36.30**

### Solid Carbide Hi-Roc Drills

**Series 200**

**135° POINT**

**FINE GRAIN 6% COBALT C-2 GRADE**

**FEATURES:**
- Produces chips without generating excessive heat.
- Accurately sized holes are produced without annealing or softening the workpiece.
- Reamer type finishes are easily produced.
- Both a production drill and a salvage or reclaim tool.

### Solid Carbide Hi-Roc Drill Sets

**SETS INCLUDE:**
- A selection of more frequently used, fractional size drills and comes packed neatly in a plastic case.

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### Starrett Carbide Tipped Hole Saws

**Ultra-high hardness provides long life when cutting difficult and abrasive materials including wood, PVC and fiberglass.**

**FEATURES:**
- A cost effective solution for cutting nail embedded wood, wood and metal combination, reinforced concrete and fiberglass.
- Leaves high quality surface finish on entry and exit and provides a smooth cut.
- Tungsten carbide tipped teeth for outstanding cutting performance and product durability.
- Suitable for use in electric & battery operated tools.
- Cutting depth of 1-5/8" (41mm).

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### Hi-Roc Drill Sets

**Series 79**

**FEATURES:**
- Steam homogenized surface treatment (blackening) to prolong tool life and prevent galling.
- Because of the multiple flute design, chip loads are generally smaller and even at maximum speeds, chatter-free machining is possible.

**In Package Quantity:**
- Up to 1/2" 3 Per Pack

### 6-Flute Countersinks Sets

**SETS INCLUDE:**

**Included Angle**

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### For Economical, General Purpose Countersinking, Chamfering or Deburring.

**HIGH SPEED STEEL**

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**WEB: KBCTools.com**

**Call:** 1-800-521-1740
**Fax:** 1-800-322-4292

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**CUTTING TOOLS**

**Call:** 1-800-521-1740
**Fax:** 1-800-322-4292
**WEB: KBCTools.com**

---

**M.A. FORD High Performance Tools**

**Double Cut**

**Part No.** 5-100-71033
**Reg. Net Price** $42.70

**$36.30**

**Miniature Carbide Burrs**

1-1/2" OAL

**SA-43 SC-42 SD-42 SG-41 SM-45 SL-42**

1/8" Head Diameter, 1/8" Shank Diameter.

**$42.92**

**HI-TORQ**

**Burr Set**

**Miniature Carbide Burrs**

1-1/2" OAL

**SA-43 SC-42 SD-42 SG-41 SM-45 SL-42**

1/8" Head Diameter, 1/8" Shank Diameter.

**$36.30**

---

**6-Flute Chatterless Countersinks**

**Series 79**

**FEATURES:**
- Steam homogenized surface treatment (blackening) to prolong tool life and prevent galling.
- Because of the multiple flute design, chip loads are generally smaller and even at maximum speeds, chatter-free machining is possible.

---

**Call:** 1-800-521-1740
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**KBC**

**Call:** 1-800-521-1740
**Fax:** 1-800-322-4292
**WEB: KBCTools.com**
### R&N Spiral Pointed Hand Taps

**HIGH SPEED STEEL**

**PLUG STYLE**

**GROUND THREAD**

**RIGHT HAND**

**FEATURES:**
- Excellent production tapping of through holes.
- Commonly referred to as "gun" taps.

### FEATURES:
- Flute design forces the evacuation of chips ahead of the cutting action.

### TAPPING APPLICATIONS:
- Production tapping of through holes.
- All metal alloys in a non-hardened condition.

### TiCN Carbide Applications:
- All metal alloys in a non-hardened condition.
- Wear-resistant coatings on high-speed steel and solid carbide tools.

### TiN Carbide Applications:
- Wear-resistant coatings on high-speed steel and solid carbide tools.

### TiCN HSS Applications:
- Improved wear resistance and toughness.

### TiCN HSSCo Applications:
- Additional hardness and abrasion resistance.

---

### 45° Helix Single End TiCN Solid Carbide Center Cutting End Mills

**FOR ALUMINUM**

**FEATURES:**
- Full form ground flute shape.
- Excellent primary relief and cylindrical land.
- Extra fine grain carbide.
- Ultra high transverse rupture strength.

---

### Cutting Tools

**MACHINE**

**SCREW SIZES**

**2-FLUTE**

**LIST NO. 106C**

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---

### Metric Spiral Pointed Hand Taps

**FEATURES:**
- Commonly referred to as "gunt" taps.
- Flute design forces the evacuation of chips ahead of the cutting action.

---

### Standard Length TiN Coated Solid Carbide Single End Mills

**Designed for general milling operations. Spiral multi-flute design permits a faster and smoother cutting action.**

### Microshield™ TiN - Titanium Nitride:
- A general purpose coating for Solid Carbide, HSS and HSSCo end mills that provides effective protection against wear, abrasion and edge buildup. Primary applications are milling steels in a non-hardened condition.

---

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CUTTING TOOLS

25.03
90
118
SALE!

23.80
5.90
°
GH SPEED STEEL
26.16
NOW!
6
1
194.22
45.75

Outside Chamfering Mills

FEATURES:
• Chatterless design.
• Designed to chamfer a variety of diameters on tubing, pipe, and round stock.
• Use on drill presses, screw machines, lathes or other chucking machines.

Silver & Deming Mills

1/2" SHANK

118° POINT

6" OVERALL LENGTH

HIGH SPEED STEEL

Expands the size range capacity of a 1/2" portable drill chuck.
Ideal for drilling in low & medium tensile strength materials.

Cobalt Jobbers Drills

For drilling tough, high tensile strength materials.
Heat resistant 8% cobalt and heavy-duty flue construction.

Solid Carbide Jobbers Drills

Solid carbide construction allows extra rigidity and useful under high drilling temperatures.
For use on cast iron, aluminum, plastic, non-ferrous alloys, and highly abrasive materials.

Carbide Tipped Roto Percussion Masonry Drills

Used for drilling in concrete, brick, tile, Cinder Block, plaster, etc.

Precision 29 Pc. Fractional Jobbers Drill Set

Jobbers length drills are designed to perform in a wide variety of normal conditions and in a broad range of materials in both machine and portable drilling.

1/16" - 1/2" by 64ths

Part No. 1-001-0290
Reg. Net Price $25.03

$14.95

RIGHT HAND

118° SPLIT POINT

HIGH SPEED STEEL

Size

3/64" -003
5/64" -005
3/32" -010
1/8" -016
5/32" -020
11/64" -027
1/4" -032
9/32" -043
5/16" -060
11/32" -097
3/8" -144
7/16" -224
1/2" -320
3/4" -480
1" -781

KBC

118° POINT

Save 30%
**7 Pc. Solid Cap Screw Counterbore Set**

**HIGH SPEED STEEL**

**3 FLUTE STRAIGHT SHANK**

**FEATURES:**
- Designed to create a recess for socket head cap screws and shoulder screws.
- Also used for spot facing smaller spots, enlarging, or cleaning holes.
- Solid pilot will not score or damage pilot hole.
- Cutting action is chatterless.

**SET INCLUDES:**
- Sizes: 1/16" to 1/2" by 64ths

**Prices:**
- Part No. 1-099-029
  - Reg. Net Price: $100.30
  - **SALE!** $85.26

**Supplied in wood stand.**

---

**Fractional Drill Blanks**

**HARDENED & GROUND**

**BRIGHT FINISH**

Blanks are often used as guides to check hole size drill bushing size. Can be used as guide pins for die sets or modified as punches.

**Tolerances:**
- Up to 1/2"....+.0000",-.0003"  
- Over 1/2"....+.0000",-.0005"

---

**29 Pc. Fractional Blank Set**

1/16" to 1/2" by 64ths

**Part No. 1-099-029**

**Reg. Net Price:** $100.30

**SALE!** $85.26

---

**3/8 Flute Restoring Files**

**Thread Restoring Files**

**FEATURES:**
- Files will not skip or jump out of fine pitches.
- Milled, not cold-formed, so cutting teeth actually have sharp edges which allow the file to do the work rather than the mechanic.
- File teeth come to a sharp point which allows the teeth to get to the bottom of the thread and remove any rust or gunk that has accumulated there.

---

**Hex Shank Taper Car Reamers**

**SPIRAL FLUTE**

**HIGH SPEED STEEL**

**FEATURES:**
- Car Reamers have the same features as bridge reamers except for shorter flute and overall length facilitating their use in tight quarters. Hex welded to shank for ready use in pneumatic power tools.

---

**Long Series Combined Drills and Countersinks**

**Used for producing center holes in components or workpieces with the extra length allowing access to difficult-to-reach areas.**

---

**Drill Indexes**

**FEATURES:**
- Folding drill holder.
- All-steel index securely holds drills by the shank (except taper shank drills).
- Greater accessibility.
- High quality epoxy finish.
- Silk screened drill identification for easy picking of drills.

---

**Combined Drills and Countersinks**

**RIGHT HAND**

Plain type combined drills and countersinks are used for producing center holes in components or workpieces which require machining between centers.

---

**5 Pc. Combined Drill and Countersink Set**

*With Plastic Case*

**60° RIGHT HAND**

**HIGH SPEED STEEL**

*No. 1 through No. 5*

**Part No. 1-031-200**

**Reg. Net Price:** $34.75

**SALE!** $29.54

---
M 100 DEX
7 Pc. Indexable Toolholder & Boring Bar Sets

FEATURES:
• For use with 60° diamond positive clearance CCMT inserts.
• Complete with 4-Layer Coated Carbide Inserts, Torx Screws & Torx Key.

Supplied with a fitted wooden case.

<table>
<thead>
<tr>
<th>Tool Styles Included in Set (1 each)</th>
<th>Shank Size</th>
<th>CCMT Insert Series</th>
<th>Part No. 1-128-</th>
<th>Reg. Net Price</th>
<th>NOW!</th>
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<td>SCLCR, SCLCL, SCBRC, SCKCR, SCMCR, &amp; SCLR</td>
<td>1/4</td>
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<td>$210.25</td>
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<td></td>
<td>5/16</td>
<td></td>
<td>-047012</td>
<td>$254.65</td>
<td>216.92</td>
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<td></td>
<td>3/8</td>
<td></td>
<td>-047013</td>
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<td>227.16</td>
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<tr>
<td></td>
<td>1/2</td>
<td></td>
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<td>$285.96</td>
<td>243.06</td>
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<td></td>
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<td>237.99</td>
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Fleximill End Mills

Countersink & Chamfering Tool, 10° to 80°

<table>
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<tr>
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<td>340 W 750</td>
<td>.75</td>
<td>4</td>
<td>40</td>
<td>.20</td>
<td>1.00</td>
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<td>340 W 1.00</td>
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<td>.20</td>
<td>1.25</td>
<td>-151</td>
<td>$333.10</td>
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</tr>
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</table>

B1 Boring Kit

FEATURES:
• .180° minimum bore
• .007” radius inserts

INCLUDED:
• (1) CSB-165/187-1-2/T holder
• (10) CDCG-50S-5L inserts

Part No. 1-294-071
Reg. Net Price $171.01
$145.36

B2 Boring Kit

FEATURES:
• .285” minimum bore
• .007” radius inserts

INCLUDED:
• (1) CSB-250-3-5R holder
• (10) CDCG-50S-5L inserts

Part No. 1-294-072
Reg. Net Price $171.01
$145.36

T1 Threading Kit

FEATURES:
• 60° V threading
• .312” minimum bore
• GP22 grade inserts

INCLUDES:
• (1) BFR-312S holder
• (10) BFR3-60V inserts

Part No. 1-294-061
Reg. Net Price $235.24
$211.72

SI-SCLCR R Indexable Boring Bars

FEATURES:
• Negative 3° side and end cut edge angle.
• Uses 80° diamond positive clearance CCMT inserts.

<table>
<thead>
<tr>
<th>Boring Bar Style</th>
<th>Shank Size</th>
<th>Min. Bore</th>
<th>OAL</th>
<th>Center Line F</th>
<th>Insert Series</th>
<th>Part No. 1-293-</th>
<th>Reg. Net Price</th>
<th>SALE!</th>
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<tbody>
<tr>
<td>SI-SCLCR 4-2</td>
<td>.315”</td>
<td>.355”</td>
<td>4”</td>
<td>1.875”</td>
<td>21.51</td>
<td>-0482</td>
<td>$53.43</td>
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<td>SI-SCLCR 6-2</td>
<td>.500”</td>
<td>.560”</td>
<td>6”</td>
<td>.2500</td>
<td>-052</td>
<td>73.36</td>
<td>$62.36</td>
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<tr>
<td>SI-SCLCR 8-2</td>
<td>.625”</td>
<td>.650”</td>
<td>8”</td>
<td>.4000</td>
<td>-068</td>
<td>103</td>
<td>$64.47</td>
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<tr>
<td>SI-SCLCR 10-2</td>
<td>.750”</td>
<td>.850”</td>
<td>10”</td>
<td>.5000</td>
<td>-103</td>
<td>123</td>
<td>$68.12</td>
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<tr>
<td>SI-SCLCR 12-3</td>
<td>.900”</td>
<td>1.120”</td>
<td>12”</td>
<td>.6094</td>
<td>-162</td>
<td>88.12</td>
<td>$74.90</td>
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</tbody>
</table>

TPBN Positive Insert Indexable Boring Bars

FEATURES:
• Advanced precision chip clearance allows for maximum boring capacity.
• The insert is held more secure with the Torx screw than the hex screws and reduces tool slipping.
• Positive rake for fast material removal, as well as finishing.
• Bar made of heat treated, precision ground alloy steel for rigidity.

<table>
<thead>
<tr>
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<th></th>
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<tbody>
<tr>
<td>TPBN06-2</td>
<td>.430”</td>
<td>5”</td>
<td>3.75”</td>
<td>1-1/4”</td>
<td>.208”</td>
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<td>6”</td>
<td>.500”</td>
<td>1-1/2”</td>
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<td>8”</td>
<td>.625”</td>
<td>2-1/4”</td>
<td>.350”</td>
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<td>74.92</td>
<td>$63.46</td>
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<td>TPBN12-3</td>
<td>.650”</td>
<td>10”</td>
<td>.750”</td>
<td>2-1/2”</td>
<td>.422”</td>
<td>-004</td>
<td>78.81</td>
<td>$66.99</td>
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<tr>
<td>TPBN16-3</td>
<td>1.155”</td>
<td>12”</td>
<td>1.000”</td>
<td>3-1/2”</td>
<td>.555”</td>
<td>-005</td>
<td>134.73</td>
<td>$114.92</td>
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<tr>
<td>TPBN20-3</td>
<td>1.370”</td>
<td>12”</td>
<td>1.250”</td>
<td>3-1/2”</td>
<td>.682”</td>
<td>-006</td>
<td>153.75</td>
<td>$130.69</td>
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<tr>
<td>TPBN20-4</td>
<td>1.370”</td>
<td>12”</td>
<td>1.250”</td>
<td>3-1/2”</td>
<td>.682”</td>
<td>-007</td>
<td>153.75</td>
<td>$130.69</td>
<td></td>
</tr>
</tbody>
</table>

TPBN-BBS1 Boring Bar Set

FOR USE WITH TPGB & TPGH Style Inserts

SAVE MORE BUY MORE THE SET

Call: 1-800-521-1740
Fax: 1-800-322-4292
Web: KBCTools.com
**Saw-Man Cut-Off Blade Kits**

**FEATURES:**
- Small width of chip can be achieved due to special chip breaker and cutting edge design.
- Increased tool life due to specially designed rake angle.
- Built-in stopper prevents inserts from being pushed back which ensures accuracy during high speed applications.
- Decreased nose radius size to prevent burrs on work piece.
- Various insert lead angles available for best machining conditions.

**Style SP Carbide Inserts**

<table>
<thead>
<tr>
<th>Insert Style</th>
<th>W</th>
<th>H</th>
<th>Part No.</th>
<th>Reg. Net Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP300</td>
<td>.122</td>
<td>.445</td>
<td>124X-SP4</td>
<td>$12.20</td>
</tr>
<tr>
<td>SP400</td>
<td>.161</td>
<td>.445</td>
<td>124X-SP4</td>
<td>$13.94</td>
</tr>
</tbody>
</table>

**Features:**
- Only system that provides you with two cutting edges in one insert in extremely narrow widths.
- Positive locking insert screw & unique insert pocket design assures a repeatable cutting edge location.
- Positive locking insert screw.
- Positive locking insert screw & unique insert pocket design assures a repeatable cutting edge location.
- Positive locking insert screw & unique insert pocket design assures a repeatable cutting edge location.
- Positive locking insert screw & unique insert pocket design assures a repeatable cutting edge location.

**NIKCOLE MINI-SYSTEMS**

**Grooving & Cut-Off Set**

**Features:**
- The only system that provides you with two cutting edges in one insert in extremely narrow widths.
- Positive locking insert screw & unique insert pocket design assures a repeatable cutting edge location.

**Adjustable Cut-Off Blades**

**Features:**
- Double sided.
- Pin and clamp insert.
- G' relief angle.
- Use for medium cuts.
- Standard chip control.
- Depth of Cut: 5/64” ~ 15/64”.
- Standard chip control.
- Standard chip control.
- Standard chip control.
- Standard chip control.

**Freedom Cutter® Indexable Shell Mills**

**Fits three different shapes of inserts. Square, Round, and Octagon, all in one body!**

The Mil-Tec Freedom Cutter® is perfect for every shop. The combination of flexibility and performance offers users a low cost milling solution without sacrificing quality.

**Features:**
- Positive geometry for free cutting.
- Separate geometry for aluminum and steel.

**KITS INCLUDE:**
- Anti-Seize Lubricant
- Extra Screws
- Extra Screws
- Extra Screws
- Extra Screws

**TOOL DIMENSIONS:**

<table>
<thead>
<tr>
<th>Tool No.</th>
<th>Dia.</th>
<th>Bore</th>
<th>Height</th>
<th># of Inserts</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC-2-4</td>
<td>2&quot;</td>
<td>.75&quot;</td>
<td>1.750&quot;</td>
<td>4</td>
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<tr>
<td>FC-3-6</td>
<td>3</td>
<td>1.25</td>
<td>1.675</td>
<td>3</td>
</tr>
<tr>
<td>FC-4-6</td>
<td>4</td>
<td>1.50</td>
<td>1.675</td>
<td>6</td>
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**KITS FOR STEEL/STAINLESS APPLICATIONS (INCLUDES PS45L-MTC357 INSERTS)**

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>KTEC-4-SPS</td>
<td>FC-2-4</td>
<td>.035K</td>
<td>$338.00</td>
<td>$340.20</td>
</tr>
<tr>
<td>KTEC-3-SPS</td>
<td>FC-3-6</td>
<td>.040K</td>
<td>455.00</td>
<td>469.80</td>
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<tr>
<td>KTEC-4-SPS</td>
<td>FC-4-6</td>
<td>.045K</td>
<td>552.00</td>
<td>566.80</td>
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</table>

**KITS FOR ALUMINUM APPLICATIONS (INCLUDES S545L-MTC322 INSERTS)**

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<tr>
<td>KTEC-2-SS</td>
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<td>KTEC-4-SS</td>
<td>FC-4-6</td>
<td>.045A</td>
<td>552.00</td>
<td>566.80</td>
</tr>
</tbody>
</table>

**Micro 100® Style CCMT Carbide Insert**

**Features:**
- 1/4” I.C.
- Insert Style: CCMT 21.51
- Thickness: 3/32”
- Hole Diameter: .110”
- Corner Radius: 1/64”

**Grade TG-320 - Excellent coated grade for rough cuts in steel & steel alloys. Equivalent to P20-P40 & M20-M40 grade. Recommended Cutting speed: 250-650 SFM.**

**Grade NC-330 - Excellent coated grade for tooling applications in steel. Equivalent to P20-P40 & M20-M40 grade. Recommended Cutting speed: 250-650 SFM.**

**Subscribe @ KBCTools.com to Get Exclusive Email Offers.**
Angle Plates

FEATURES:
• Hardened to RC 58-62.
• Ground flat, square & parallel within 0.0002”.
• Solid 1-piece steel construction for longer life.

<table>
<thead>
<tr>
<th>Dimensions (lbs. - oz.)</th>
<th>Weight (lbs.)</th>
<th>Part No.</th>
<th>Reg. Net Price</th>
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<tbody>
<tr>
<td>3” x 3” x 4” x 1”</td>
<td>4.8</td>
<td>1-114</td>
<td>$115.25</td>
</tr>
<tr>
<td>4 x 4 x 4 x 1-1/4</td>
<td>7.8</td>
<td>1-105</td>
<td>$138.60</td>
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<tr>
<td>4 x 4 x 6 x 1-1/4</td>
<td>10</td>
<td>1-106</td>
<td>$180.20</td>
</tr>
</tbody>
</table>

P=Pointed Jaw

Aluminum Soft Jaws For Precision Machine Vises

FEATURES:
• Universal Use - TCI soft jaws fit all Anglock, Accu-Lock, Lock-Tight and similar precision machine vises.
• Protect Finish - Aluminum soft jaws will not damage finish of parts.

Part No. 1-554-161006
Reg. Net Price $46.72

Metric Serrated Square and Pointed Soft Jaws

For Kitagawa, Matsumoto and Howa & Seike chucks.
All Jaws are made from 1018 Mild Steel.

Part No. 1-420-020
Reg. Net Price $1.70

Soft Top Jaws

American Standard Tongue & Groove (A.S.T.G.)

For Bergman, Bison, Cushman, Huron, Rohrn, Forkhardt, Pratt Burnerd America, SCA, SP, W&S, Nobel and Yuasa chucks. All Jaws are made from 1018 Mild Steel.

Call: 1-800-521-1740 Fax: 1-800-322-4292 Web: KBCTools.com
Large Carbide Point
Imperial Carbine Centers

FEATURES:
- Knockout ends are hardened on carbide tipped dead centers.
- Eliminates the need for special dead centers.
- Covers the widest range of center hole sizes.

<table>
<thead>
<tr>
<th></th>
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<td>1-3/16&quot;</td>
<td>2-3/8&quot;</td>
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<td>1-3/16&quot;</td>
<td>2-3/8&quot;</td>
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<td>$181.00</td>
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<td>1-3/4&quot;</td>
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<td>3-11/16&quot;</td>
<td>-69105</td>
<td>$408.00</td>
<td>$346.80</td>
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SUBURBAN TOOL
Master-Grind

FEATURES:
- "TWIN-DEX", which combines 5C collet and V-Block in one fixture.
- 72 position index plate allows hard index every 5° ±15 arc seconds.
- Maximum spindle runout 0.000050".
- Square and parallel within 0.0002".
- Built-in 2-1/2" sine bar for setting angles between hard index locations.
- Horizontal or vertical v-block mounting.
- Spindle runs in 2 heavy-duty, 4" tapered roller bearings.

SPECIFICATIONS:
- V-Block Capacity 1-1/8" 1-1/4" 2-1/16" 1-1/4" 2-11/16"
- Center Height 3" 3" 5-1/2"
- Base (L x W) 4" x 5" 4" x 5" 4" x 5" 4" x 5" 4" x 5"
- Weight 22 lbs.

Model MG5-CV-S1
Part No. 1-806-MGSCVS1
Reg. Net Price $2,831.00
Supplied with a fitted wooden case.

$2,406 35

Heavy Duty
Precision
Live Centers

FEATURES:
- A heavy-duty ball thrust bearing takes all axial thrust.
- The rotating spindle is extended right through the tapered shank.
- 2 specially designed adjustable needle-roller bearings carry all radial loads.
- Complete protection of bearings from the ingress of coolant, dirt and dust is provided by the built-in oil-seal, which also prevents loss of lubricant.

<table>
<thead>
<tr>
<th>Morse Taper</th>
<th>D</th>
<th>d</th>
<th>L</th>
<th>l</th>
<th>Max. Speed (RPM)</th>
<th>Max. Weight Workpiece (lbs.)</th>
<th>Net Weight of Center (lbs.)</th>
<th>Part No. 1-506-</th>
<th>Reg. Net Price</th>
<th>SALE!</th>
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<td>.87&quot;</td>
<td>4.92&quot;</td>
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<td>600</td>
<td>.75</td>
<td>-200</td>
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<td>1.13&quot;</td>
<td>6.26&quot;</td>
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<td>7,500</td>
<td>15.80</td>
<td>-600</td>
<td>$596.57</td>
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</table>

Mini Horizontal/Vertical Rotary Tables

FEATURES:
- Table clamping surface are precision ground & cylindrical center bore concentric.
- Dual position tables used for circular cutting, angle setting, boring & spot facing operations.
- Horizontal and vertical rotary tables come with 360° graduations.
- Features dual positive action locks with extra deep coolant channel.
- Complete with a pair of mounting clamps.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Center Hole</th>
<th>Worm</th>
<th>Weight</th>
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<tr>
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<td>6-561</td>
<td>225.00</td>
<td>$180.00</td>
<td>$160.00</td>
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</table>

6" VISE FEATURES:
- The largest opening in its class of 9".
- The angled slide & locking jaw design prevents lifting of the moveable jaw.
- Up to 8,200 lbs. of clamping force.
- Bed height matched to size 2-7/8" (73.025mm) +/- 0.0005".

SPECIFICATIONS:
- Max. Jaw Opening 9" Jaw Depth 5.94" Vise Length 17.208" Vise Width 8.77" Weight 81 lbs.

Part No. 1-903-PWS6900
Reg. Net Price $519.00

$441 15

8" VISE FEATURES:
- The largest opening in its class of 11".
- An angled slide and locking jaw are designed to prevent lifting of the moveable jaw.
- The 4 bolt design on the stationary jaw reduces deflection by 25%.
- Up to 12,000 lbs. of clamping force.
- Bed height matched to size 3.310" (84.07mm) +/- 0.0005".

SPECIFICATIONS:

Part No. 1-903-PWS8110
Reg. Net Price $1,262.00

$1,135 80

Multi-Jaw
Rotating
Bench Vise

FEATURES:
- Eight locking pin stops hold the rotating head in a desired position during set-up.
- The head and base rotate a full 360°.

INCLUDES:
- A built-in anvil and bolt lugs in the base for secure mounting.
- (3) Sets of replaceable, hardened steel jaws for holding flat or round stock.

Part No. 1-549-29503
Reg. Net Price $331.00

$281 35

Palmgren

Multi-Jaw
Rotating
Bench Vise

FEATURES:
- Eight locking pin stops hold the rotating head in a desired position during set-up.
- The head and base rotate a full 360°.

INCLUDES:
- A built-in anvil and bolt lugs in the base for secure mounting.
- (3) Sets of replaceable, hardened steel jaws for holding flat or round stock.

Part No. 1-549-29503
Reg. Net Price $331.00

$281 35

TECO
Single Station Machine Vises

FEATURES:
- Stationary jaw has machined keyway for alignment of the vise and includes alignment rail for quick set-ups.
- Hardened vise bed and jaw plates.
- Outside rail edges of the body are machined.
- More robust main screw that can handle higher torque loads and transmit higher clamping pressure.
- Footprint and distance from keyway to stationary jaw same as major competitor.
- Sealed bearing system reduces clamping pressure and increases bearing life.

REPEATABILITY 0.001°

Limited LIFETIME WARRANTY

SPECIFICATIONS:

Part No. 1-903-PWS8110
Reg. Net Price $1,262.00

$1,135 80

Major Credit Cards Accepted

Subscribe @ KBCTools.com to Get Exclusive Email Offers.
**WORK HOLDING**

**heinrich Air Collet Fixture**

- **Part No.** B37
- **Model** CD1
- **Part No.** B37-051

**Buying Information:**
- **Part No.** B37-051
- **Price** $516.61

---

**Demagnetizer**

Demagnetize dies, punch magnets, or any tools that have become magnetized from any source. Operates on 115V AC with on/off switch.

- **Part No.** 8-600-002
- **Reg. Net Price** $77.30
- **SALE!** $61.84

---

**Key CAD-DE with Magnet**

**MODEL CD1 INCLUDES:**
- **Part No.** R6/K3
- **Price** $218.00

**MODEL CD2 INCLUDES:**
- **Part No.** R3/K3
- **Price** $206.1

---

**BISON 3-Jaw Self-Centering Scroll Chucks**

- **Plain Back with 2-Piece Reversible Jaws**
- **For Turning, Facing, Boring, Grinding & Milling Operations.**

**FEATURES:**
- Body made of quality cast iron.
- All guideways and bearing surfaces are precisely machined.
- Scroll Plate drop forged of fine alloy steel, carefully case hardened.
- Thread flanks ground on both sides.
- Jaw teeth and guides are hardened and fully ground on both sides.
- Pinions hardened and ground.

**SPECIFICATIONS:**
- **Chuck Diameter:** 3/8" to 1 1/8" 5C Collet Chuck Capacity
- 3/64" to 1 1/8"
- **Max. Speed:** 6,000 RPM
- Approx. Weight: 12-15 lbs.

**SALE!** $437.67

---

**BISON 5C Collet Chuck Plain Back**

**FEATURES:**
- **Heavy-duty Key-Type Precision Chucks**
- **Plain Bearing models precision crafted.**
- **All parts are hardened for maximum tool life.**

**SPECIFICATIONS:**
- **Chuck Diameter:** 3/8" to 1 1/8" 5C Collet Chuck Capacity
- 3/64" to 1 1/8"
- **Max. Speed:** 6,000 RPM
- Approx. Weight: 12-15 lbs.

**SALE!** $437.67
### NMTB Shank ER Collet Chucks

**FEATURES:**
- Collet changes minimized due to large holding range of each collet.
- Concentricity guaranteed to 0.0004".
- Exclusive self-releasing system reduces sticking.

### ER Collets

**FEATURES:**
- Concentricity guaranteed to 0.0004".
- Wide holding range of each collet requires fewer collets and changes.
- ER collets collapse approximately 1/32" while maintaining full accuracy.
- Unique self-releasing system eliminates sticking.
- ER mini-collet chucks allow for machining in tight locations with reduced outside nose diameter.

### Straight Shank ER Collet Chucks

### CAT40 V-Flange End Mill Holders

**FEATURES:**
- High precision bore (H2) is best in industry.
- Taper ground to AT3 for maximum spindle contact.
- Individually inspected, tested & certified for accuracy.
- Balanced to 15,000 RPM at G6.3.

### CAT40 V-Flange Rigid Tap Holder

**FEATURES:**
- Interchangeable with Bilz System.
- Quick-Change style.
- Taper ground to AT3 accuracy or better.

### ANSI Rigid Tap Collets

**FEATURES:**
- Quick-change style.
- Change worn taps in seconds.

### 5C Inch & Metric Collet Sets

- **SAVE 20%**

### TECHNIKS END MILL HOLDERS

**FEATURES:**
- Balanced to 15,000 RPM at G6.3.
- Individually inspected, tested & certified for accuracy.
- High precision bore (H2) is best in industry.
- Taper ground to AT3 for maximum spindle contact.

---

**NMTB Shank ER Collet Chucks**

<table>
<thead>
<tr>
<th></th>
<th></th>
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**ER Collets**

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**ER20 COLLETS**

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</tr>
<tr>
<td>1/4</td>
<td>-102</td>
<td>20.85</td>
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</tr>
</tbody>
</table>

**ANSI Rigid Tap Collets**

**FEATURES:**
- Quick-change style.
- Made of high grade steel.
- Internal thread 1.041" - 24, external thread 1.242" - 20.

---

**5C Inch & Metric Collet Sets**

- **SAVE 20%**

<table>
<thead>
<tr>
<th>Part No.</th>
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<tr>
<td>1-519-035</td>
<td>$120.00</td>
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</tbody>
</table>
**Shaviv**

**Set C**

The Scraper Deburring Tool Set

Complete with Mango II, Model C blade holder (w/key) & C42 scraper.

Mango II

Part No. 1-457-256

Reg. Net Price $17.66

$15.01

---

**Abraives**

- 7.50
- 10.45
- 17.66
- Mango II
- 6.40
- 16.10
- 2.90
- 10.10
- 17.62

4 x 1/2 Medium

4 x 3/8 Fine

4 x 3/8 Medium

4 x 1/4 Fine

4 x 1/4” Medium

---

**India Triangular Abrasive Files**

India files are a smooth cutting aluminum oxide abrasive. Ideal when a close tolerance is more important than the speed of cut.

<table>
<thead>
<tr>
<th>Size</th>
<th>Grit</th>
<th>Part No.</th>
<th>Reg. Price</th>
<th>SALE!</th>
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</thead>
<tbody>
<tr>
<td>4” x 1/4”</td>
<td>Medium</td>
<td>-86235</td>
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<td>$8.09</td>
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<tr>
<td>4” x 1/4”</td>
<td>Fine</td>
<td>-86230</td>
<td>10.10</td>
<td>9.00</td>
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<tr>
<td>4” x 3/8”</td>
<td>Medium</td>
<td>-86250</td>
<td>10.95</td>
<td>9.96</td>
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<td>4” x 3/8”</td>
<td>Fine</td>
<td>-86245</td>
<td>10.95</td>
<td>9.96</td>
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<td>4” x 1/2”</td>
<td>Medium</td>
<td>-86265</td>
<td>11.10</td>
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<td>4” x 1/2”</td>
<td>Fine</td>
<td>-86260</td>
<td>11.10</td>
<td>9.99</td>
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</table>

Triangular files are used for a variety of deburring, chamfering and radiusing applications including cleaning tap threads,stoning cutting surface of milling cutters, lapping honing tools, dies and molds, and putting precision points on center punches.

---

**Norton**

**Scrapercraft**

**Features:**
- Double sided blade holder to utilize both light-duty "N" series and heavy-duty "S" series blades.
- Telescopes from 3/4” to 3-1/4” with N blades.
- Telescopes from 3/4” to 2-7/8” with S blades.

Includes:
- UNI-Handle.
- SN-Holder.
- N1 & N2 blades.

Model LB1000

Part No. 1-457-505

Reg. Net Price $10.45

$8.88

---

**5-1/2’’ Medium Cut Needle File Set**

**Includes (1 EA.):**
- Flat
- Joint
- Knife
- Round
- Slitting
- Square
- Barrette
- Marking
- Crossing
- Equaling
- Half Round
- Three Square

Part No. 4-130-999

Reg. Net Price $7.50

$5.95

Supplied in a wallet.

---

**VSM**

**Abrasives Rolls**

**Features:**
- The flexible backing can withstand heavy use without tearing.
- A resin over resin bond provides strong heat and moisture resistance.
- Aluminum oxide is a tough, durable grain characterized by the long life of its cutting edges.

<table>
<thead>
<tr>
<th>Grit</th>
<th>Part No.</th>
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<tr>
<td>400</td>
<td>-400</td>
<td>15.48</td>
<td>13.16</td>
</tr>
</tbody>
</table>

Constructed with a universal aluminum oxide grain and a flexible cloth backing. Ideal for use in many hand sanding applications such as deburring, blending and surface preparation.

---

**KBC Tools**

**Call:** 1-800-521-1740

**Fax:** 1-800-322-4292

**Web:** KBCTools.com
**TRIUMPH PLUS**

**FULLY GUARANTEED**

Green Silicon Carbide Bench Grinding Wheels

Cool Cutting Vitrified Bond

**STANDARD ABRASIVES**

**Buff & Blend Discs**

**TYPE “S”**

FEATURES:

- Blending, cleaning, deburring and finishing.
- Flexible, conformable discs constructed of GP material, which provides a high rate of cut while producing consistent finishes.

*Now!*

Price & Each

- 12" Medium Fine
- 1200.00 840213
- 9.30 840215

- 2" Medium Fine
- 1200.00 840313
- 1.03 840314

- 3" Medium Fine
- 8000.00 840413
- 1.61 840414

**SMART ABRASIVES**

**BriteRite® General Purpose Hand Pads**

Best for hand application of deburring, polishing, cleaning, finishing & surface preparation on metal composite or plastic surfaces.

*ONLY!* 6" x 9" MAROON ALUMINUM OXIDE

Price & Ea/Cs

- 827505 $1.07 $0.96 $0.75

**CGW ABRASIVES**

**Knot Wire Cup Brushes**

*NEW!*

Price & Each

- 496431 .014 15.00 946431
- 7.30 946435

- 496451 .020 11.50 946453
- 10.24 946457

**CGW ABRASIVES**

**Wheel Dressing Stick**

*24 Grit*

- 1" x 1" x 6"

Part No. 1-578-006 Reg. Net Price $6.50

**CGW ABRASIVES**

**Quickie Cut™ Reinforced Cut-Off Wheels**

*TYPE 1*

**B-Flex**

FEATURES:

- Grade - ZA60-T-B-Flex.
- Zirconia aluminum oxide mixture.
- Recommended for ferrous metals.
- Flexible wheels design for fast cutting & easy work penetration.

**Rigid**

FEATURES:

- Grade - ZA36-T-Rigid.
- Zirconia aluminum oxide mixture.
- Recommended for ferrous metals.
- Rigid wheel design for fast cutting & longer life.

Size | Part No. 1-602- | Max RPM | Only! Price/Each |
---|---|---|---|
4" x .040 x 7/8" | 19000 | 45014 | $1.44 |
5/8" x .040 x 7/8" | 13000 | 45010 | 1.40 |
1" x .040 x 7/8" | 12250 | 45011 | 1.65 |
2" x .060 x 7/8" | 12500 | 45012 | 1.80 |
3" x .060 x 7/8" | 13000 | 45013 | 1.95 |
4" x .045 x 7/8" | 13300 | 35014 | 3.40 |
5" x .045 x 7/8" | 12500 | 35015 | 1.70 |
6" x .045 x 7/8" | 10200 | 35016 | 1.80 |
7" x .045 x 7/8" | 8500 | 35017 | 2.80 |
8" x .045 x 7/8" | 8500 | 35018 | 2.80 |

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MEASURING & INSPECTION

Call: 1-800-521-1740
Fax: 1-800-322-4292
Web: KBCTools.com

Center Finder

FEATURES:
• Place tool in drill chuck, or collet and line up pointer with line scribed on shaft.
• Accurately & quickly locates center on round workpieces.
• Satin chrome finish.

Part No. 1-804-550 Reg. Net Price $15.30

$13.77

6" Precision Dial Caliper

FEATURES:
• Revolution: .100"
• Easily used, accurate - read directly to .001" on large clear dial.
• 4-way measurement.

Stainless steel with satin chrome finish.

Supplied in a plastic case.

Part No. 8-100-006 Reg. Net Price $29.55

$23.64

Edge & Center Finders

FEATURES:
• Accurately locate working edges, shoulders, grooves, center points, and scribed lines.
• Time-saving positioning tools for jig borers, milling and other machines.
• Hardened and centerless ground to precision tolerance.
• All sizes are 3" long.

Supplied in a shop-hardened case.

Part No. 1-815-115 Reg. Net Price $92.40

$69.30

12" Shock Proof Dial Caliper

FEATURES:
• 4-way measurement.
• Solid stainless steel construction.
• Silky smooth movement throughout.
• Dial graduations of 0.001" with one revolution equivalent to 0.100".
• Tough shockproof design.
• Strong locking screw.
• 1 year warranty.

Supplied with a molded case.

Part No. 1-815-115 Reg. Net Price $92.40

$69.30

Starrett #EC799A-6/150

Range: 0-6" (0-150mm)

Part No. 1-855-00142 Reg. Net Price $173.00

$147.05

Starrett #EC799A-12/300

Range: 0-12" (0-300mm)

Part No. 1-855-00148 Reg. Net Price $359.00

$305.15

12" Dial Caliper

Series 505

FEATURES:
• Can measure OD, ID, depth, and steps.
• New designed dial movement for ultra smooth sliding and high shock protection.

Supplied in a fitted plastic case.

Part No. 1-808-505746 Reg. Net Price $289.00

$245.05

Mitutoyo Digimatic Caliper

6" x 150mm Pocket Steel Rule with Clip

FREE

Part No. 1-808-500196K Total Value Price $170.05

$144.54

Fowler XTRA-VALUE CAL

Electronic Calipers

FEATURES:
• 4-way measurement.
• Stainless steel frame.
• Large easy-to-read display.
• Resolution: .0005" (.01mm)
• Direct inch/metric conversion.
• Absolute/incremental measurement.

Supplied with a molded case.

Range: 0-6"

Part No. 54-101-150 Reg. Net Price $47.70

$38.16

Range: 0-12"

Part No. 54-101-300 Reg. Net Price $120.35

$96.28

Starrett EC799A-6/150

Range: 0-6" (0-150mm)

Part No. 1-855-00142 Reg. Net Price $173.00

$147.05

Starrett EC799A-12/300

Range: 0-12" (0-300mm)

Part No. 1-855-00148 Reg. Net Price $359.00

$305.15

Expanding the listing! EXPANDED LISTING!
**Starrett**

**Precision Steel Minus Pin Gage Sets**

**FEATURES:**
- All gages are 2" long and hardened to RC 60/72.
- All pin gages are manufactured to a 0.0002" tolerance.
- All sharp corners are broken.
- Each pin is centerless lapped and is clearly etched with the stated size.
- Color coded, fully adjustable GO/NO-GO gage handle furnished with each set.
- Inspection certificate included.
- Sets are supplied in a rugged, high-impact protective case with each space marked for the appropriate gage.

<table>
<thead>
<tr>
<th>Description</th>
<th>Starrett No.</th>
<th>Part No. 1-805-</th>
<th>Reg. Net Price</th>
<th>NOW!</th>
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<td>50 Pc. Set, Sizes .011 -.060&quot;</td>
<td>S4001-060</td>
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<td>S4005-500</td>
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<td>263.30</td>
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</table>

**USE FOR:**
- Setting micrometers.
- Checking locations.
- Measuring hole sizes & depths.
- Checking distances between holes.
- Quick, precision GO/NO-GO gaging.

---

**AMP GROUP**

**T-Bar Depth Base Attachment**

**FEATURES:**
- Fits all brands of calipers.
- Locking screw.
- Black oxide plated.
- Case hardened steel.

**SPECIFICATIONS:**
- CALIPER NOT INCLUDED.

**USE FOR:**
- Checking distances between holes.
- Checking locations.
- Setting micrometers.
- Checking or laying out concave or convex radii.

**SALE!**

**Part No. 1-804-Z223**

Reg. Net Price $22.20

- Fits 4-6" Calipers

---

**Feeler Gages**

**FEATURES:**
- Length of Blade: 3".
- Number of Blades: 26.
- Blades made of finest feeler gage stock, hardened and tempered.
- Each blade marked with thickness.
- Lock nut holds blades securely in place.
- Steel case protects blades.

**THICKNESSES INCLUDED:**
- .015, .020, .025, .030, .040, .050, .060, .070, .080, .090, .100, .110, .120, .130, .140, .150, .160, .170, .180, .190, .200, .210, .220, .230, .240, .250

**FEATURES:**
- Range: 1/64" - 17/64" by 64ths.
- Number of Gages: 25.
- Satin chrome finish.
- Five measuring surfaces for both convex and concave radii.
- Designed for checking or laying out concave or convex radii.
- Used for inspection, layout, pattern making and all other machining jobs.
- Each gage is marked clearly with its size.

**SALE!**

**Part No. 8-410-009**

Reg. Net Price $33.00

- Tool No. RG1

---

**Screw Pitch Gages**

**FEATURES:**
- 28 Blades included are both V, American National & U.S. Standard 60° threads.
- Narrow leaf blade for internal and external thread.
- Locking device at each end secures blades.
- Each blade clearly marked with proper thread size.

**SALE!**

**Part No. 1-808-186101**

Reg. Net Price $47.75

- Tool No. 186

---

**Mitutoyo**

**Inch Radius Gage Series 186**

**FEATURES:**
- Range: 1/32-1/4".
- Number of leaves: 30.
- Five measuring locations.
- Identified with its particular radius.
- Accuracy: ±0.0016" (0.04mm).

**Part No. 1-808-186101**

Reg. Net Price $47.75

- Tool No. 186
**Touch Off Gage**

The Touch Off Gage allows you to standardize the way tool offsets are measured in your shop. To use this gage just lower the tool down onto the contact face until the indicator reads zero. At that point the tool tip is exactly 4 inches from the surface the Touch Off Gage is sitting on.

**FEATURES:**
- Gage graduations 0.001".
- Gage repeatability 0.0002".
- Accurately establishes tool length offsets for CNC milling machines.
- The contact face is lightly spring loaded to protect against over run.
- Contact face diameter is 1/4".
- The rectangular base and recessed indicator face allow it to fit between vise jaws on a pair of parallel bars.
- Offset height 4" (101.6mm).
- Large 2.2" easy to read indicator face.
- Easy calibration check using 1-2-3 blocks.
- Body and contact face are made from red anodized 6061-T6 aluminum.
- Padded case and manual included.


**IP66 Electric Digital Tool Setting Gage**

**FEATURES:**
- Range: 1/2".
- Accuracy: ±0.0015".
- Repeatability: ±0.0001".
- Resolution: 0.00005"/0.001mm.
- Alert back light will light-up when setting to zero.
- IP66 Protective Reading.
- 5 strong magnets on base.
- Easy read super large lite display.
- Uses CR2032 replacement battery.

Supplied in a strong protective case.

Part No. 1-815-215 Reg. Net Price $85.00 **$59.50**

---

**IP54 Large Display Electronic Micrometer**

**FEATURES:**
- Range: 0-1" / 0-25mm.
- Accuracy: 0.00015" / 0.003mm.
- Resolution: 0.00005" / 0.001mm.
- ABC / INC measurement.
- Anodized aluminum alloy.
- Ratchet and friction thimble.
- Ball attachment included.
- Auto power off.
- SPC data output port for cable and wireless data output option.

Complete in a molded case.

Part No. 1-815-525 Reg. Net Price $64.30 **$51.44**

---

**Mitutoyo Outside Micrometers Series 103**

**FEATURES:**
-Can be adjusted to any position.
-Provides desirable measuring position and angle for inside and outside micrometers.

<table>
<thead>
<tr>
<th>Range</th>
<th>Remarks</th>
<th>Part No.</th>
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<td>Ratchet Stop</td>
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<td>w/ Standard</td>
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**Starrett 2-12" Solid Rod Inside Micrometer Set Series 124**

**FEATURES:**
- Graduations: .001".
- Hardened & ground anvils on rods, adjustable for length. Head anvil is hardened and ground.
- Measuring rods are solid and assembled on one side of the micrometer head.
- Rods are insulated & marked with length.
- Quick-reading figures - every thousandth numbered on inch reading tools.
- Handle screws in the micrometer head in place of dummy screw, which is opposite a rod lock screw.

Supplied with a fitted case.

Starrett No. 124BZ Part No. 1-855-50546 Reg. Net Price $331.00 **$281.15**

**Starrett 3-3/8" Bench Level**

**FEATURES:**
- Accurately machined base leveling surface.
- Compact 3-3/8" bench level with a sensitive and accurate single vial.
- Body made of seasoned cast iron with black wrinkle finish.

Starrett #130 Part No. 1-855-50560 Reg. Net Price $41.50 **$37.35**

**Starrett 6 Pc. Hardness Tester File Set**

This set includes 6 files - HRC 40 to HRC 60. Set provides a quick, inexpensive and simple way to check material hardness. No need to bring the material to be tested over to a hardness testing machine. Just bring this file set to the piece being tested. Files have specially curved tips, which can reach into internal slots that cannot be tested by conventional hardness testers. Each file has a non-slip, color coded handle with the Rockwell value. Includes a fitted case with instructions and conversion chart (Rockwell C to Vickers).

Part No. 8-570-100 Reg. Net Price $136.45 **$115.98**
**6" Flexible Steel Rules**

**FEATURES:**
- Width: 1/2"
- Micro fine graduations.
- Satin chrome, no-glare finish.
- Hardened and tempered steel.

**GRADUATIONS:**
- 32nds, 64ths, 50ths & 10ths & 50ths
- .5mm, mm, 32nds & 64ths
- 2,770.00
- 290.00

**YOUR CHOICE**
- 32nds, 64ths, 10ths & 100ths
- 129.15
- 8.73
- 5.14
- 46.50

**Knife Edge Square**
- 32nds, 64ths, 10ths & 100ths
- 18.59

---

**Machinists’ Steel Squares**

**FEATURES:**
- Hardened blade.
- Made of finest steel.
- Accuracy to workshop grade.
- Square accurate both inside and outside.

**FEATURES:**
- Inch Set
- Inch/mm Conversion, Alarm
- Linear Accuracy: ±.002" (Low Voltage, Counting Data Hold, -/+ Switching, Compensation, Power on/off, 2-Presets, Probe Tip Diameter Setting, ABS/INC Switching, Range: 0-24" (0-600mm)

**SPECIFICATIONS:**
- A: 1" B: 2.000" ± .0002"
- C: 3.000" ± .0006mm

**SALE!**
- 2" $6.05
- 3" $6.40
- 4" $6.85
- 6" $9.90

---

**Electronic Height Offset Sensor**

**FEATURES:**
- Repeatability T.I.R. within .0002" - .0006mm.
- Four high visible lights.
- Made of high quality tool steel hardened to 60 HRC.
- Easily replace lamp and battery.
- Precision ground on all surfaces.
- One-piece design construction gives strength and accuracy.

**DONEGAN**

**Double Coddington Magnifier**

One 15X (15mm) and 20X (10mm) swing out double lens systems in chrome plated brass case. Vinyl carrying case.

**SALE!**
- Part No. 1-801-310 Reg. Net Price $129.15
- Part No. 1-700D-V-400 Reg. Net Price $26.45

---

**Starrett Electronic Height Gage**

**FEATURES:**
- Range: 0-6" (0-150mm)
- Resolution: .0005" (.01mm)
- Linear Accuracy: ±.001" (.02mm)
- Easy-to-read LCD with .32" high characters.
- Rounded nose scriber cuts clean, sharp lines.
- Inch/millimeter conversion and zero at any position.
- Manual on/off with auto off after 5 min. of non-use.
- Scriber can reference zero from the base bottom.
- Long life hardened, stainless steel bar.
- Slide lock and fine adjustment thumb roll.
- Hardened, ground, and lapped base.

**Supplied in a case.**

Starrett #3751AZ Part No. 1-855-12221 Reg. Net Price $290.00

---

**Mitutoyo Digmatic Height Gage Series 192**

**FEATURES:**
- Range: 0-34" (0-600mm)
- Resolution: .0005" (.011mm)
- Linear Accuracy: ±.002"
- SPC data output.
- Double-column structure for high measuring accuracy.
- Functions include: Zero-Setting, ABS/INC Switching, 2-Presets, Probe Tip Diameter Compensation, Power on/off, Data Hold, +/- Switching, Inch/mm Conversion, Alarm (Low Voltage, Counting Valve Composition Error).
- Includes: Carbide-tipped scriber and 2 scriber clamps.

**SALE!**
- Part No. 1-808-192632 Reg. Net Price $2,770.00

---

**Precision Parallel Set 5 Holes**

**FEATURES:**
- Hardness: Case hardened to RC 55-62 on 2 sides top and bottom only.
- Dimensions: Within 0.001" allowance.
- Made from fine quality tool steel stress relieved against distortion, precision ground and hardened.
- Tolerance: Parallel 0.0003" on 2 sides, top and bottom.
- The holes are designed for easier handling and set-ups.

**SALE!**
- Part No. 1-801-210 Reg. Net Price $46.50

---

**Machinist Jack Set**

**FEATURES:**
- Set consists of 2 machinist jacks supplied in a shop-hardened case.
- Individual jacks consist of a heavy, steel cast base with adjustable steel screw and tilting swivel head, with a lock nut for permanent positioning.
- 1-1/2" jack base for added stability.
- Range: Min: 3", Max: 4"
- Lifting capacity: 1,000 lbs.

**SALE!**
- Part No. 1-855-12221 Reg. Net Price $18.59
- Part No. 1-806-003H Reg. Net Price $8.73
- Part No. 1-808-192632 Reg. Net Price $9.70
- Part No. 1-801-210 Reg. Net Price $46.50

---

**4 Pc. Measuring Tool Set Inch Set**

**SET INCLUDES:**
- 90° Knife Edge Square
- Stainless Steel Ruler: 6" Outside Micrometer: 1" .0001" Graduation
- Dial Caliper: 6" .001" Graduation
- Supplied with a fitted plastic case.

**SALE!**
- Part No. 1-801-210 Reg. Net Price $129.15
- Part No. 1-801-310 Reg. Net Price $55.00
- Part No. 1-700D-V-400 Reg. Net Price $26.45

---

**4 Pair Set with Plastic Case.**

- 3/16" x 1" x 6", 3/16" x 1-1/4" x 6", 1/2" x 1-1/2" x 6", 1/2" x 1-3/4" x 6"

**SALE!**
- Part No. 1-801-210 Reg. Net Price $46.50

---

**Part No. 1-808-192632 Reg. Net Price $2,770.00

---

**Subscribe @ KBCTools.com to Get Exclusive Email Offers.**
**Horizontal Dial Test Indicators**

**K-SERIES**

**FEATURES:**
- Range: 0.060" & 0.001" contact points.
- One Rev. .100 per revolution.
- Dial Reading: 0-100.
- Revolution counter.
- Automatic reversal.
- Easy-to-read tilted dial.
- Tungsten Carbide Point: .080".
- Includes extra .040" & .120" contact points.

**Specifications:**
- Graduation: .001"
- Travel: 1.000"
- Lug back and carbide point.

**Part No.** 1-815-355

**Reg. Net Price** $80.00

**NOW!**

**$64.00**

**NEW!**

**$68.00**

**Water Resistant Indicator Set**

**IP4X X-PROOF**

**INDICATOR FEATURES:**
- Travel: 1.000"
- Reading: .001"
- Sealed back plate.
- Tolerance markers.
- Rubber bellows on stem.
- AGD Group 2, 2-1/4" dia.
- O-Ring seal on safety cap.
- Lug back and carbide point.
- Continuous Reading: 0-100.
- O-Ring protection for bezel & rotating dial.

**Specifications:**
- 85 lb. pull.
- Fine adjustment.
- On/off lever release magnet.
- V-base for placing on round surfaces.
- Also mounts test indicators with 1/4" post.
- Base Dimensions: 2" x 2-11/32" x 1-13/16"

**Part No.** 52-585-155

**Reg. Net Price** $85.00

**NOW!**

**$68.06**

**Mitutoyo Dial Indicator Group 2**

**Dial Indicator Point Kit**

**FREE**

**22 Pc. Indicator Point Kit**

**Part No.** 1-808-2416S

**Total Value** $129.95

**NOW!**

**$110.46**

**Magnetic Base Features:**
- Includes extra .040" & .120" contact points.
- 1 year warranty.
- Complete with a molded case.

**Part No.** 1-815-355

**Reg. Net Price** $80.00

**NOW!**

**$64.00**

**NEW!**

**$68.06**

**KBC Tools & Inspection Kit**

**2 Pc. Set-Up & Inspection Kit**

**INCLUDES:**
- Test Indicator: .030 x .0005".
- Test Indicator Holder: 1-7/8"
- (2) Stems: 5/32" & 3/8"

**Supplied in a fitted plastic case.**

**White Face**

**Part No.** 8-135-0014

**Reg. Net Price** $54.95

**NOW!**

**$43.96**

**NEW!**

**$53.96**

**Starrett Universal Back Plunger Dial Test Indicator**

**Series 196**

**FEATURES:**
- Accurate and reliable.
- Simple and smooth to operate.
- Rugged, with few moving parts.
- Shank Diameter: 1/4" (6.3mm)
- Indicator with 3 contact points and adapter.

**SPECIFICATIONS:**
- Range: 1.000"
- Graduation: .001"
- Dial Reading: 0-100

**Starrett #106B1**

**Part No.** 1-855-50699

**Reg. Net Price** $148.00

**NOW!**

**$125.80**

**Mitutoyo Dial Indicator**

**0-1" Dial Indicator**

**FEATURES:**
- Range: 0.060"
- Swivel Arc: 210°
- 2 Dovetail stems.
- Automatic reversal.
- Revolution counter.
- Jeweled movement.
- Dial Reading: 0-15-0.
- Easy-to-read tilted dial.
- IP65 Protective Rating.
- Tungsten Carbide Point: .080".

**Specifications:**
- Robust, shockproof design.
- Lug-on-center back, mounted vertically.
- Accuracy meets Federal Specifications.
- Chrome plated stem.
- Contact point is of hardened, ground and chrome plated tool steel.

**Part No.** 1-815-355

**Reg. Net Price** $80.00

**NOW!**

**$64.00**

**NEW!**

**$68.06**

**Amplify Accurate Manufacturing Products Group**

**Accuracy Guaranteed!**

**11 Pc. Mini Point AGD Drop Dial Indicator Point Kit**

**FEATURES:**
- 7/32" dia. x 3/4" long.
- 7/32" dia. x 7/32" long.
- 1/16" dia. x 5/16" long.
- 7/32" dia. x 5/8" long.
- 7/32" dia. x 1-1/4" long.
- 1/16" dia. x 5/16" long.
- 7/32" dia. x 7/32" long.
- 7/32" dia. x 3/8" long.
- 7/32" dia. x 1/2" long.
- Continuously calibrated.
- Includes extra .040" & .120" contact points.

**Part No.** 1-850-Z0014

**Reg. Net Price** $10.07

**NOW!**

**$9.06**

**NEW!**

**$8.06**

**Fowler X-Test**

**Twice the Test for Less!**

**IP65 Extended Range Test Indicator**

**FEATURES:**
- Range: 0.060"
- Swivel Arc: 210°
- 2 Dovetail stems.
- Automatic reversal.
- Revolution counter.
- Jeweled movement.
- Dial Reading: 0-15-0.
- Easy-to-read tilted dial.
- IP65 Protective Rating.
- Tungsten Carbide Point: .080".

**Specifications:**
- Includes extra .040" & .120" contact points.
- 1 year warranty.
- Complete with a molded case.

**Part No.** 1-815-355

**Reg. Net Price** $80.00

**NOW!**

**$64.00**

**NEW!**

**$68.06**

**FREE**

**2 Pc. Indicator Point Kit**

**Part No.** 1-808-2416S

**Total Value** $129.95

**NOW!**

**$110.46**

**Fowler X-Test**

**Twice the Test for Less!**

**11 Pc. Mini Point AGD Drop Dial Indicator Point Kit**

**FEATURES:**
- Flat Point (6):
  - 7/32" dia. x 1/4" long.
  - 7/32" dia. x 3/8" long.
  - 7/32" dia. x 1/2" long.
  - 7/32" dia. x 5/8" long.
  - 7/32" dia. x 1-1/4" long.
- Bent Stem Point (1):
  - 7/32" dia. x 5/16" long.
- Ball Point (2):
  - 7/32" dia. x 7/32" long.
  - 7/32" dia. x 5/8" long.
- Cone Point (2):
  - 7/32" dia. x 3/4" long.
  - 7/32" dia. x 5/8" long.

**Specifications:**
- Lug back and carbide point.
- Contact point is of hardened, ground and chrome plated tool steel.

**Part No.** 1-850-Z0014

**Reg. Net Price** $10.07

**NOW!**

**$9.06**

**NEW!**

**$8.06**

**KBC Tools & Inspection Kit**

**Call: 1-800-521-1740**

**Fax: 1-800-322-4292**

**Web: KBCTools.com**

**IP4X X-PROOF**

**INDICATOR FEATURES:**
- Travel: 1.000"
- Reading: .001"
- Sealed back plate.
- Tolerance markers.
- Rubber bellows on stem.
- AGD Group 2, 2-1/4" dia.
- O-Ring seal on safety cap.
- Lug back and carbide point.
- Continuous Reading: 0-100.
- O-Ring protection for bezel & rotating dial.
**Mitutoyo**

**0-4" Depth Micrometer**
Series 129 - Interchangeable Rod Type

**FEATURES:**
- **Base Length:** 4"
- **Graduation:** .001"
- **Rods:** 4 pcs. - .157" diameter interchangeable rods, with lapped measuring end, are calibrated and tested at the factory. Rods are adjustable length, to compensate wear on the measuring tip, with 2 supplied wrenches.
- **Crisp, clear graduations on the thimble.**
- **Satin-chromed finished throughout.**

**Part No.** 1-808-129131  
**Reg. Net Price** $213.00  
**SALE!** $181.05

**0-6" Depth Micrometer**

**FEATURES:**
- **Graduation:** .001"  
- **Base Length:** 4"  
- **Measure the depth of small holes & slots.**  
- **High accuracy interchangeable rods.**  
- **Ratchet stop for consistent and repetitive measurements.**  
- **Satin chrome finish.**

**Part No.** 1-812-303  
**Reg. Net Price** $88.25  
**SALE!** $57.00

---

**Starrett**

**Bore Gages**
Series 3089

**FEATURES:**
- **2-point contact.**  
- **Graduation:** .0005"  
- **Carbide contacts for extended wear.**  
- **All anvils laser marked for easy selection.**  
- **Gage chart for quick & easy arvil selection.**  
- ** Ergonomic design with non-slip insulating grip.**  
- **Includes sturdy aluminum case with cutouts for gage and all accessories.**

**Part No.** 3089Z-131-715J  
**Reg. Net Price** $250.75  
**SALE!** $224.40

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* Includes one 2" extension.

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**SALE!**

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**No. Range Depth Contacts Spacers 1-815-500 Net Price**

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</table>

* Includes one 2" extension.

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**3D Universal Mini Magnetic Base**

**FEATURES:**
- **Power pull:** 50 lbs.  
- **Overall reach:** 7.5"  
- **ON/OFF magnet switch.**  
- **V-groove magnet between surface for curved surface.**  
- **Anodizd universal arm with one knob central lock.**  
- **Satin chrome finish.**  
- **Complete set of 6 (5/16" - 6") in plastic case.**  
- **Made of hardened tool steel.**

**Model No.** DG6180  
**Part No.** 1-857-917  
**Reg. Net Price** $132.15  
**SALE!** $105.72

**Fat & Fab Double Fine Adjustment Magnetic Base**

**FEATURES:**
- **Five axis holder.**  
- **Double Fine Adjustment:**  
  - **Top:** Universal Swivel Clamp  
  - **Bottom:** Unique Single Direction  
- **Powerful on/off magnetic base (176 lbs./ft.).**  
- **Holds 6mm, 8mm, 3/8" dovetail and back lug.**  
- **Fast and easy to set-up gauges into required position.**  
- **Instant fixtion in any position.**  
- **Unique central locking mechanism with NOGA designed spring loaded bearing.**  
- **Black finished arms.**  
- **Top Arm:** 3.98"  
- **Bottom Arm:** 4.33"  
- **Swivel Clamp Double Fine Adjustment:**  
  - **Five axis holder.**  
  - **Top:** Universal  
  - **Bottom:** Unique  
- **Holds 6mm, 8mm, 3/8", base (176 lbs./ft.).**  
- **Powerful on/off magnetic base (176 lbs./ft.).**  
- **Holds 6mm, 8mm, 3/8", base (176 lbs./ft.).**  
- **Instant fixtion in any position.**  
- **Unique central locking mechanism with NOGA designed spring loaded bearing.**  
- **Black finished arms.**  
- **Top Arm:** 3.98"  
- **Bottom Arm:** 4.33"  
- **Satin chrome finish.**

**Model No.** DG6180  
**Part No.** 1-857-917  
**Reg. Net Price** $132.15  
**SALE!** $105.72

---

**Telescoping Gage Set**

**“DOUBLE ACTION” Self-Centering**

**FEATURES:**
- **Satin chrome finish.**  
- **Rigid handle with self-centering feature.**  
- **Complete set of 6 (5/16" - 6") in plastic case.**  
- **Made of hardened tool steel.**

**Part No.** 8-412-004C  
**Reg. Net Price** $18.50  
**SALE!** $9.17

---

**Mitutoyo**

**0-4" Depth Micrometer**
Series 129 - Interchangeable Rod Type

**FEATURES:**
- **Base Length:** 4"  
- **Graduation:** .001"  
- **Rods:** 4 pcs. - .157" diameter interchangeable rods, with lapped measuring end, are calibrated and tested at the factory. Rods are adjustable length, to compensate wear on the measuring tip, with 2 supplied wrenches.  
- **Crisp, clear graduations on the thimble.**  
- **Satin-chromed finished throughout.**

**Part No.** 1-808-129131  
**Reg. Net Price** $213.00  
**SALE!** $181.05

---

**Fat & Fab Double Fine Adjustment Magnetic Base**

**FEATURES:**
- **Five axis holder.**  
- **Double Fine Adjustment:**  
  - **Top:** Universal Swivel Clamp  
  - **Bottom:** Unique Single Direction  
- **Powerful on/off magnetic base (176 lbs./ft.).**  
- **Holds 6mm, 8mm, 3/8" dovetail and back lug.**  
- **Fast and easy to set-up gauges into required position.**  
- **Instant fixtion in any position.**  
- **Unique central locking mechanism with NOGA designed spring loaded bearing.**  
- **Black finished arms.**  
- **Top Arm:** 3.98"  
- **Bottom Arm:** 4.33"  
- **Satin chrome finish.**

**Model No.** DG6180  
**Part No.** 1-857-917  
**Reg. Net Price** $132.15  
**SALE!** $105.72

---

**3D Universal Mini Magnetic Base**

**FEATURES:**
- **Power pull:** 50 lbs.  
- **Overall reach:** 7.5"  
- **ON/OFF magnet switch.**  
- **V-groove magnet between surface for curved surface.**  
- **Anodizd universal arm with one knob central lock.**  
- **Dovetail clamp for test indicator.**  
- **Clamping hole for indicator stem.**  
- **Complete with a protective molded case with space for test and dial indicator storage.**  
- **1 year warranty.**

**Part No.** 1-815-250  
**Reg. Net Price** $45.50  
**SALE!** $29.95

---

**SALE!**
TOOLROOM ACCESSORIES

High Visibility Safety Clamps Series 400CS

FEATURES:
• Drop forged frame c-clamp with an anti-spatter, copper plated spindle, swivel pad, and cross-pin handle.
• Acme roll spindle threads provide user with maximum strength and clamping force.

Regular Duty Extra Deep Throat Drop Forged

0 - 2 2-3/8 1/2" 3,500 1-1/2 -H402B $14.77 20.41 29.11 $12.55
0 - 3 2-3/4 3/4" 5,500 2-3/4 -H404C $26.41 37.78 62.78 $17.33
0 - 4 3-1/4 1" 6,900 3-3/4 -H406C $36.46 47.91 68.66 $25.98
0 - 6 3-5/8 3/4" 6,900 4-3/4 -H408C $44.30 57.66 83.78 $37.66
0 - 8 4-1/2 3/4" 6,900 5-1/2 -H410B $49.78 66.86 107.07 $52.25
0 - 10 5-3/8 3/4" 8,000 6-1/2 -H412B $55.46 76.58 115.62 $65.35
0 - 12 5-3/4 3/4" 9,500 7-3/4 -H414B $62.50 83.12 125.96 $78.98

T-Slot Toe Clamp

FEATURES:
• Low profile cam action clamp with positive downforce.
• Clamp is mounted in the T-Slots of machine tables by sliding the clamp to the workpiece & tightening the locking screw.
• Two Clamping Edges:
  - Smooth for Machined Surfaces
  - Serrated for Rough Cut Material

All Steel Industrial Clamps Series SQ & STB

SQ FEATURES:
• Specifically designed to target the 4", 6", 8", and 12" C clamps but more efficient and less costly.
• Moveable sliding arm design saves 90% of clamping time vs. the ordinary "C" clamp.
• Deep throat has greater reach and eliminates the need to purchase regular and deep throat "C" clamps.

STB FEATURES:
• "Super-Tuff" Bessy.
• Hex head spindle.
• Economical standard pad.

Machinist Clamping Sets

SET INCLUDES:
• (5) T-Slot Nuts
• (6) Flange Nuts
• (4) Coupling Nuts
• (6) Step Blocks
• (6) Serrated End Clamps
• (2) T-Slot Cleaner
• (24) Studs: 4 each: 3", 4", 5", 6", 7", 8" lg.

Stud Size: 1/2-13 Table T-Slot Size: 5/8"

Steel Spring Clamps

Made with vinyl tips to prevent marring & vinyl handles for a non-slip grip. Features a heavy-duty spring for a light fit & nickel plating to prevent corrosion.

Hold-Down Toggle Clamps

HORIZONTAL HANDLE

<table>
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<tr>
<th>Height</th>
<th>Overall Handle</th>
<th>Holding Capacity (lbs)</th>
<th>Part No. 1-900-</th>
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Oil Hardening Drill Rods

FRACTIONAL SIZES

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<td>1&quot;</td>
<td>044</td>
<td>8.30</td>
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**FEATURES:**
- Marked every 6" with a line, thickness in thousands of an inch.
- Includes No. 666 thickness stock.
- Case provides the ability to slip off the desired length without waste and useful for cutting off the required length for adjusting tappets, spark plugs, distributor points, checking bearing clearances etc.
- Also useful for forming in turning & die work.
- Made of the finest tempered steel.

**SALE!**
- All sizes listed to 5/32" reduced 10% - 75% off.

**Metric Keystock**

Gold dichromate plating on most sizes makes product identification easy.

**FEATURES:**
- True metric keystock that conforms to metric keyway specifications.
- Material is high quality, cold-drawn steel, C1020 to C1045.
- All sizes meet ISO R773, and BS 4235 and most sizes meet DIN 6880.

**TABLE OF CONTENTS**
- Mathematics
- Mechanics and Processes
- Strength of Materials
- Properties, Treatment, and Testing of Materials
- Dimensioning, Gaging, and Measuring
- Tooling and Toolmaking
- Machining Operations

**Toolbox Edition (4.6" x 7")**
Part No. 1-961-05530
Reg. Net Price $109.95

**Large Print (7" x 10")**
Part No. 1-961-06530
Reg. Net Price $129.95
MACHINERY

Horizontal/Vertical Bandsaws

FEATURES:
- Portable, take to the job & plug it in.
- 3/4 HP, 115V, 1 phase.
- Built in coolant system.
- Hydraulic feed control.
- 7" round & 7" x 11" rectangular capacity.
- 4 blade speeds.
- 3/4" x 93" blade.
- Shipping Weight: 400 lbs.

Model BAH-712
Part No. 6-280-005
$1,099.00

9" x 16" Horizontal Bandsaw

FEATURES:
- 1-1/2 HP, 115/230V, 1 PH.
- 9" round, 3" x 16" or 9" x 13" rectangular capacity @ 90°.
- 4 blade speeds with 1" x 129" blade.
- Hydraulic feed control.
- Built in coolant system.
- Shipping Weight: 800 lbs.

Model BAH-916
Part No. 6-271-025
$2,695.00

FREE
Spare H.S. Blade Included
$70.00 Value!

Vertical Tilt Frame Bandsaw

FEATURES:
- Large 14" x 20" cutting capacity at 90°, 14" x 13" at 45°.
- Infinitely variable blade speeds from 50-400 ft./min. via A.C. inverter speed control - full motor torque through entire speed range!
- Infinitely variable feed from 0-150 lbs. (via. air/hydraulic system).
- Tilt frame design enables angle cuts without having to move the stock.
- Shipping Weight: 1,300 lbs.

Model TF-1420
Part No. 6-398-006
$13,795.00
FINANCE AS LOW AS $317.29/mo.
CALL FOR DETAILS
6" x 18" Manual Surface Grinder

Complete with full coolant system, 6" x 18" permanent magnetic chuck, grinding wheel & wheel mount.

Model KGS-618M
Part No. 6-273-003
$8,845.00
FINANCE AS LOW AS $203.44/mo.
CALL FOR DETAILS

FEATURES:
- Cartridge spindle with ABEC-7 precision spindle bearings.
- Double "V" saddle ways, H-frame column design and heavyweight.
- Oversize spindle housing and flange mount design allows heavier grinds than other similar size machines.
- Ultra high column with 21" spindle to table.
- Roller ways for smooth effortless table travel.
- Construction gives this machine exceptional rigidity.
- Shipping Weight: 2,500 lbs.

12" Disc & 6" x 48" Belt Heavy-Duty Combination Sander

FEATURES:
- 1-1/2 HP, 115V, 1 PH motor.
- Precision ground cast iron tables.
- On/off toggle switch with safety key.
- Cabinet style Stand with power coated paint.
- Heavy-duty miter gauge.
- Quick-change belt release.
- Shipping Weight: 230 lbs.

Model DS-20
Part No. 6-150-010
$1,490.00

16" Heavy Duty Cut-Off Saw

FEATURES:
- Vise swivels to 45°.
- Heavy-duty cast iron frame upper & lower.
- Motor: 5 HP, 230V, 3PH.
- Spindle Speed: 3,000 RPM.
- Capacity: Pipe - 3", Round Solid - 2".
- Shipping Weight: 256 lbs.

Model COS-16
Part No. 6-100-010
$835.00

MACHINERY

Subscribe @ KBCTools.com to Get Exclusive Email Offers.
**13" x 40" Heavy-Duty Precision Lathe**

Complete with 7" 3-jaw chuck, chuck guard, steady rest and follow rest, 4-way indexable toolpost, coolant system with full length rear splash guard, halogen work light, toolbox with tools, manual & parts list.

**KENT USA**

**HEAVIEST HEAVY-DUTY 13" LATHE AVAILABLE!**

**FEATURES:**
- 5 HP 2-speed drive motor, 230V, 3 PH.
- ISO 9001 Certified Factory.
- 16 spindle speeds, 50-2,570 RPM.
- Shipping Weight: 2,440 lbs.

**Model TRL-1340**

Part No. 6-273-058

$11,495.00

FINANCE AS LOW AS $264.39/mo.

CALL FOR DETAILS

**14" x 40" CNC Lathe**

**FEATURES:**
- FAGOR 8054 CNC Control.
- Programmable flood coolant.
- 7.5 HP Servo drive spindle motor.
- Introduction hardened and ground ways.
- Rigid FCP30 castings with extra ribbing.
- Extra large precision ground ball screws.
- Alloy steel gears that are hardened and ground.

**Model CSM-1440CNC**

Part No. 6-273-056

FINANCE AS LOW AS $42,150.00

CALL FOR DETAILS

**SPECIFICATIONS:**
- Swing Over Bed / Cross Slide: 14" / 8-5/8"
- Distance Between Centers: 40"
- Width of Bed: 8" D1-4 / 1.5"
- Spindle Taper: 5 MT
- Spindle Speeds: 50-3,000 RPM
- Cross Slide Travel (X Axis): 8" Longitudinal Travel (Z Axis): 33"
- Tailstock Quill Dia. / Travel: 1-3/4" / 4-3/4" Voltage/Phase: 230V / 3 PH
- Shipping Weight: 2,750 lbs.

**26" & 30" Swing Heavy-Duty Lathes**

with 4-1/2" Spindle Bore

**FEATURES:**
- Center sleeve.
- Threading dial.
- Hardened & ground gears and spindles.
- Hardened & ground cross slideways & bedways.
- Solid full-length cast iron base.
- Precision rigid spindle with 3-point support.

**SPECIFICATIONS:**
- Swing Over Bed: 26" / 30" Bed Width: 15.75" Swing Over Cross Slide: 17.3" / 21.3" Width of Gap w/Faceplate: 11.8" Distance Between Centers: 80" / 160" Spindle Speeds (12): 10-1,000 RPM
- Thread Cutting Range: Inch (44) 2-56 TPI Metric (39) 0.5-14 mm

**Model HW-2680 (26" x 80")**

Part No. 6-273-072

$31,750.00

FINANCE AS LOW AS $716.92/mo.

CALL FOR DETAILS

**Model HW-30160 (30" x 160")**

Part No. 6-273-079

$46,595.00

FINANCE AS LOW AS $1,052.12/mo.

CALL FOR DETAILS

**Complete with NEWALL DP-500 Digital Readout INSTALLED!**

**16" x 40" Precision Toolroom Lathe**

**FEATURES:**
- 6 HP spindle motor, 3 PH.
- 16" swing x 40" between centers.
- 16 spindle speeds, 45-1,800 RPM.
- D1-6 camlock spindle with 3-point bearing support.
- Large 2" spindle bore.
- Shipping Weight: 3,400 lbs.

**Model GRIP-1640GH**

Part No. 6-269-009-N5

$11,495.00

FINANCE AS LOW AS $264.39/mo.

CALL FOR DETAILS

**Complete with NEWALL DP-700 Digital Readout INSTALLED!**

**16" x 40" Precision Toolroom Lathe**

**FEATURES:**
- 6 HP spindle motor, 3 PH.
- 16" swing x 40" between centers.
- 16 spindle speeds, 45-1,800 RPM.
- D1-6 camlock spindle with 3-point bearing support.
- Large 2" spindle bore.
- Shipping Weight: 3,400 lbs.

**Model GRIP-1640GH**

Part No. 6-269-009-N5

$11,495.00

FINANCE AS LOW AS $264.39/mo.

CALL FOR DETAILS

Call: 1-800-521-1740 Fax: 1-800-322-4292 Web: KBCTools.com
**12" x 36" Precision Toolroom Lathe**

**FEATURES:**
- 9 spindle speeds, 70-1,400 RPM.
- 12" swing x 36" between centers.
- D1-4 spindle mount, 1-1/2" bore.
- All gear head, hardened and ground ways.

**Model GRIP-1236E**
Part No. 6-660-010

$4,365.00
FINANCE AS LOW AS $100.40/mo.
CALL FOR DETAILS

Complete with Floor Stand, Rear Splash Guard, 3 & 4 Jaw Chucks, Slotted Face Plate, Steady & Fellow Rest.

**LATHEGUARD**

**FEATURES:**
- Rib reinforced.
- Light in weight.
- Swings away easily.
- Robust construction.

**Very Small Lathes**
<table>
<thead>
<tr>
<th>Suggested Lathe Size</th>
<th>Center Height (A)</th>
<th>Use With Chucks</th>
<th>Part No. 1-495</th>
<th>Reg. Net Price</th>
<th>SALE!</th>
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</table>

**High Precision Engine Lathes**

Complete with 8" 3-jaw chuck, 10" 4-jaw chuck, steady rest and follow rest, 4-way toolpost, coolant system with full length rear splash guard, halogen work light, toolbox with tools, manual and parts list.

**FEATURES:**
- 7.3 HP main spindle motor, 12 speeds.
- D1-8 camlock, 3.2" spindle bore.
- Hardened and ground gears and bedways.
- Solid one-piece cast iron base.
- Inch dials & lead screws.
- Centralized lube system in headstock.
- Full-length safety foot brake.

**Model KLS-1840G (18" x 40")**
Part No. 6-273-070

$15,150.00
FINANCE AS LOW AS $342.09/mo.
CALL FOR DETAILS

**Model KLS-1860G (18" x 60")**
Part No. 6-273-071

$16,045.00
FINANCE AS LOW AS $362.30/mo.
CALL FOR DETAILS

**LATHEGUARD**

**FEATURES:**
- Rib reinforced.
- Light in weight.
- Swings away easily.
- Robust construction.

**Very Small Lathes**
<table>
<thead>
<tr>
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<th>Center Height (A)</th>
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**FEATURES:**
- Rib reinforced.
- Light in weight.
- Swings away easily.
- Robust construction.
**JET**

**20-1/2" Floor Drill Press**

**FEATURES:**
- 20-1/2" swing.
- 1" drilling capacity.
- Supplied with 3/4" capacity drill chuck.
- Spindle travel 4-5/8"/3MT spindle taper.
- Max. spindle distance to table 29-1/8".
- 12 spindle speeds: 150-4,200 RPM.
- 1-1/2 HP, 1 PH, 115/230V motor; prewired 115V.
- Shipping Weight: 375 lbs.

**Model JDP-20MF**
Part No. 6-200-039

**FINANCE AS LOW AS** $1,153.90

---

**1-1/2" Capacity Geared Head Drill Press**

**FEATURES:**
- 24" swing.
- Power quill feed.
- 4 MT spindle taper.
- 8 speed geared head.
- 1-1/2" drilling capacity.
- Foot pedal operated instant reverse switch for tapping.
- 75/11.5 HP Motor, 230V, 3 PH.
- Shipping Weight: 800 lbs.

**Model 600B**
Part No. 6-325-005

**FINANCE AS LOW AS** $5,095.00

---

**10" x 54" CNC Vertical Milling Machine**

**FEATURES:**
- 10" x 54" hardened and ground table with precision hardened ground ways.
- 3 HP, 3 PH motor.
- Acu-Rite G2 CNC control is easy to learn and simple to use.
- Control features canned cycles for all regular milling and drilling jobs, just fill-in the blanks to complete a program.
- Reliable mechanical V.S. Mill head delivers full torque over entire speed range.
- Heavy-duty box ways on knee and column with extra-wide saddle for added rigidity.
- Shipping Weight: 3,200 lbs.

**Model KVR-2418**

**SPECIFICATIONS:**
- Table Travel: 24"
- Saddle Travel: 39"
- Rapid Travel (X, Y, Z): 1.417"/IPM
- Spindle Speeds: 10,000 RPM
- Spindle Taper: CAT-40
- Max. Tool Diameter: 3.9"-22"
- Max. Tool Weight: 12.1 lbs.
- Tool Change Time: 3.7 sec.
- Shipping Weight: 8,540 lbs.

**Part No. 6-273-100**

**$58,195.00**

**FINANCE AS LOW AS** $1,314.04/mo.

**CALL FOR DETAILS**

---

**MACHINERY**

**Radial Drill Press**

**With 39" Arm**

**Model RD-1000**
Part No. 6-269-011

**$11,495.00**

**FINANCE AS LOW AS** $264.39/mo.

**CALL FOR DETAILS**

---

**Vertical Machining Center**

Includes 16 Tool Vertical ATC with 3.7 Sec. Tool Change Time

**FEATURES:**
- Automatic lubrication.
- Automatic tool changer.
- Programmable flood coolant system.
- Full enclosure with front and side access.
- Metal telescoping way covers.
- Fanuc 0i-MD 3-Axis CNC Control.
- User friendly and easy to learn.
- Complete operation manual for Fanuc Control.
- AC hi-torque spindle motor dual wound high/low.
- Spiral type chip conveyor.
- All AC digital Servo motors (X, Y + Z) CAT-40 taper spindle.
- Extra-large roll out flood coolant system with automatic oil skimmer.
- Full enclosure with extra wide opening and removable side doors.
- Precision extra-side linear ways for smooth rapid traverse and high accuracy.
- Halogen work light.
- Oversized C-3 grade precision ground ball screws.
- 10,000 RPM hi-performance spindle with spindle chiller.
- Certified Meehanite castings with heavy-duty extra wide linear guide ways and 6 carrier blocks.
- Auto lubrication unit with metered check valves.
- Direct coupled Servo motors for ultra precision.
- Fanuc 0i-MD 3-axis CNC control with 8.4" color monitor with 2 gig flash drive and Ethernet.

**SPECIFICATIONS:**
- Table Size: 24" x 18" x 18"
- Spindle Taper: CAT-40
- Rapid Travel (X, Y + Z): 1,417"/IPM
- Spindle Speeds: 10,000 RPM
- Spindle Taper: CAT-40
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**Part No. 6-273-100**

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**CALL FOR DETAILS**

---

**Don't see the machine you need?**
Shop KBCTools.com or email us at your specific needs at machinery@KBCTools.com.
Jaws 55 Ton Punch Pressure Ironworker
5 HP, 230V, 3 PH

Model 55T
Part No. 6-700-215
$11,199.00
FINANCE AS LOW AS $257.56/mo.
CALL FOR DETAILS

55 Ton hydraulic powered punching capacity with open tooling station, built-in stations for shearing plate and angle iron.

Call us for punches & dies and all the other available accessories for these versatile machines.

with Purchase of any KBC Mill / DRO Package

FREE TOOLING

$202.95 Value!

Heavy Duty Milling Machines

SPECIFICATIONS:
Table Size ........................................ 10’ x 54”
Longitudinal Travel Manual .................. 32”
with Power Feed .................................. 29”
Cross Travel .................................. 16”
Knee Travel .................................. 16”
Table to spindle min/max .................. 16-5/8”
Spindle to column at 90° .................. 5” - 22”
Spindle Speeds ...................... 70 - 4200 RPM
Spindle Taper .................. R8
Power Quill Feeds (per rev.) .................. 0017/0032/0053
Quill Travel .................. 3 HP, 230/460V, 3 PH
Shipping Weight .................. 3,500 lbs.

Model TUM-3VS
Part No. 6-265-006
$8,620.00
FINANCE AS LOW AS $198.26/mo.
CALL FOR DETAILS

Complete with NEWALL
DP-500 2-Axis Digital Readout & Table Feed INSTALLED!
Part No. 6-265-006-N5
$10,115.00
FINANCE AS LOW AS $232.65/mo.
CALL FOR DETAILS

Turret Milling Machines

SPECIFICATIONS:
Table Size ........................................ 9” x 49”
Longitudinal Travel Manual Model ........... 35”
with Power Feed .................................. 31”
Cross Travel / Knee Travel .................. 12” / 16”
Table To Spindle min-max .................. 0-18-3/4”
Spindle To Column at 90° .................. 6-3/4”-18-3/4”
Spindle Speeds ...................... 70 - 4,200 RPM (Var.)
Spindle Taper .................. R-8
Power Quill Feeds (per rev.) .................. 0017/0032/0053
Quill Travel .................. 3 HP, 230/460V, 3 PH
Shipping Weight .................. 2,700 lbs.

Model TUM-1VS
Part No. 6-265-007
$7,700.00
FINANCE AS LOW AS $177.10/mo.
CALL FOR DETAILS

Complete with NEWALL
DP-500 2-Axis Digital Readout & Table Feed INSTALLED!
Part No. 6-265-007-N5
$9,195.00
FINANCE AS LOW AS $211.49/mo.
CALL FOR DETAILS

TENNSMITH
Universal Box & Pan Brake
WITH STAND

Model HBU48-16
Part No. 6-700-040
$1,730.00
SPECIFICATIONS:
Capacity, Mild Steel .................. 16 GA.
Bending Length .................. 48-1/4”
Maximum Depth Of Body .................. 4”
Maximum Lift Of Beam .................. 1-1/4”
Front To Rear .................. 5/8”
Beam Adjustment .................. 5/8”
Minimum Reverse Bend .................. 1/4”
Min. Flange In Cap. Material .................. 1”
Finger Widths .................. 2, 3 & 4”
Shipping Weight .................. 580 lbs.

KBC Mill / DRO Package

—with Purchase of any

F.O.B. FACTORY — TENNESSEE

Metal Shear

Model 52
Part No. 6-700-010
$2,995.00
SPECIFICATIONS:
Max. Shearing Capacity, Mild Steel .................. 16 GA.
Max. Shearing Capacity, Stainless Steel .................. 20 GA.
Maximum Cutting Length .................. 52-1/4”
Back Gauge Range .................. 30”
Front Gauge Range .................. 37”
Floor Space, Gauges in Position .................. 60” x 80”
Overall Dimensions, Less Gauges, L x W x H .................. 61” x 36” x 42”
Shipping Weight .................. 1,100 lbs.

F.O.B. FACTORY — TENNESSEE

Download the new KBCTools.com App!

Ironworker

16 Gauge Foot Squaring

CALL FOR DETAILS

FINANCE AS LOW AS

$257.58

CALL FOR DETAILS

FINANCE AS LOW AS

$202.95

CALL FOR DETAILS

Subscribe @ KBCTools.com to Get Exclusive Email Offers.
**Ninja® Gloves**

**FEATURES:**
- Silicone free.
- EN388 Score 412X.
- Treated with Actifresh® to kill bacteria & promote freshness.
- 15 gauge black nylon/Lycra shell.
- Do not use chlorine bleach or harsh detergents.
- Comfortable and cool.
- Bi-polymer palm and fingertips coated.

**Gloves**

**scratch resistant coating.**

**Size:** Large
- Part No. 1-711-N9674L
- $405

**Size:** Extra-Large
- Part No. 1-711-N9674XL
- $405

**Leather Welder Gloves**

**FEATURES:**
- Insulated.
- Fleece lining.
- Gauntlet cuff.
- Made of gray B grade split shoulder cow leather.
- 13" 1 pc. back, self hemmed, and have a full sock lining.

**Size:** Extra-Large
- Part No. 1-700-004
- $875

**TITAN Solar Powered Auto Darkening Welding Helmet**

**FEATURES:**
- Durable lightweight material is corrosion resistant & flame retardant.
- Returns to normal when welding stops with dark to clear adjustments available.
- Variable shades from DIN6 to DIN13.
- Extra-Large Viewing - 3.8" W x 2.17" H
- Utilizes high performance solar cells with 2 built-in 3V lithium batteries as power back-up.
- Special turnover headband mechanism allows for greater comfort and reduces fatigue.
- Automatically darkens in 1/30,000 of a second.
- Ultra high performance filters protect against UV & IR.

**Flaming Skulls**

- Part No. 1-701-41266
- Reg. Net Price $143.75
- **$93.44**

**Oil-Only White Pads**

**FEATURES:**
- Does not absorb water.
- Sonic bonds provide added strength unlike the competition’s unboned product.
- The economical choice to soak up hydraulic oil, diesel fuel or any petroleum-based fluid.

**Pack of 100**
- Part No. 1-635-714
- Reg. Net Price $61.00
- **$51.85**

**EARTH-CHAIN Lifting Magnets**

**NOTE:** Magnets have built-in SAFETY FACTOR of 3.5X the rated load. Never lift more than the max. rated load.

**FEATURES:**
- Eliminates dangerous straps and slings.
- Fast, safe, efficient loading and unloading.
- Beveled surface lifts round steel easily.
- Faster than working with straps or slings.
- Maintenance free lifting magnets never wear out.

**EZ Lift**

- **$233.12**
- **$229.84**

**AMERICAN MADE**

**FREE SHIPPING**

**WEB: KBCTools.com**

**Call: 1-800-521-1740  Fax: 1-800-322-4292**

**SHOP SUPPLIES**

**MEMPHIS GLOVES**

**Leather Welder Gloves**

**FEATURES:**
- Insulated.
- Fleece lining.
- Gauntlet cuff.
- Made of gray B grade split shoulder cow leather.
- 13" 1 pc. back, self hemmed, and have a full sock lining.

**Size:** Extra-Large
- Part No. 1-700-004
- $875

**Crews Glasses**

**XO Skeleton Headgear with Clear Face Shield**

**FEATURES:**
- Ratchet action adjustment with terry cloth sweatband to provide both a precise fit and maximum comfort.
- Face shield’s curvature on sides and underneath chin provide optimum protection.
- Headgear with integrated 1 pc. molded PC face shield providing better optical quality.
- DURAMASS hardcoating to reduce scratching after repeated use.
- Z87.1, AS/NZS 1337 compliant.

**Part No. 1-711-104**
- Reg. Net Price $22.36

**Superior protection from liquid splashes and flying debris.**

**Oil-Only White Pads**

**FEATURES:**
- Does not absorb water.
- Sonic bonds provide added strength unlike the competition’s unboned product.
- The economical choice to soak up hydraulic oil, diesel fuel or any petroleum-based fluid.

**Pack of 100**
- Part No. 1-635-714
- Reg. Net Price $61.00
- **$51.85**

**BearKat Clear Lens**

**FEATURES:**
- Strong yet lightweight design.
- Non-slip, soft temple material.
- Single lens design with integral side shields for unobstructed view.
- Exclusive Duramass® scratch resistant coating.
- Rugged polycarbonate lens filters 99.9% of harmful UV rays.

**Reg. Net Price $8.75**

**More information @ KBCTools.com**

**EZ Lift**

**NOTE:** Magnets have built-in SAFETY FACTOR of 3.5X the rated load. Never lift more than the max. rated load.

**FEATURES:**
- Eliminates dangerous straps and slings.
- Fast, safe, efficient loading and unloading.
- Beveled surface lifts round steel easily.
- Faster than working with straps or slings.
- Maintenance free lifting magnets never wear out.

**EZ Lift**

**SAVE 20%**

**Price**

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**SHOP SUPPLIES**

**LED Tube**
Machine Light

### FEATURES:
- 9 Watt
- 120 Volt.
- 1020 Lumens
- Integrated ballast.
- 9” grounded cord and plug.
- Compact high-impact acrylic housing or borosilicate glass.
- 2-3/4” diameter tubular housing with adjustable steel mounts.
- Average rated LED life 50,000 hours.
- SVT-O/O oil & water-resistant cord and plug - with liquid tight fittings to power outlet.

**Magnetic Mount for Tube Lights**

Vertical use only. Sold as one pair.

---

**Pro Lathe Gage**

### FEATURES:
- Durable anodized finish.
- Ground steel shaft mounted on dual precision ball bearing.
- Made from high strength aluminum.
- Set turning, & facing tools on spindle axis for optimum cutting conditions.
- Precision gage vial level with 30’ (2mm) sensitivity.

**NEW!**
Hands Free Design.

**Non-Contact Laser Tachometer**

Supplied with a hard case.

### FEATURES:
- Auto ranging.
- Laser precision.
- Wide measuring range.
- Range: 2.5-99,999 RPM
- Jumbo 5 digit LCD display.
- Memory: Min./Max./Last

**GENERAL**

**KBC**

"THE BIB" Way Cover Set

### FEATURES:
- Protect ways from chips & oil.
- Easily mounted with two screws.
- Made of heavy .070 oil and chip-resistant Neoprene rubber.
- Cut clean-up time.

**THE BIB" Way Cover Set**

**Model 52611**

### FEATURES:
- 2-Piece welded I-beam drawers slides hold up to 90 lbs. per drawer.
- Wool felt-lined drawers and top till.
- 6 Adjustable Drawer Dividers.

**5 Drawer Locking Top Service Cart**

### FEATURES:
- 5” x 2” heavy-duty casters: 2 locking.
- Chrome plated 16 gauge steel frame.
- Full extension roller bearing drawer slides.
- Durable powder coat finish.
- EVA foam liniers in all drawers for added protection.
- Locking screwdriver / pry bar holder for added storage.

Model 8045BL
Part No. 1-832-8045
Reg. Net Price $481.11
$408.94

---

**Brushes**

High volume/cost-effective brushes for wide range including painting, gluing, touch-up, chip removal, parts cleaning, and other industrial applications. Economy quality white bristle.

**144 Pc. Chip Brush Assortment**

### INCLUDES:
- (36) 1/2”
- (36) 1”
- (36) 3/4”
- (36) 1-1/2”

Part No. 1-613-746
Reg. Net Price $77.30

---

**Subscribe @ KBCTools.com to Get Exclusive Email Offers.**
**FLUIDS**

**UNCLE EARL’S Bar Soap for Machinists**

Made with All Natural Ingredients!

One 3.4 oz. bar lasts longer than 1 gallon of liquid soap!

**FEATURES:**
- Moisturizers protect skin from metalworking fluid’s chemistry and biology.
- Formulated to easily remove shop grease, oils, and grime.
- No more need to use gritty cleaners.
- No need to use liquid glove or other barrier creams.

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<td>-007</td>
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**5 BASIC FUNCTIONS:**
- Lubricates!
- Displaces Moisture!
- Protects - Metal surfaces with corrosion-resistant ingredients.
- Penetrates - Loosens rust-to-metal bonds and frees stuck, frozen or rusted metal parts.
- Cleans - Dirt, grime, grease, and adhesives!

Call: 1-800-521-1740  Fax: 1-800-322-4292  Web: KBCTools.com

---

**WD-40**

“The Original”

The Solution That Works As Hard As You Do!

WD-40 protects metal from rust and corrosion and is great when it comes to cleaning grease, grime, & other marks from most surfaces. VOC COMPLIANT.

16 oz. Aerosol
Part No. 1-443-49008
ONLY! $7.30

1 Gallon
Part No. 1-443-49011
ONLY! $25.90

**FLUIDS**

**10 ml Bottle**
Part No. 1-444-26221
Reg. Net Price $16.95
Price $47.16

**50 ml Bottle**
Part No. 1-444-26231
Price $40.99

**50 ml Bottle**
Part No. 1-444-26241
Reg. Net Price $15.25
Price $45.09

Applied to fasteners up to 3/4” in diameter before assembly.
High lubrication for easy assembly. Excellent for preventing rust and corrosion in extreme chemical environmental conditions. Localized heat and hand tools are required to separate parts. Solvents will not weaken the adhesive bond.

---

**DYKEM Layout Fluid**

**FEATURES:**
- Toulene-free.
- Layout fluids allow scribing of sharp, clear, precise lines in a variety of surfaces.

**FEATURES:**
- One-knob control - instantly starts up and shuts down the unit.
- As little as 25 PSI air supply operates Aquaflo efficiently. Simply attach airline to standard threaded fitting supplied with unit and drop supply line into any container with coolant in your shop. No special tank required.

**FLUIDS**

**EZE Industrial Way Oils**

**5 viscosity grades of lubricant.**
- Oils are non-corrosive & protect against wear & stick-slip.
- For use on machine ways and slideways.

**FEATURES:**
- Works best when used with Zebra Oxygenator.
- Contains no formaldehyde or harmful chemicals.
- Safer and more economical than biocides.
- Eliminates sump odors caused by hydrogen sulfide bacterial emissions.

Model 5-MSP
Part No. 1-440-505000
Reg. Net Price $153.10

---

**AQUAFLO Coolant Dispenser**

Comes with bracket for fast attachment onto any 1/4" dia. fitting on your machine tool!

**FEATURES:**
- Quick and easy mounting.
- One-knob control - instantly starts up and shuts down the unit.
- As little as 25 PSI air supply operates Aquaflo efficiently. Simply attach airline to standard threaded fitting supplied with unit and drop supply line into any container with coolant in your shop. No special tank required.

Part No. 1-439-14014
Reg. Net Price $42.50

---

**SAWZIT**

Pure Synthetic SAWING LUBRICANT

1 Gallon Bottle
Part No. 1-123-075
Reg. Net Price $19.87

5 Gallon Pail
Part No. 1-123-080
Reg. Net Price $92.90

---

**SAWZIT®**

Pure Synthetic SAWING LUBRICANT

**SAWZIT**

Pure Synthetic SAWING LUBRICANT

**SAWZIT**

Pure Synthetic SAWING LUBRICANT

**SAWZIT**

Pure Synthetic SAWING LUBRICANT

---

**LIPCLOCKER®**

**262° Thread locker**

High Strength / Red / Permanent

**FEATURES:**
- Applied to fasteners up to 3/4” in diameter before assembly.
- High lubrication for easy assembly. Excellent for Preventing rust and corrosion in extreme chemical Environmental conditions. Localized heat and hand tools are required to separate parts. Solvents will not weaken the adhesive bond.

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---

**MAGIC Cutting Fluid with EP-XTRA®**


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**FEATURES:**
- For drilling, tapping, milling - All cuts on all metals!
- NON-OZONE DEPLETING

**LIPLOCKER®**

**262° Thread locker**

High Strength / Red / Permanent

**FEATURES:**
- Applied to fasteners up to 3/4” in diameter before assembly.
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**LIPLOCKER®**

**262° Thread locker**

High Strength / Red / Permanent

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**SAWZIT®**

Pure Synthetic SAWING LUBRICANT

---
**29 Pc. 1/2" Drive Master Impact Socket Set**

The strongest impact socket line around. Sunex® impact sockets tackle the toughest jobs with a chrome molybdenum alloy steel grip that won’t let go.

**FEATURES:**
- CR-MO alloy steel for long life.
- Heavy molded storage tray.
- Protanium® has 20% more torque in use for tighter screws. Also it provides longer wear, and has sharper corners for extra grab.

**FULLY GUARANTEED!**

**SET INCLUDES:**
- Metric Sizes - 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 26, 27mm
- Deep Flip Sizes - 3/4" x 13/16" & 19 x 21mm

**10 Pc. 3/8" Drive Crowfoot Wrench Sets**

**FEATURES:**
- Speeds up removal or installation of hard-to-reach fasteners.
- Drop forged alloy steel.
- Heat treated and chrome plated.
- Works where a conventional socket can’t.

**SAE SET INCLUDES:**

Part No. 1-909-2575  Reg. Net Price $17.50

**METRIC SET INCLUDES:**
- Sizes - 10, 11, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24mm

Part No. 1-909-2580  Reg. Net Price $17.50

**TEKTON Click Torque Wrenches**

**1/4" Drive**
- Torque Range: 20-200" lbs.

Part No. 1-909-2432  Reg. Net Price $52.20

**1/2" Drive**
- Torque Range: 10-150 ft.-lbs.

Part No. 1-909-2455  Reg. Net Price $41.20

**3/8" Drive**
- Torque Range: 120-960 inch-lbs.

Part No. 1-909-2455  Reg. Net Price $41.20

**3K Over-Drive Ergonomic Series TORX® Screwdrivers**

**FEATURES:**
- Exact fit machine tips.
- Molded ergonomic handles.
- Hole in handle for hanging.
- Precision cut tip for full engagement.
- Smaller inside radius for tight spaces.
- Protanium® has 20% more torque in use for tighter screws. Also it provides longer wear, and has sharper corners for extra grab.

**Hex End L-Wrench Set**

**FEATURES:**
- Precision machined for ease of use and superior fit.
- Protanium® is a corrosion-resistant finish: Environmentally safe, provides better tool grip, resists solvents, and is 5x more corrosion resistant than competitor finishes.
- Chamfered tool tips eliminate burrs and help tools seat in screw head.
- Sharp corners transfer more torque to the screw and reduce stripping.

**22 Pc. Combo Inch/Metric Set**
- BLX-13 (.050" thru 3/8") & BLX-9 (1.5mm thru 10mm)

Part No. 1-927-22199  Reg. Net Price $17.54
POWER / AIR TOOLS

DREMEL® Engraver

INCLUDES:
• Engraver Tool
• Carbide Point (9924)
• Letter/Number Template

FEATURES:
• Engraves metal, glass, wood, plastic, and ceramics.
• Holding area allows for extended use.
• Soft grip adds extra comfort and control.

SPECIFICATIONS:
Voltage .................. 115 AC, 60 Hz Amperage .............. 1.5 Amps Stroke per Minute ............ 1/2

Model 290 Part No. 1-829-290 $24.30

Heat Gun Kit

FEATURES:
• Dual power settings.
• Powerful 1,500 watt motor.
• Built-in thermal protector prevents overheating.
• Ideal for paint, varnish, lacquer and label removal, thawing or drying, forming and welding plastics, softening caulking and putty, heat shrinking plastics, soldering pipes or loosening joints and screws.

Supplied with a carrying case.

SPECIFICATIONS:
Voltage .......... 110V, 1 PH, 60 Hz Motor ........ 1,500W/12.5 Amps Temp Settings ........ 346°F, 46°F Air Speeds .......... 13.2/19.5 CFM

Part No. 6-125-155 $29.90

Rear Exhaust Angle Air Die Grinder

FEATURES:
• Angle head is a full bearing construction & supports air motor.
• Independent power regulator and variable speed throttle.
• Supplied with a 1/4" collet.

SPECIFICATIONS:
Speed .................................. 20,000 RPM Average Air Consumption ......... 4 CFM Overall Length ................ 5-1/2 Tool Weight .................. 3/4 lb.

Baldor

Big Red

6" Grinder

FEATURES:
• Furnished with non-exhaust type wheel guards & eye shield.
• Base mounted on/off switch and 6' cord with plug.
• Stamp steel tool rests.
• Rubber mounting feet help minimize vibration.

INCLUDEDS (1 Each):
• 36 Grit Wheel (6" x 3/4" x 1/2"
• 60 Grit Wheel (6" x 3/4" x 1/2"

SPECIFICATIONS:
Speed .......... 3,600 RPM Motor ........ 1/3 HP, 115V, 1 PH, 60 Hz

Part No. 2-010-612R Reg. Net Price $408.00 $346.80

M18 FUEL™ 1/2" High Torque Impact Wrench With Friction Ring Kit

FEATURES:
• Built-in LED light illuminates work surface.
• POWERSTATE™ Brushless Motor: Outpowers competitors yet runs cooler with no wearable components.
• 1/2" Anvil with friction ring for fast, easy socket changes.
• REDLINK PLUS™ Intelligence: Allows the operator to choose between 2 fastening modes with Milwaukee’s proprietary DRIVE CONTROL™ feature. Mode 1 delivers up to 100 ft./lbs. maximum fastening torque, and Mode 2 up to 700 ft./lbs. maximum fastening torque.
• Superior Performance: Delivers up to 700 ft./lbs. of maximum fastening torque, up to 1,100 ft./lbs. of nut-busting torque and up to 2X more runtime.
• REDLITHIUM™ XC 5.0 Battery Pack: Provides superior pack construction, electronics and performance to deliver 2X more runtime.

SPECIFICATIONS:
Volts .................. 18V Torque ........ 1,100 ft./lbs. and 700 ft./lbs. Length .................. 9 Weight .................. 7.2 lbs.

Part No. 1-828-2763-22 Reg. Net Price $553.00 $470.05

Campbell Hausfeld

1/2" Impact Wrench

FEATURES:
• Soft grip adds increased comfort during extended use.
• Rocking dog type impact design good for DIY projects and general purpose applications like installing lug nuts & bolts.
• Delivers 250 ft./lbs. of torque to quickly remove and installing nuts and bolts.
• Push button forward/reverse switch allows for one-handed directional changes.

SPECIFICATIONS:
Speed ................. 6,000 RPM Average SCFM ........ 5 Air Inlet .......... 1/4" Bolt Capacity ............... 1/2" Drive Size ............. 1/2" Air Pressure .......... 90 PSI Tool Weight ............. 5 lbs.

INCLUDES:
• 1/2" Air Impact Wrench
• 1/4" NPT Inlet Plug

Model TL50020AV Part No. 6-399-200 $46.84

1/2" 20V MAX XR Lithium-Ion Brushless Premium Drill/Driver Kit

FEATURES:
• Heavy-duty with carbide inserts.
• LED light provides increased visibility in dark or confined spaces.
• Compact 7.9" size front-to-back length and fits tight areas.
• 3 Load Speed: 0-450/0-1,300/0-2,000 RPM.
• XR Li-ion batteries (2) with fuel gauge provide 33% more capacity over standard packs.
• DEWALT®-built high power, high efficiency brushless motor 650 UWO, max power for superior drilling & fastening applications.

Supplied with a kitbox.

Part No. 1-826-DCD990M2 Reg. Net Price $409.71 $348.25

DeWalt

Delivers 57% MORE run time than brushed motors.

NEW!

Call: 1-800-521-1740 Fax: 1-800-322-4292 Web: KBCTools.com

Power / Air Tools
SI-MWLNL R/L Indexable Bar

Boring Bar

Style L
- Negative 5° side and end cutting edge angle.
- For use with 80° negative trigon WNMG inserts.

R/L Indexable Toolholders

MDJN - Style J
- 3° side cutting edge angle.
- For use with negative 55° diamond DNMG inserts.

MTJN - Style J
- 3° side cutting edge angle.
- For use with negative trigon TNMG inserts.

MTVO-CN - Style V
- O.D. threading and shallow grooving.
- For use with triangular 60° V TNMA threading style inserts.

MTVO-A - Style V
- O.D. threading and shallow grooving.
- For use with triangular 60° V TNMA threading style inserts.

R/L Jet-Stream™ Indexable Toolholders

ADCLN - Style L
- Negative 5° end or side cutting edge angle for negative 80° diamond CNMG inserts.

ADDJN - Style J
- 3° side cutting edge angle for negative 80° diamond DNMG inserts.

ADTJN - Style J
- 3° side cutting edge angle for negative triangle TNMG inserts.

Vibratory Deburring & Finishing Machines

7-In-1 Heavy-Duty Interchangeable Live Center Sets

FEATURES:
- The rotating spindle is extended right through the tapered shank.
- Two adjustable needle-roller bearings carry all axial loads.
- A heavy duty ball thrust bearing takes all axial thrust.
- Complete protection of bearings provided by the built-in oil-seal, which also prevents loss of lubricant.
- Made in Czech Republic.

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**GET ONE TODAY!**

KBC Volume 52
Master Catalog
Over 860 Pages of our Best Products
PLUS thousands of New Items added!

To Request a Copy
Call 1-800-521-1740 or go to KBCTools.com

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**ATTN: PURCHASING DEPARTMENT**

**Jobbers Drills**
HIGH SPEED STEEL
118° POINT

Drills are designed to perform in a wide variety of normal conditions and in a broad range of materials in both machine and portable drilling.

**FRACTIONAL SIZES**

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**Kool Mist**
Formula 77 Mist or Flood Coolant

For Mist and Flood Cooling. Highly recommended where tougher machining conditions require greater lubricity, where material is very abrasive, or tool pressure is exceptionally great. 1 gallon makes 33 gallons.

1 Gallon in plastic bottle
Part No. 1-437-771
Reg. Net Price $44.00
SALE! $37.40

---

**Kool Mist**
General Purpose Models
w/ Stainless Steel Tanks

**FEATURES:**
- Completely portable.
- 4’ nylon braided coolant line.
- Output from each nozzle is regulated by a single knob on the control.
- Mist spray may be turned on or off instantly to coordinate with the cutting cycle, and the spray mix made lean or rich as needed.
- Tank Capacity: 1 Gallon
- No. of Outlets: 1

**Made in USA**

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**WEB:** KBCTools.com
**PHONE:** 1-800-521-1740
**FAX:** 1-800-322-4292